

**SUMMARY OF BACKGROUND DATA AVAILABLE FOR
TOD CREEK, TOD INLET AND CRD BIOSOLIDS**

July 2023

| Group | Areas / Median Monitored | Years Monitored | Conventional Parameters | Additional parameters | High Resolution / Organic |
|--|--|------------------|--|--|---|
| Proposed Analytical Work | | | | | |
| Proposed Raincoast Conservation Foundation Project | TBD | - | DO*, coliforms*, nutrients*, pH*, conductivity*, temperature* | Metals* | PAH*, PPCP*, pesticides*, PFAS*, sucralose, 6-PPD quinone, alkylphenol ethoxylates, microplastics |
| Current and Historical Analytical Work | | | | | |
| CRD Stormwater Monitoring Program | Mouth of Tod Creek (surface water) | 1998-present | DO, <i>E. coli</i> , nutrients, pH conductivity, temperature, turbidity | | |
| CRD Stormwater Monitoring Program | Mouth of Tod Creek (sediment) | 2000-present | | Metals, TOC | PAH |
| CRD Stormwater Monitoring Program | 5 locations in watershed (surface water) | 2017 | DO, <i>E. coli</i> , nutrients, pH, conductivity, temperature, turbidity | Metals, TSS, TOC, benthic invertebrates (1 location) | |
| CRD Stormwater Monitoring Program | Tod Inlet – 3 locations (sediment) | 2018 | | Metals, TOC | PAH |
| CRD GeoEnvironmental Monitoring Program | Landfill (groundwater) | 1980's-present | Nutrients, pH, conductivity, pH, sulphate, chloride, temperature | Metals | PFAS, 1,4 Dioxin, EE2, DIPA permethrin, PFBS, Nonylphenols and Ethoxylates, Sulfolane |
| CRD GeoEnvironmental Monitoring Program | Various locations in watershed (surface water) | 1980's - present | nutrients, pH, organic carbon, conductivity, temperature | Metals, TSS, sulphate, chloride | PPCP |

Appendix A
Summary of Background Data Available for Tod Creek, Tod Inlet and CRD Biosolids

| Group | Areas / Median Monitored | Years Monitored | Conventional Parameters | Additional parameters | High Resolution / Organic |
|---|--|------------------------|---|---|---|
| CRD GeoEnvironmental Monitoring Program | Landfill (leachate) | 1980's-present | DO, coliforms nutrients, pH, conductivity, BOD/COD, temperature | Metals, TSS, chloride, oil and grease, sulphate sulphide, ORP | PFAS, 1,4 Dioxin, EE2, DIPA permethrin, PFBS, Nonylphenols and Ethoxylates, Sulfolane |
| CRD Core Area Biosolids Monitoring Program | Residuals Treatment Facility (biosolids) | 2021-2022 | Coliforms, pH | Metals | PAH, PFAS, PPCP, Volatile / Semi-Volatile Organic Compounds, PBDE, PCB, Dioxins, Pesticides |
| Friends of Tod Creek Community Group | 8 locations in watershed (surface water) | 2017 - present | DO, pH, conductivity, temperature turbidity, water height | | |
| SeaChange/ Peninsula Streams Community Groups | Tod Inlet (marine sediment) | ~2011 | | Metals | PAH, PCB, Dioxins/Furans |

Notes:

* = parameters already monitored in some aspect within Tod Creek watershed

DO = dissolved oxygen

Nutrients: nitrate, total phosphorus and/or ortho-phosphate

PAH = polycyclic aromatic hydrocarbons

TOC/DOC = total organic carbon/dissolved organic carbon

TSS = total suspended solids

ORP = oxidation reduction potential

PFAS = Perfluoro-alkyl substances

PFBS = Perfluorobutanesulfonic acid

PPCP = Pharmaceuticals and personal care products

DIPA = Diisopropanolamine

EE2 = 17 α -ethynylestradiol