

RIVERVALE WATER AND STREETLIGHT UTILITY

WATER CONSERVATION

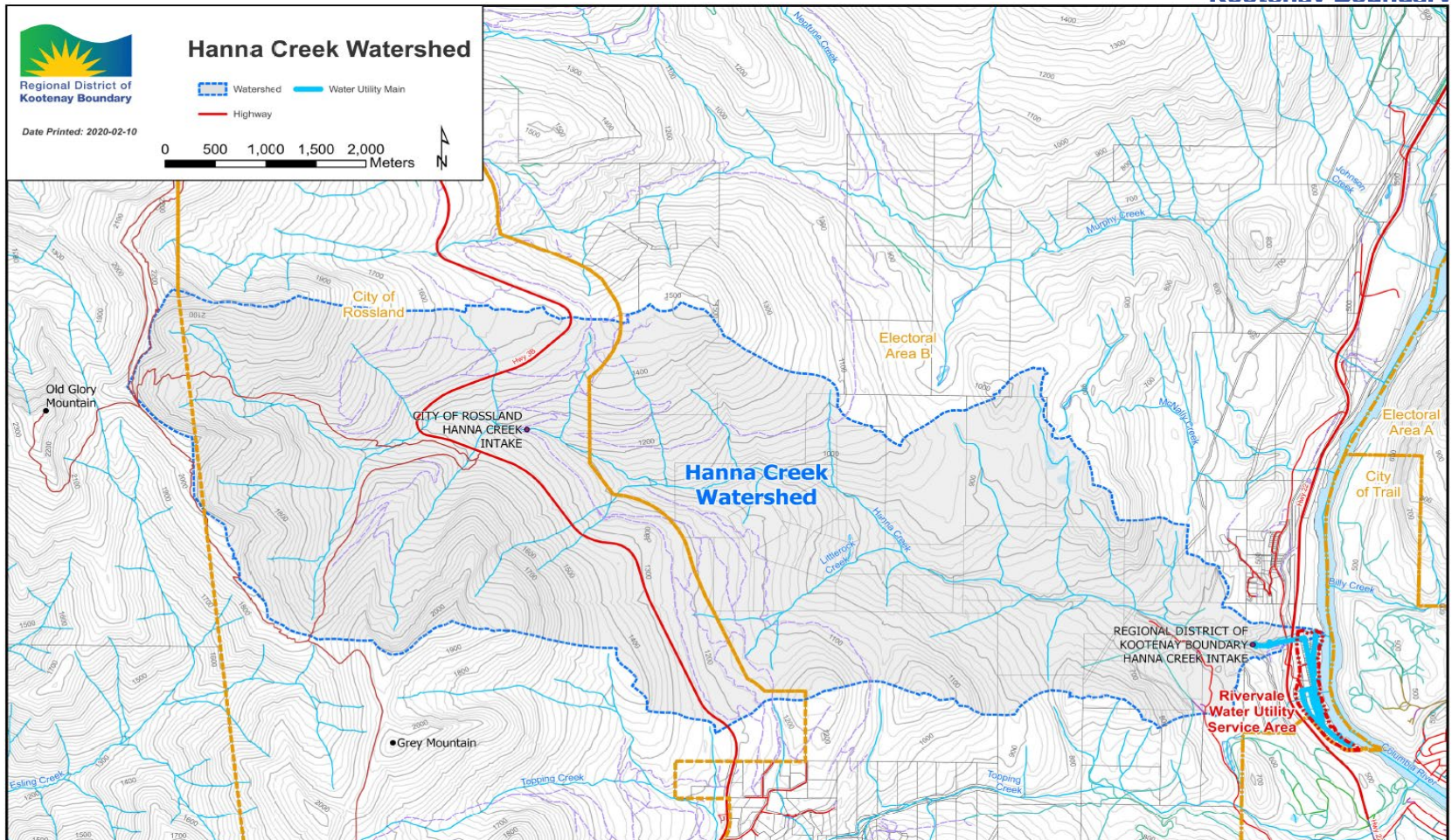


Location of Infiltration Gallery (Hanna Creek)

HANNA CREEK WATERSHED



Regional District of
Kootenay Boundary



WATER CONSERVATION



- **Why water conservation?**

- Warmer winters (more rainfall and less snow during winter)
- Longer drier summers (less availability of water during summer months)
- Highest water demand occurs during driest months (estimated 70% of water use during the summer of 2019)

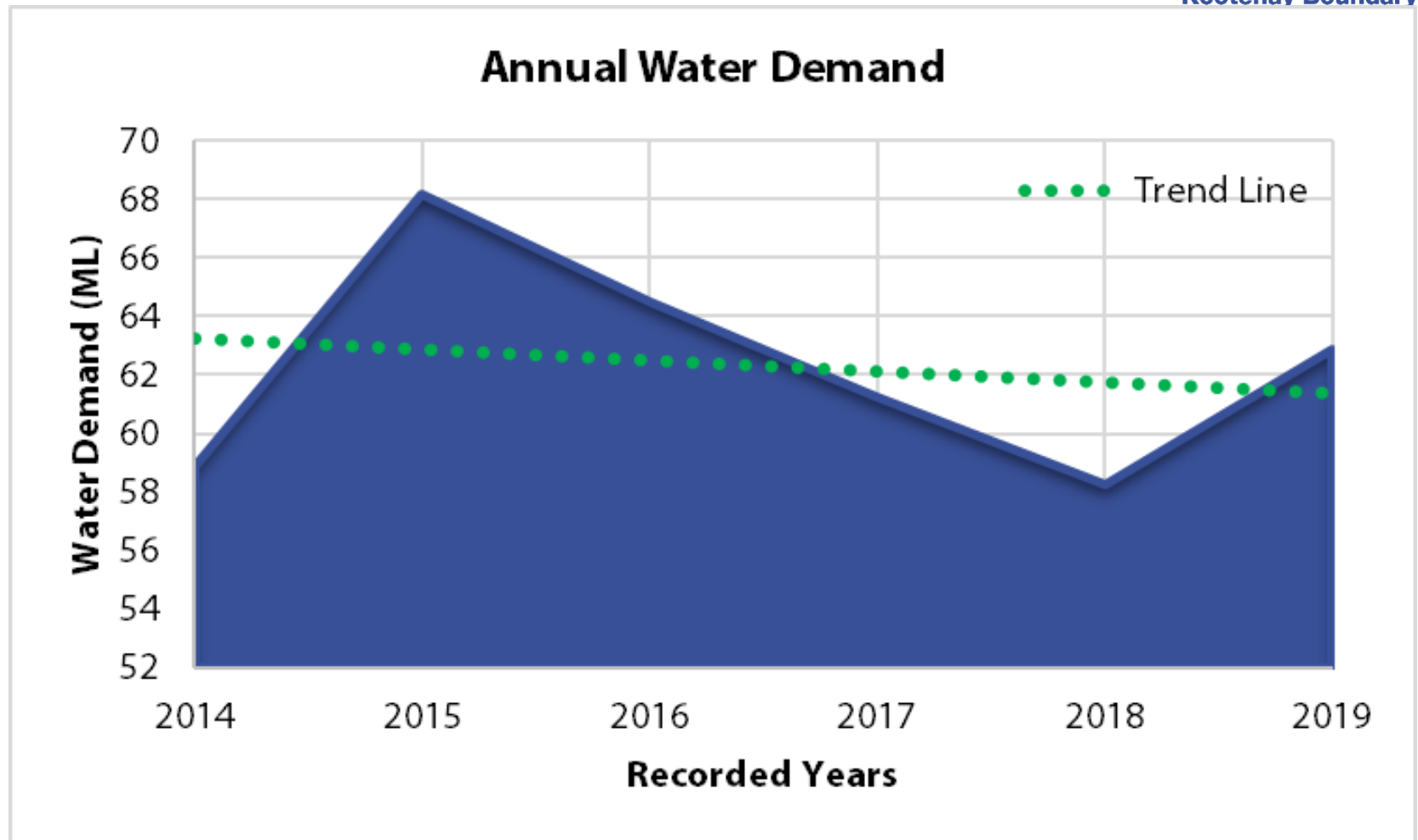
- **Why do we want it?**

- Reduce stress on Hanna Creek and protect fish and aquatic ecosystems
- Ensure enough water available for fire protection
- Reduce operation and maintenance costs
- Increase life of infrastructure

- **What are the goals?**

- Modest 10% reduction in water demand by 2021
- Achievable through outdoor water use conservation

HOW MUCH DO WE USE?



HOW MUCH DO WE USE?



Rivervale Water Utility								
Indicator	2019	2018	2017	2016	2015	2014	2013	Basin Wide 2016
Total Average Daily Demand (Litres/Capita/Day) ¹	638	591	622	654	692	598	612	354 (residential) ²
Average Outdoor Demand (Litres/Capita/Day) ¹	310	333	334	306	360	277	299	Unknown
Average Indoor Demand (Litres/Capita/Day) ¹	328	258	287	349	332	320	313	200 (estimate) ³
% Summer Demand (May to September)	70%	75%	73%	69%	72%	69%	70%	-
% Outdoor Demand	49%	56%	54%	47%	52%	46%	49%	
% Indoor Demand	51%	44%	46%	53%	48%	54%	51%	
Total Demand (ML)	62.9	58.2	61.3	64.5	68.2	58.9	60.3	

^[1] Population during summer months is unknown. Assume population of 270 year round as estimated in the Transition Study.

^[2] Columbia Basin Trust Water Smart Summary 2016 – Average of 5 Basin communities with universal metering.

^[3] From City of Rossland Water Smart Action Plan 2015-2020. Note: 350+ L/C/D is considered a “high use home”; 200 L/C/D would be the expected demand in a home built to current building code standards.



Regional District of
Kootenay Boundary

RIVERVALE WATER UTILITY WATER RESTRICTIONS

ACTIVITY	STAGE 1 Normal	STAGE 2 Dry	STAGE 3 Very Dry	STAGE 4 Extremely Dry
Lawn, trees, shrubs, vegetables, flower gardens watered by sprinkler or irrigation system Allowed 4:00 am to 9:00 am and 7:00 pm to 10:00 pm	Even Numbered Addresses Tuesday, Thursday, Saturday Odd Numbered Addresses Wednesday, Friday, Sunday No Watering Allowed on Mondays	Even Numbered Addresses Tuesday, Saturday Odd Numbered Addresses Wednesday, Sunday No Watering Allowed on Monday, Thursday, Friday	Even Numbered Addresses Saturday Odd Numbered Addresses Sunday No Watering Allowed Monday to Friday	Prohibited
Micro Irrigation or Drip Irrigation System	Allowed	Allowed	Allowed	Allowed 4:00 am to 9:00 am and 7:00 pm to 10:00 pm
Watering with handheld container or hose with shut off nozzle	Allowed	Allowed	Between 7:00 pm and 7:00 am	Prohibited
Washing personal vehicles (does not apply to commercial car wash stations)	Allowed with shutoff nozzle	Allowed with shutoff nozzle	Allowed with shutoff nozzle	Prohibited
Cleaning surfaces, sidewalks, driveways	Allowed with shutoff nozzle	Allowed with shutoff nozzle	Prohibited	Prohibited
Filling fountains, hot tubs, and pools	Allowed	Allowed	Prohibited	Prohibited
Watering sod, new grass, plantings	Allowed with authorization from RDKB Environmental Services	Allowed with authorization from RDKB Environmental Services	Prohibited	Prohibited

Questions? Please contact RDKB at 250.368.9148 or 1.800.355.7352

rdkb.com