

TORIN KELLY, RPBio

Maple Ridge, BC V2X 2V4 | 778-772-0433 | Torinrkelly@gmail.com | [Portfolio](#)

PROFESSIONAL SUMMARY

Registered Professional Biologist with 10 years of experience in invasive species management, ecological field assessment, and regulatory-aligned environmental program delivery across British Columbia. Brings applied expertise in vegetation community assessment, riparian and wetland characterization, RAPR-informed setback evaluation, and compliance auditing across industrial, utility, and resource contexts. Experienced designing and leading multi-partner field programs, authoring technical deliverables, and building training curricula for diverse practitioner audiences. Proven ability to translate complex legislative requirements into clear field guidance and communicate science-based recommendations.

CORE COMPETENCIES

- Invasive species survey, risk assessment, and management
- Wetland delineation with soil and hydrologic indicators
- Riparian setback interpretation under RAPR framework
- Vegetation community assessment and BEC classification
- Field staff coordination and instruction

REGULATORY KNOWLEDGE

- Fisheries Act
- Water Sustainability Act
- Riparian Areas Protection Regulation
- Wildlife Act
- Species at Risk Act
- Integrated Pest Management Act

SPATIAL & TECHNICAL TOOLS

- ArcGIS Pro & QGIS
- Field Maps
- Survey123
- Microsoft 365 Suite
- RStudio
- UAV-based vegetation identification

EXPERIENCE

Lead, Special Projects | 2022 to Current

Invasive Species Council of BC | Maple Ridge, BC

- Conducted invasive plant surveys, biocontrol assessments, and habitat suitability analyses at active industrial facilities and naturalized sites across BC, integrating species-specific habitat requirements, site disturbance history, and produce risk-stratified technical reports for clients.
- Designed and led provincial invasive species management programs from initial scoping through multi-year delivery, coordinating contractors, funding partners, and technical advisory committees across concurrent initiatives; led and coordinated over \$1 million in combined project funding across management, restoration, and applied research.
- Reviewed invasive species management and mitigation plans submitted by contractors and land managers, identifying legislative gaps and required amendments to ensure alignment with the Weed Control Act, IPM Act, and site-specific environmental protection conditions.
- Conducted approximately 10 contractor audits across provincial gravel pits and treatment sites, including quarterly compliance inspections to verify adherence to approved environmental management plans, mitigation measures, and pesticide application conditions including watercourse setbacks under the Pesticide Control Products Act.
- Authored technical reports, invasive species risk assessments, habitat suitability analyses, and best management practices documents for industrial and utility clients, synthesizing baseline ecological data, regulatory context, and site-specific mitigation strategies.
- Designed and led a multi-year applied research trial evaluating targeted goat grazing as an alternative ROW vegetation management method for a major pipeline operator; conducted statistical analysis of species-level biomass data across treatment and control plots, demonstrating statistically significant invasive biomass reduction in year two.
- Developed process improvement recommendations for industrial soil handling and thermal treatment operations to reduce invasive species transfer risk, identifying containment gaps across

transport, offloading, and post-treatment stages and recommending monitoring, screening, and enclosure protocols.

- Led multi-jurisdictional coordination across provincial ministries, First Nations governments, local authorities, and academic partners to align environmental objectives, regulatory requirements, and management priorities across concurrent regional programs.

Lead, Training & Education | 2023 to Current

- Design and develop invasive species management training curricula for multi-audience delivery, including field guides, best management practices documents, and practitioner handbooks.
- Deliver 20+ workshops, webinars, and field-based training events reaching 700+ participants, including field technicians, First Nations land stewards, municipal bylaw officers, and resource managers; adapt content depth and format to audience background and operational context.

Field Operations Coordinator | 2018 to 2022

- Conducted environmental site assessments across 30+ gravel pits, Wildlife Management Areas, and municipal park sites throughout the Lower Mainland and Cariboo regions, evaluating habitat sensitivity and statutory constraints.
- Conducted routine site inspections and documented environmental conditions, mitigation measures, and treatment outcomes to support compliance verification and reporting.
- Performed vegetation, benthic invertebrate, and nest surveys to inform site-level environmental management decisions and evaluate ecological conditions pre- and post-treatment.
- Coordinated with BC Parks, Metro Vancouver, and municipal partners to align field operations with environmental requirements and stewardship objectives.

Restoration Technician | 2016 to 2018

Green Admiral Nature Restoration | Lower Mainland, BC

- Implemented invasive species removal and native planting projects for municipalities and BC Parks in accordance with site-specific environmental requirements.
- Conducted vegetation surveys and documented site conditions to inform restoration planning and monitoring efforts.

LEADERSHIP & VOLUNTEER EXPERIENCE

Environment & Climate Change Advisory Committee Member | 2024 to Present

City of Maple Ridge | Maple Ridge, BC

- Provide technical review and written comment on Official Community Plan amendments and development permit applications, with a focus on riparian protection, green space continuity, and natural asset resilience.

Board Member | 2025 to Present

Kanaka Education & Environmental Partnership Society | Maple Ridge, BC

CERTIFICATIONS

- Registered Professional Biologist (5179) - College of Applied Biology
- Riparian Areas Protection Regulation (RAPR) Methods – Vancouver Island University
- Pesticide Applicator License (242518) - Ministry of Environment
- Project Management Essentials - Eco Canada

EDUCATION

Bachelor of Science in Ecological Restoration | 2022

British Columbia Institute of Technology | Burnaby, BC

Diploma in Forest & Natural Areas Management | 2018

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