

# T Craig Ventures Ltd

*Tyson Craig, P. Eng.*

P.O. Box 1791 Port McNeill, BC V0N 2R0

Phone: (250) 202-6184

Email: [tcraigventures@gmail.com](mailto:tcraigventures@gmail.com)

---

## Work Experience

---

### **Project Management/Construction Supervision (Neucel Project)** June 2021 – Present

Currently providing project management, construction supervision, engineering advice and environmental services for Integrum Recovery and Salvage on the Neucel Pulp mill reclamation site. Working with the client (Price Waterhouse Cooper - PWC) to complete various projects around the mill site and aiding in solving issues as they arise are also part of the scope of work. Other duties include, cost estimations, budget proposals for work, liaising with First Nations representatives, updating PWC on project progress and Integrum crew support daily with works being completed. Some projects completed include 300m of subsurface drainage ditch installed along the Northern edge of the Main landfill meeting design, 150m of remaining leachate toe drain installation meeting design, 200m of failing crib wall replacement with armoring inside of an Asbestos Hazardous area meeting design and all safety standards and construction of contaminated water holding ponds to design specifications, to name a few.

### **Environmental Inspector (CGL Pipeline)**

September 2018 – October 2020

Provided environmental inspection services for TC Energy on the Coastal Gas Link (CGL) pipeline. Initial walk of Pipeline proposed route identifying constructability issues, sensitive features, environmental constraints began the contract work with TC Energy. Upon project funding and commencement of works, the daily duties included reviewing proposed construction plans and schedule with respect to regulatory commitments within the approved plans and provisions as listed by the BC Oil & Gas commission and the Ministry of Environment. Other daily duties included but were not limited to inspections of all work fronts to ensure environmental compliance with regulations, designs and best practices. Overseeing the Prime contractors work onsite, with respect to environmental impacts, was the primary role helping to ensure that the project commitments and CEMP were adhered to. Liaising with First Nation community members, daily consultation with First Nation on-site Monitors, attending production meetings, perform pre-walk through checklists and daily reporting encompassed most of the daily work requirements.

### **Project Management/Construction Supervision**

November 2014 – August 2018

Provided project management/construction supervision/engineering services within the resource sector. This includes RMZ and RMA layout, detailed inspections, surveying sites for replacement or installation of crossings using a total station and overseeing/supervising the construction of new crossings. Supervising general construction to meet design requirements and ensuring that all current regulations and best practices are utilized during construction while adhering to safety, the design requirements and specifications. Environmental mitigation, monitoring and specialized construction methods were critical to completing a successful project. Liaising with clients, other consultants, road users, and general public during projects is an essential part of completing the work successfully as well.

---

---

## **Project Engineer/Construction Monitor**

*Brookfield Renewable Energy*

March 2013 – November 2014

Employed as an owner representative, reporting directly to the project manager, during the construction phase of the project. The primary role was to monitor the contractor to ensure safety, environment, quality and design objectives were met and adhered to for all phases of the power development. The project consisted of an intake structure supplying water through 9.2km of 2.72m diameter penstock pipe, to 4 turbines totaling 45 megawatts. Main responsibilities with this role was to report daily progress and design/construction/as-built discrepancies to the project manager, monitor safety/environment/quality, working with the environmental monitors to establish RMA areas on each creek crossing and specialized construction methods within the riparian area, submit weekly reports, attend daily/weekly meetings, liaise with local timber companies and local first nations, and to answer any questions the contractor may have during the day with regards to owner requirements. The greatest challenges were ensuring environmental, safety and quality requirements were adhered to. Given the nature of the contractual agreement and the opportunities available for “cutting corners” by the contractor, ensuring a high standard of construction was a continual daily focus for my role.

Once the Kokish project achieved final completion, repair works on the Hystad Dam project in Valemount BC commenced. The works involved repairing the liner on the head pond banks, installing 2 piezometer wells and increase the downstream armoring of the weir. Since the vast majority of the works were completed inside the riparian area of the creek, the environmental controls, monitoring and mitigation took precedent throughout the project as the works had a direct impact on downstream fish habitat values. The main responsibilities were to ensure all documentation was in place, approvals obtained, financials obtained, notifications to agencies completed, prime contractor selection, proposal review/approval and onsite supervision directing the prime contractor on a “Time and Materials” based contract.

## **Project Engineer**

*Stoncroft Project Engineering, Black Creek, BC, Canada*

April 2012 – February 2013

Completed all necessary tasks associated with the Cape Scott Wind Farm contract for the survey and design of bridges and major culverts. Final review and engineering approval of all roads, at design phase prior to construction, were also part of this contract. The crossings were surveyed using a total station and AutoCAD was used for the design. Balancing the many values associated with each crossing, such as biology, riparian management and hydrology, was key in determining the right structures for each crossing. Managed the contract for the engineering sign off/approval for numerous structures built over the summer, by multiple construction contractors, for the clients. This involved ensuring the construction practices utilized adhered to current environmental standards, engineering legislation and design, while problem solving minor issues during the construction phase, as conditions warranted. Other duties performed included, bridge inspections of many short span structures and large diameter culverts, inspection of “A” frame logging structures including working forces and other small engineer tasks.

## **Superintendent**

*Peter Kiewit Infrastructure, Vancouver, BC, Canada*

May 2009 – Nov 2011

Supervised the construction of transmission lines on two projects, which encompassed all aspects of following design drawings, road building including bridges and drainage, procurement

---

---

of all required materials, surveying, quality control, scheduling, production, contract negotiations, contract writing, work plan creation, and keeping up with current legislation for both forest practices and engineering requirements. Contract management of the prime contractor to complete the work on schedule and on budget was a daily goal. Safety, quality, environmental monitoring and documentation was the primary focus throughout each day. As the construction of the transmission line crossed many environmental features, identification of the riparian management areas and associated specialized construction methods was paramount in mitigating the downstream impacts to many high valued habitat areas and a successful project completion.

Cost reports and forecasting to ensure budgets were met, daily tailgate meetings, and working with multiple departments were also daily tasks. Estimating road building, right of way clearing, earthworks, concrete works, clearing and grubbing, crushing operations, processing plans, scheduling equipment and man hours, organizing past costs, steel works, rebar installation, and general project scheduling were just a few of the tasks involved with estimating potential future works for the company. Estimated costing for a 400m access bridge and the civil earthworks components, while part of the estimating team, for Point Dubois Dam replacement project with Manitoba Hydro. The riparian constraints and environmental mitigation procedures was the main focus when estimating the cost for the works.

**Municipal Engineering Technical Officer**  
*Shire of Derby/West Kimberley, Derby, WA, Australia*

Jan 2008 – Sep 2008

Developed work plans and managed town works crews (up to 16 people) for roads, parks and gardens maintenance as well as reviewing completed work. Implemented a safety-oriented attitude and new work ethic within the town crew. Inspected roads, sidewalks, drainage lines, parks, and road side furniture. Inspected subdivision developments for compliance with engineered drawings. Prepared contracts and supervised road works for all sealed and unsealed roads. Inspected roads and planned long term road maintenance and upgrades. Conducted site surveys with Total Stations and designed engineered drawings in AutoCAD for drains, ford crossings and roads. Wrote government grant applications for road improvement funding. Managed a budget of approximately 3 million dollars associated with town infrastructure works. Created and implemented a road management system, tracking road inspections and works. Liaised with government bodies and aboriginal groups. Member of 'Municipal Work Safety' committee and 'Roads and Future Works' committee.

**District Road Engineer**

*Department of Sustainability and Environment, Alexandra, Vic, Australia*

Sep 2005 – Dec 2007

Inspected 400 bridges (wooden, concrete and steel up to 15 m) annually. Inspected 2000 km of gravel roads for grade, roughness, drainage, culvert location, sight lines and maintenance needs. Prepared contracts and supervised road works (grading, road realignments, road upgrades, new road construction, quarries and rock borrow pits), bridge construction (wood, concrete and steel) and retaining walls (rock gabions, steel I-beams and rock). Bridge site plans and surveys. Designed box culverts and arch culverts to meet environmental requirements for riparian areas and specific vehicle requirements. Developed and implemented bridge inspection and road inspection program. General stability assessments on creek gullies, riparian areas and road alignments. Assisted with the creation and implementation of an asset management program. Aided in implementing ISO 14001 and conducted internal audits. Promoted safe work practices and conducted site safety surveys at job sites. Liaised with Department of Fisheries and Department of Environment as well as local aboriginal groups and private logging

---

---

companies. Established property boundaries and legal lines. Quarry management of maintaining standard bench heights, embankment slope, environmental impact mitigation and long-term use. Australian certified firefighter which included crew supervision, machine supervision and general firefighting duties.

### **Forest Engineering Field Planner**

Mar 2001– Sep 2005

*Weyerhaeuser Canada Ltd. / Cascadia Forest Products, Port McNeil, BC*

Aided in achieving harvest objectives through annual harvest plans, five-year development plans, land use planning, wildlife management (defined wintering areas), riparian management areas, road permit applications, cutting permit analysis, silviculture prescriptions, ensuring block layout is complete, and field quality checks. Contract supervision of various operations such as Road Construction, tree planting, brushing, stream cleaning, logging contractors, value added projects (Yew bark salvage) and daily supervision of layout crews. Silviculture Prescription data collection with RPF, Terrain stability data collection with P. Geo, block layout, bridge construction and installation, road maintenance plans and supervision, road deactivation plans and supervision and various other silviculture and operations projects. Liaised and consulted with First Nations and Ministry of Forests. Experience using ArcView, RoadEng, excel and other applications. Contributed to maintaining an excellent safety record, working towards safety goals, and helping to implement various safety programs.

### **Forestry Layout Crew (Contractor)**

May 2000- Feb 2001

*Weyerhaeuser Canada Ltd. / Cascadia Forest Products, Port McNeil, BC*

## **Education**

---

### **Bachelor of Science, Forest Engineering**

2000

*University of New Brunswick, Fredericton, NB*

## **Certifications/Skills**

---

Professional Engineer with APEGBC

Class 5 Drivers License

Boating: Pleasure Craft Operator Card

Small Vessel Operator Proficiency (SVOP Certification)

Restricted Radio Operator Certificate

OFA Level 1 First Aid with AED/CPR/Transport endorsement

Marine Basic First Aid Certificate

Trained in Forest Fire Fighting / Professional forest fire fighter for 2 seasons in Australia

## **Memberships**

---

Professional Engineer with the Association of Professional Engineers and Geoscientists of BC.

APEGBC License # 37712

APEGBC Member ID # 134267

*\*References available upon request.*

---