

CURRICULUM VITAE

March 2019

TONY D. PEARSE

663 Wilkes Road
Mayne Island, BC, V0N 2J0
Ph: 250-539-3015

AREAS OF EXPERTISE

Consulting resource planner since 1980 for First Nations and environmental non-governmental organizations in fields of land-based research, resource analysis, planning & policy development, including:

- environmental and community impact assessment and monitoring;
- review, research, and policy design for land use & resource development;
- traditional land use research, planning, mapping; and,
- Crown consultation, treaty negotiations, resource development agreements.

PROFESSIONAL PROFILE

- Degrees in Honours Geology (B.Sc. 1970) and Regional & Community Planning, (M.Sc., 1980) from University of British Columbia;
- Experienced in wide range of major project assessments, community planning and development activities emphasizing effective internal practices and external partnerships;

SUMMARIZED WORK EXPERIENCE

- 40 years of providing technical support to First Nation governments in land use planning, regulatory hearings, Crown consultation processes, and negotiations with development proponents;
- Focused consultative practice with First Nation governments dealing with environmental, land use planning and resource development issues in traditional territories;
- Conducted capacity assessments of First Nations communities for treaty negotiations, land and resource use decision-making through workshops and development of 'toolkits'.
- Served as a director 1997-2016 on the Independent Environmental Monitoring Agency established to provide independent oversight of the development of the Ekati diamond mine in Northwest Territories (Wek'eezhi).

IMPACT ASSESSMENT

[Detour Gold Mine, Ontario.](#)

2012-16. Technical Advisor to Moose Cree First Nation during regulatory permitting, construction and operational phases, closure planning.

[Prosperity Mine, BC.](#)

2010-13. Served as lead technical advisor to the Tsilh'qotin First Nation on two federal EA panels for both Prosperity mine and New Prosperity mine proposals.

[Western Copper Heap Leach, Yukon](#)

2008-2010. Served as technical advisor to Little Salmon Carmacks First Nation on environmental assessment, regulatory permitting, and negotiations with Yukon Government on Western Copper's proposed heap leach project.

[Tulsequah Chief Air Cushion Barge, Atlin](#)

2007-2009. Technical lead and advisor to Taku River Tlingit First Nation on joint federal-provincial environmental review of proposed transportation mode for restart of Tulsequah Chief mine.

[Ruby Creek Molybdenum Mine, Atlin, BC](#)

2004-2008. Technical lead and advisor to the Taku River Tlingit First Nation for Adanac Corporation's proposed Ruby Creek molybdenum project regarding:

- joint federal-provincial environmental assessment
- negotiation of accommodation measures between TRTFN and British Columbia

[Deltaport Third Berth, Roberts Bank](#)

2005-06. Technical advisor to the Pauquachin, Tsawout, Tsartlip and Semiahmoo First Nations (Sencot'en Alliance) for joint federal-

provincial environmental assessment of Vancouver Port Authority's container port expansion at Roberts Bank.

[Tulsequah Chief Mine, Atlin, BC](#)

1995-04. Technical lead and advisor to the Taku River Tlingit First Nation during the BC and federal environmental assessments of Redfern Resource's proposed Tulsequah Chief mine and access road in northwest BC.

[Orca Sand & Gravel, Port McNeil, BC](#)

2003-05. Technical advisor to Namgis First Nation for the joint provincial-federal environmental assessment of Polaris Minerals' aggregate quarry.

[Victor Diamond Project, Ontario](#)

2004. Technical advisor to Nishnawbe Aski Nations on environmental assessment of DeBeers' diamond mine near Attawapiskat, Ontario.

[Environmental Assessment Toolkit](#)

Developed a "toolkit" for BC for First Nations Environmental Assessment Technical Working Group for assisting aboriginal organizations in participating effectively in both federal and provincial environmental assessment processes.

[Snap Lake Diamond Mine, NWT](#)

2002-04. Technical lead and advisor to Dogrib Treaty 11 Council for environmental assessment of DeBeers Snap Lake diamond mining project.

[Vancouver Island Gas Plant](#)

2002-03. Technical lead and advisor to the Snuneymuxw First Nation on the environmental assessment of BC Hydro's proposed Duke Point gas turbine electricity generating project.

[GSX Submarine Gas Pipeline Crossing](#)

2002-03. Technical lead and advisor to the Sencot'en Alliance (Pauquachin, Semiahmoo, Tsartlip, and Tsawout First Nations) reviewing a proposed natural gas pipeline from Cherry Point, Washington, to Vancouver Island under a joint National Energy Board/Canadian Environmental Assessment Agency federal public review.

[Environmental Assessment Diavik Diamond Mine](#)

1998-99. Technical lead and advisor to the Dogrib Treaty 11 Council for environmental assessment of the proposed Diavik diamond mine.

[Environmental Assessment of Red Mountain Gold Mine, British Columbia](#)

1993-94. Technical advisor to Nisga'a Tribal Council for provincial environmental assessment of a proposed gold mine operation in Nisga'a territory, and for IBA negotiations with the proponent.

[Environmental Assessment of Newhawk Gold Mine](#)

1990. Technical advisor to the Nisga'a Tribal Council during a provincial environmental assessment of a proposed gold mine in Nisga'a territory.

[Environmental and Socio-economic Assessment Al-Pac Pulp Mill, Alberta](#)

1989. Prepared a technical submission and organized expert testimony on behalf of the Bigstone Cree First Nation for a presentation to the Joint Federal-Provincial Environmental Assessment Review public hearing on the proposed Alberta Pacific pulp mill.

[Impacts of Logging in Canada's Boreal Forests](#)

1989-90. Conducted a comprehensive evaluation of the state of Canada's boreal forest and the impacts of proposed accelerated industrial logging for Greenpeace Canada,

resulting in a 152-page report, "Cutting Down Canada", covering recent developments in the industry, the boreal ecology, environmental and socio-economic effects of timber harvesting, lack of public input, problems with corporate tenures, and potential implications of boreal deforestation for climate change and overall declining productivity of the forest base.

[Eagle Rock Quarry, Port Alberni](#)

2002. Served as technical reviewer to the Hupacasath First Nation for their project application and environmental report of a proposed aggregate quarry on Port Alberni Inlet.

[Port Alberni Gas Plant](#)

2001. Technical lead and advisor to the Hupacasath First Nation for the environmental assessment of BC Hydro's proposed Port Alberni gas turbine electricity generating project.

[Project Assessment Workshop](#)

1995. Prepared and delivered 2-day workshop to technicians and political leaders of Northern Tutchone Council on methods of evaluating industrial development proposals on Yukon First Nations lands.

[Environmental Assessment of United Keno Hill Silver Mine Re-opening, Yukon.](#)

1995. Technical lead and advisor to Nacho Nyak Dun First Nation in the federal environmental assessment of re-opening underground workings at Keno Hill silver mine in Yukon.

[Environmental Assessment of Dublin Gulch Gold Leaching Operation, Yukon.](#)

1995-96. Technical advisor to Nacho Nyak Dun First Nation in federal environmental assessment of a proposed cyanide heap-leach operation in the First Nation territory.

[Casino Trail Impact Study, Yukon](#)

1988. Co-director of a community impact study of the effects of a proposed mining access road in the traditional territories of Selkirk & Little Salmon Carmacks First Nations. Product was a 122-page report which describes the history and cultural change undergone by the Northern Tutchone First Nations of Pelly Crossing and Carmacks, the contemporary system of Tutchone land and resource use, potential impacts of the road, and recommendations for mitigating impacts.

[Socio-economic Impact Assessment of New Legislation & Formulation of Capital Plan](#)

1987. Conducted assessment of potential impacts of new federal legislation creating new members on band list for Kitselas First Nation. Work included preparation of capital budgets for 5-year and 20-year projections, and evaluated feasibility of a new community location for the first nation on one of its land holdings. Product was an 87-page planning report which examined growth of the band over the next 20 years, present and future needs for housing and community infrastructure, and land for expansion. Design guidelines and cost projections were generated for a new residential siting project at Kitselas Canyon.

[Environmental Assessment of Proposed Golden Bear Mine, British Columbia](#)

1989. Conducted assessment of the land use and cultural impacts of the proposed Golden Bear Gold Mine for the Taku River Tlingit. Produced 75-page report outlining the nature of potential development impacts to Tlingit community, to downstream fishery resources and to the land use patterns and economy of the First Nation.

[Community Impact Assessment of Railroad Twin Tracking, Skeena River, BC](#)

1987. Conducted comprehensive assessment for Gitwagak Band Council of past, present and future impacts of the Canadian National

Railway north line and proposed twin-tracking projects on the community of Gitwagak in northwest British Columbia.

[Offshore Oil & Gas Exploration Environmental Assessment, Haida Gwaii](#)

1985-86. Developed and managed the intervention of the Council of Haida Nation in the joint federal-provincial environmental panel review for proposed offshore oil and gas drilling in Hecate Strait. Responsibilities included coordination of expert witnesses and the preparation of technical material for submission to a public hearing.

[Environmental Assessment of Industrial Land Use, British Columbia](#)

1981. Co-director for cumulative impact assessment on the Kitsumkalum First Nation from a variety of present and proposed industrial developments and other land uses along Skeena and Kitsumkalum valleys.

[Regional Development Impact Assessment](#)

1981-82. Conducted regional impact assessment of resource development (past, present, and proposed) and land alienation for the Nisga'a Tribal Council in its traditional territory. The principal product was a map overlay package of some 40 maps (1:250,000 scale) depicting resource capability, regional development activity, and extent of affected areas.

[Environmental Assessment Uranium Mining](#)

1978-79. Served as project coordinator for Environmental Alliance Against Uranium Mining's intervention to the Royal Commission on Uranium Mining in British Columbia. Responsibilities included the identification of technical witnesses for presentation to the Inquiry, directing legal counsel, coordinating the intervention of the client groups before the Inquiry, developing and maintaining lines of communication among member organizations.

[Social Benefits Assessment of Mariculture](#)

1979. Co-directed study on behalf of BC Marine Resources Branch to evaluate benefits to the Penelakut First Nation of an oyster-farming operation designed to provide the Band with an alternative means of economic self-sufficiency.

[West Coast Oil Ports Inquiry](#)

1977-78. Served as coordinator and policy advisor to Kitimat Oil Coalition (22 B.C. environmental organizations) for technical and community hearings held by the West Coast Oil Ports Inquiry into the desirability of oil-port construction and tanker traffic on the west coast of Canada. Responsibilities included the identification of technical witnesses for presentation to the Inquiry, directing legal counsel, coordinating the intervention of the client groups before the Inquiry, developing and maintaining lines of communication among member community.

[Project Assessment Steel Mill, Kitimat](#)

1975-76. Project director for Northwest District Labour Council to research and formulate policy recommendations on the environmental and social impacts of a proposed integrated steel mill complex at Kitimat, BC.

[Royal Commission on Forest Resources](#)

1975-76. Project director for Northwest District Labour Council's intervention regarding long-term sustainability of the timber harvesting industry in northwestern B.C. to Royal Commission on Forest Resources.

[Marine Risk Assessment of Northern Gateway Pipeline Project.](#)

2010. Technical advisor to Coastal First Nations during initial environmental assessment of proposed Northern Gateway Project.

[Offshore Oil & Gas Exploration Project.](#)

1985-86. Technical advisor to Offshore Alliance of Aboriginal Nations in federal EA panel review of proposed offshore gas drilling in Hecate Strait.

LAND USE RESEARCH & PLANNING

[Land Use Planning Treaty Lands](#)

1999-01. Developed land use planning process for Nisga'a Lisims Government for Nisga'a Lands (approx. 2000 sq km) in the Nass Valley of northwest British Columbia, and served as advisor to the Nisga'a LUP team during implementation of the process.

[Land Use Planning Kitselas Reserves](#)

1987. Directed land use suitability and economic development study of Indian Reserves #1 and #4 for Kitselas First Nation. Project involved the preparation of a planned development concept for both reserves.

[Nisga'a Traditional Land Ownership Study](#)

1982-84. Lead technical advisor for 2 year documentation of the traditional system of land ownership and resource management for Nisga'a Tribal Council. Project included direction of Nisga'a field research teams, processing of geographic information including computer storage & retrieval, cartographics and map reproduction. The project employed community-based research teams to conduct interviews in Nisga'a language of some 150 historians (chiefs and elders). Eight volumes of information were generated. All geographic, territorial and resource use information was computerized and mapped @ 1:50,000 scale. Workshops in interviewing, mapping techniques, orthography, etc. were held throughout the project as needed. Elders' conferences were organized to facilitate communication and discuss key issues of the project (eg. tribal overlaps; traditional laws, etc.). All field trips, workshops, conferences, etc. were recorded on audio tape

Narrative Description of Professional Work by Category

and video. Archival research throughout North America and England was conducted. Material included original unpublished manuscripts, maps, texts, microfilm, etc. which was assembled and categorized for future Nisga'a use.

[Taku River Tlingit Land Use Plan](#)

2008-09. Member of technical team assisting the Taku River Tlingit First Nation in preparing a traditional territory land use plan.

[Stikine Basin Resource Analysis](#)

1981-82. Team leader on the design and first phase field work of a 3-year integrated resource analysis and regional plan for a 50,000 square mile river basin in northwestern British Columbia for the Association of United Tahltans.

[Indian Reserve Planning, Hazelton District](#)

1980. Team leader for collection and cataloguing of all relevant planning materials and information on behalf of Department of Indian Affairs & Gitksan Carrier Tribal Council to construct data base for future reserve planning in the Hazelton District.

[Integrated Land Use Study Kitsumkalum](#)

1980. Team leader on planning study for Kitsumkalum First Nation to identify suitable land use options for three reserves near Terrace, B.C. This work led to the renegotiation of resource royalties to the First Nation from CNR quarry operation.

[Integrated Land Use Planning Skumlasph Island, Chilliwack](#)

1979. Co-directed analysis of land capability and economic development opportunities of Skumlasph Island on the Fraser River for Sto:lo 5 Bands.

[Integrated Land Use Planning - Canim Lake](#)

1979. Co-directed for Canim Lake First Nation an evaluation of lands and resources adjacent

to the Canim Lake Reserve for preparation of an integrated land use plan focused on timber production, tourism and agriculture.

REGULATORY PROCEEDINGS

[Licensing Ruby Creek Molybdenum Mine](#)

2008. Technical advisor to Taku River Tlingit First Nation for regulatory permitting of Ruby Creek mine.

[Licensing Snap Lake Diamond Mine](#)

2002-04. Technical lead and advisor to Dogrib Treaty 11 Council for water licensing of DeBeers Snap Lake diamond mining project.

[Licensing Diavik Diamond Mine, Northwest Territories](#)

1999-2000. Technical lead and advisor to the Dogrib Treaty 11 Council during licensing of Rio Tinto's Diavik diamond mine on Lac de Gras.

[Licensing Ekati Diamond Mine](#)

1996. Technical lead and advisor to the Dogrib Treaty 11 Council for licensing hearings of BHP's Ekati diamond mine.

[Mine & Transportation Permitting, Tulsequah Chief Mine, BC.](#)

2010-15. Technical advisor to Taku River Tlingit First Nation during review and permitting of mine restart & proposed access modes.

TREATY NEGOTIATIONS

[Nisga'a Comprehensive Land Claim Agreement](#)

1989-99. Ten-year member of Nisga'a Tribal Council negotiating team at tripartite comprehensive claim negotiations. Lead technical advisor on land and resource components of treaty with special emphasis on

Narrative Description of Professional Work by Category

land selection, subsurface resources, wildlife resources, and environmental assessment and protection.

[Evaluation of Treaty Negotiations Preparedness](#)

1989. Conducted review of status of the Taku River Tlingit First Nation readiness for treaty negotiations, including assessment of needs of the First Nation for negotiating and land management purposes.

[Land Use Negotiations](#)

2011-12. Technical advisor to Taku River Tlingit First Nation on negotiations with BC and Canada over land use in TRT traditional territory.

[Land Treaty Research & Planning](#)

1986. Conducted extensive consultation, field mapping and aural history research for Nisga'a Tribal Council focused on resolving territorial overlaps between the client and neighbouring tribal jurisdictions.

[Treaty Research](#)

1986. Conducted research and prepared large-scale map for Gitksan Wet'suwet'en Tribal Council of the traditional territory depicting land allocation and annual resource production for timber, minerals, and fish.

MINE CLOSURE PLANNING

[Ekati Diamond Mine](#)

2002-2017. Participated in review of BHPB-Billiton closure plan development as member of the Independent Environmental Monitoring Agency.

[Diavik Diamond Mine](#)

2002-2016. Participated in Diavik closure plan development as Tlicho advisor to Wek'eezhi Land and Water Board Working Group.

[Pinchi Lake Mercury Mine](#)

2007-2018. Technical advisor to Tl'atzen and Nak'azdli First Nations team in development and implementation of Teck Resource's closure plan for the Pinchi Lake mercury mine.

[Colomac Mine Remediation, Northwest Territories](#)

1998-05. Technical advisor to Tlicho Government on co-management team overseeing reclamation and closure of Colomac gold mine.

[Faro Mine Closure, Yukon](#)

2011. Served as technical advisor to Selkirk First Nation on closure plan development for Faro mine.

PLANNING & POLICY ANALYSIS

[Planning & Policy Formulation for Treaty Negotiations](#)

1989-97. Lead technical advisor for Nisga'a Tribal Council on policy development & planning for all land and resource issues, economic development, taxation, and compensation. Responsibilities included supervision of computerized GIS and satellite image analysis system.

[Mineral Policy Development](#)

1996. Developed policy framework for the disposition of mineral rights by the Selkirk First Nation Government on its treaty lands.

[Environmental Assessment Policy Development](#)

1997. Developed policy framework for environmental review of proposed projects for the Nacho Nyak Dun First Nation on its treaty lands.

Narrative Description of Professional Work by Category

[Land Selection, Wildlife Management, Policy Development, Yukon](#)

1988-89. Technical advisor to Selkirk First Nation on assorted mapping, planning and research for all aspects of land and resource matters related to negotiating interim protection and a final land treaty settlement with Yukon and federal governments.

[Wildlife Management Policy Development, Yukon & British Columbia](#)

1988. Technical advisor to the Dax Kax Tlingit Nation tribal council on policy development and planning for wildlife management in the traditional territories of the Inland Tlingit people in northwest British Columbia and Yukon.

[Policy Analysis of Kemano Settlement Agreement](#)

1986. Conducted historical update of Alcan's Kemano project, and assessed the implications of the recent agreement between the company and the Governments of British Columbia and Canada for the Rivers Defense Coalition.

[Policy Formulation Coastal Zone Development](#)

1985-86. Assignment involved on-going policy advice to member groups of Offshore Alliance of Aboriginal Nations on all matters pertaining to resource development impacts offshore on the eastern Pacific. Responsibilities also included the design of further research and policy development projects related to offshore oil and gas development, aquaculture and foreshore leasing, and other questions related to the jurisdiction and allocation of marine and coastal resources.

[Coastal Zone Management Conference](#)

1986. Organized and managed major conference on coastal zone management and resource development impacts for Offshore Alliance of Aboriginal Nations with some 80 first nation governments on the eastern Pacific

coast attending, including Alaska, British Columbia, and Washington.

[Planning for Tribal Self-Government](#)

1984-85. Conducted planning and preparation for Kwakiutl District Council of a resource manual for use by Kwakiutl planners in implementing a land treaty research program.

[Regional Planning Northwest BC](#)

1975. Served as assistant planner to Bulkley-Nechako Regional District. Responsibilities included coordination of regional development plans and technical assessment of lands proposed as exclusions to British Columbia's Agricultural Land Reserve.

[Policy & Procedures re Environmental Impacts of Mineral Exploration & Mining for BC First Nations.](#)

2015-16. Technical advisor to BC First Nations Environmental Mining Council in support of First Nations dealing with proposed & existing mineral exploration and development in their traditional territories.