Maren Leduc Okafor

Environmental Scientist · Water Quality and Site Assessment

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Summary

Environmental scientist supporting catchment monitoring and contaminated site assessment. Checks whether field and laboratory evidence supports a conclusion. Explains uncertainty and follow-up needs to clients, reviewers and field teams.

Skills

Water quality monitoring · Data validation · Conceptual site models · Technical reporting

Projects

Tidal creek baseline assessment

2025

Compared conditions at 16 sampling stations over four rounds. Separated tidal variation from repeat exceedances and proposed two targeted follow-up locations for review.

Experience

Environmental Scientist

Alder Narrows Environmental | 2021-05 – Present

- Managed sampling records and laboratory validation for quarterly water quality reporting. Qualified results where blanks or duplicates limited interpretation.
- Reduced follow-up queries from 13 to 4 across successive 60-result reviews by logging method changes and sample exceptions before analysis.
- Drafted site assessment findings and used a conceptual site model to explain where additional evidence was needed before a land-use recommendation.

Environmental Field Scientist

Harbour Fen Assessments | 2018-07 – 2021-04

- Collected surface water and sediment samples and maintained chain-of-custody records. Flagged inaccessible locations before altering the sample plan.
- Prepared field records and sampling maps for the technical reviewer. Kept observations and laboratory conclusions distinct.

Languages

English · French

Education

MSc Environmental Science

Bay Alder University | 2018