

Case Study

Restoring Basin Capacity with Automated Dredging & Dewatering for Major Pulp & Paper Producer

CLIENT NAME: Major Pulp & Paper Facility – British Columbia
DATE COMPLETED: September 2025
PROJECT LEAD: Brett Campbell, Cut Point Fluid Management Ltd.

THE CHALLENGE

A leading pulp and paper producer in British Columbia was facing reduced efficiency at one of its water filtration plant settling basins due to years of sediment buildup. The client required a solution to restore basin capacity without disrupting plant operations, while maintaining strict environmental and safety standards.

THE SOLUTION

Cut Point Fluid Management deployed a **fully electric, unmanned dredge** to hydraulically remove accumulated solids and transfer the slurry to a **nearby centrifuge dewatering system**.

Our integrated process included:

- **Shaker tank pre-screening** for primary material classification.
- **Polymer conditioning** to optimize solids separation.
- **Dual high-capacity centrifuges** for mechanical dewatering.
- **Clarified effluent return** directly to the basin to conserve resources.
- **Dewatered solids management** via transport to an approved on-site landfill.

This automated and closed-loop approach minimized site impact, enhanced operator safety, and eliminated the need for draining or isolating the basin.

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THE RESULTS

- **1,300+ m³ of dewatered sediment** safely removed and disposed of in just 14 days of 24 hr operation.
- Achieved **27–30% solids dryness**, reducing disposal volumes and costs.
- **Completed on time and within budget.**
- **Full basin capacity restored**, improving plant performance and process efficiency.
- **No disruption** to ongoing mill operations.

THE OUTCOME

This project demonstrates the power of Cut Point's advanced dredging and dewatering solutions for industrial applications—delivering measurable cost savings, environmental responsibility, and operational continuity.

Cut Point's team continues to support clients across Western Canada with **turnkey sediment management systems** designed to maximize efficiency and minimize downtime.

FOR MORE INFORMATION, PLEASE CONTACT:
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BENEFITS TO THE CLIENT

- Electric, unmanned dredging *improved site safety and reduced emissions.*
- Efficient centrifuge dewatering *cut hauling and disposal costs.*
- Real-time production tracking *ensured transparency and regulatory compliance.*

