



KERR WOOD LEIDAL
consulting engineers

Appendix D

Desktop and Field Drainage Review



Appendix D – Background Information and Review

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Appendix D – Background Information and Review

D. Information Review

The available background data, reports and GIS layers provided by the City of Courtenay (City) were reviewed and are listed in Table D-1 below.

The review of existing conditions and data included an initial summary of the watershed characteristics and a review of existing bylaws and criteria to manage stormwater and drainage. Key drainage issues and environmental concerns were obtained from background documents and initial stakeholder input. These pertained to undersized drainage infrastructure, impacts of recent and future development and the need for protection of fisheries and other environmental values. These issues were reviewed and considered during the work on the IRMP.

Table D-1: Background Reports and Data

Background Reports and Data	
Reports	
Courtenay IRMP Memo Phase 1: Preliminary Trunk System Performance Assessment and 5 Year Capital Program (Urban Systems)	2019
Courtenay IRMP Phase 2 Report (Urban Systems)	2020
City of Courtenay Culvert Inspection Reports	2022
Crown Isle Drainage System Optimization Study (Koers)	2018
Comox Hospital Stormwater Management Plan (Stantec)	2016
Data	
City of Courtenay Design Rainfall Data (in City of Courtenay Subdivision and Development Servicing Bylaw No. 2919 – 2018)	2018
City of Courtenay Subdivision and Development Servicing Bylaw No. 2919 – 2018	2018
City of Courtenay Official Community Plan Bylaw No. 3070 – 2022	2022
City of Courtenay Weather Station Rainfall Monitoring Data (November 2021 to March 2022)	2022
City of Courtenay Flow Monitoring Data (2021 to 2022)	2022
City of Courtenay Flow Monitoring Data (2018 to 2019)	2019
City of Courtenay Detention Ponds/Facilities As-Builts	Varies
City of Courtenay Various Developments, Roads and Culverts As-Builts	Varies
GIS Data	
City of Courtenay Stormwater Drainage System	2022
City of Courtenay Digital Base Mapping (road, water course, zoning, drainage)	2022
City of Courtenay Orthophoto, Elevation Contours and Surficial Geology mapping	2022
City of Courtenay Official Community Plan Bylaw No. 3070 – 2022	2022