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February 10, 2023

Carey Cholski
Permit Administrator
Washington State Dept. of Ecology
PO Box 47775
Olympia, WA 98504-7775

RE: 2022 Infiltration and Inflow Report
WA0023639

Dear Ms. Cholski:

Enclosed you will find the 2022 Infiltration and Inflow Report for the Salmon Creek Treatment Plant prepared by Clark Regional Wastewater District (District). This report is being submitted as required by the NPDES Permit No. WA0023639.

If you have any questions, please contact me at 360.993.8815 or by email at hhenderson@crwwd.com.

Sincerely,

Heath Henderson, PE
Engineering Director

Enclosure

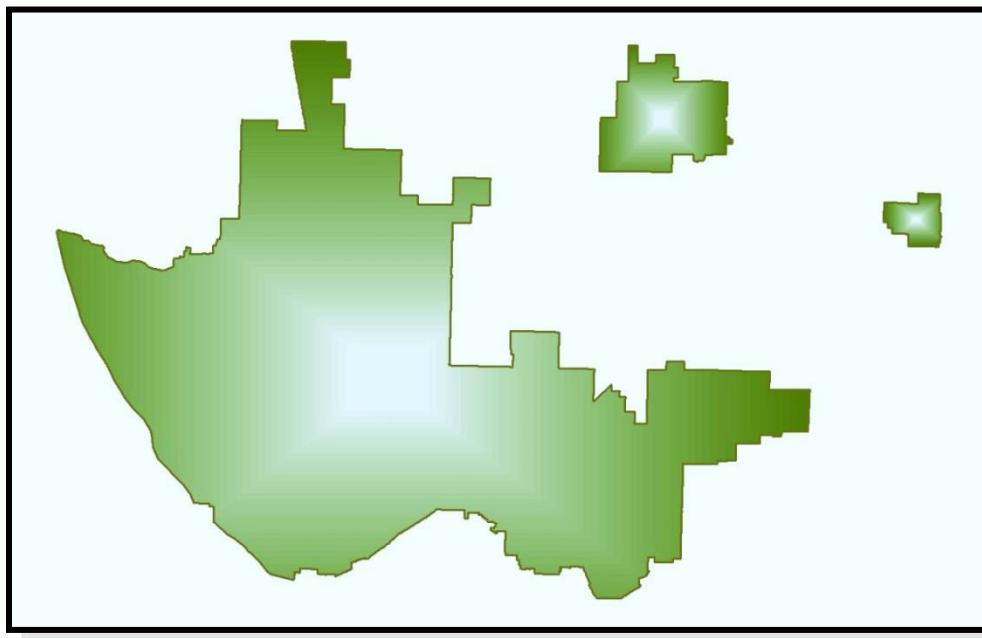
c: Steven Ogle, Water Quality Program Manager, Washington State Dept. of Ecology
Mark Herceg, Public Works Director, City of Battle Ground
John Peterson, General Manager, District
Matt Jenkins, Wastewater Treatment Plant Operations Manager, District
Robin Krause, Principal Engineer: Transmission and Treatment, District
Kristen Thomas, Regulatory Compliance Manager, District



2022

Clark Regional Wastewater District

Infiltration and Inflow Report For Salmon Creek Treatment Plant



February 10, 2023

In Compliance with the NPDES Waste Discharge Permit
No. WA-002363-9 Special Condition S4.E



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2022 Clark Regional Wastewater District **INFILTRATION AND INFLOW REPORT**

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2022 Infiltration and Inflow Report

Overview

The Clark Regional Wastewater District (District) was formed in 1958. The District has always maintained a comprehensive construction specification, inspection and maintenance program to minimize infiltration and inflow (I/I) into the system. As a result, the system flow characteristics perform well below the non-excessive criteria as established in the EPA Infiltration/Inflow Analysis and Project Certification (Ecology publication 97-03).

Beginning in 2016, the District began conveying a portion of the flow generated in the City of Ridgefield service area to the Salmon Creek Treatment Plant. Currently, all flow tributary to the Pioneer Canyon Pump Station is conveyed through the Discovery Corridor Wastewater Transmission System and ultimately to the Salmon Creek Treatment Plant. The average daily flow from the Pioneer Canyon Pump Station is about 0.61 MGD (3,695 Equivalent Residential Units (ERUs)). The Ridgefield Treatment Plant processes the remaining flow generated in Ridgefield. The additional flow to Salmon Creek is incorporated into this report.

ANALYSIS

The District's average dry weather and wet weather I/I rates are well below excessive. Average dry weather flows greater than 120 gallons per capita per day (gpcd) indicate excessive infiltration. Infiltration occurs during periods of high seasonal groundwater and dry weather with little or no rainfall. The District's infiltration remains well below excessive at 71 gpcd. Average wet weather flows greater than 275 gpcd indicate excessive inflow. Inflow occurs during periods of wet weather with significant rainfall resulting in ponding and surface runoff. The District's inflow remains well below excessive at 125 gpcd.

For the purpose of this report, population calculations have been based on population equivalents. This method calculates a population based on the total number of ERUs multiplied by the planning assumption of people per ERU. This assumption is 2.43 people per ERU for the Salmon Creek Treatment Plant (CH2M HILL, 2004 SCTP Phase 4). The calculation for population equivalent includes commercial and industrial ERUs in addition to residents of the area. At the beginning of 2022, the District had approximately 43,660 ERU's with a population equivalent of roughly 106,093 in the Salmon Creek tributary area, which includes the City of Ridgefield, with 3,384 ERUs, or a population equivalent of about 8,222.

As shown in Appendix A, the District's 2022 I/I of 1.57 MGD represents a 43% increase compared to the 2003 base year. Note that this base year has been used for many past I&I reports and to better understand I/I trends in the system, given various changes in the system configuration over time, the District reviews the average monthly flows and rainfall for the available records between January 1997 and December 2022. That data shows that 2000, 2013 and 2019 represent the lowest I/I years on record. The I/I for 2019 was the same as 2013, with 5-inches more rainfall. In 2022, the area received about 2.5-

inches less rain than 2021 with slightly higher system flows resulting in a total I/I of 0.42 MGD less than 2021. The District's I/I averaged 1.56 MGD over the past 25 years, which is nearly equivalent to 2022 I/I of 1.57 MGD. Reviewing more recent years with similar rainfall patterns and flows, the 2022 I/I does not appear to be out of trend with historical performance. Also, the excessive inflow and infiltration calculations do not indicate that the system is experiencing higher than normal I/I.

TABLE 1
1997-2022 I/I AND RAINFALL

Year	Min of Average Monthly Flow (MGD)	Max of Average Monthly Flow (MGD)	I / I	Annual Rainfall
1997	3.9	5.73	1.84	48.18
1998	4.27	5.48	1.22	45.73
1999	4.2	5.92	1.72	43.87
2000	4.41	5.23	0.82	32.89
2001	4.39	5.74	1.35	36.41
2002	4.34	5.53	1.19	34.01
2003	4.63	5.72	1.1	41.02
2004	4.77	5.94	1.17	35.21
2005	4.79	5.9	1.11	34.82
2006	4.92	7.04	2.12	42.96
2007	5.12	6.64	1.52	34.14
2008	5.13	6.48	1.35	28.79
2009	5.11	6.39	1.28	31.93
2010	5.24	7.00	1.75	42.07
2011	5.05	6.99	1.95	30.77
2012	5.19	7.19	2.00	41.65
2013	5.32	6.39	1.07	21.19
2014	5.34	6.84	1.82	32.17
2015	5.31	8.06	2.75	39.44
2016	5.54	7.27	1.73	48.14
2017	5.93	8.25	2.31	46.89
2018	5.86	7.24	1.38	30.65
2019	6.02	7.09	1.07	26.44
2020	6.35	7.67	1.32	30.31
2021	6.41	8.40	1.98	35.09
2022	6.58	8.15	1.57	32.62
Average			1.56	36.44

Monitoring Program and Rehabilitation Projects

INTRODUCTION

The District places an emphasis on good design and inspection to minimize I/I into the system. However, as pipes age, a variety of methods for the monitoring and identification of I/I are necessary to use. This includes yearly review of pump station records, treatment plant flow reports, trunk line flow monitoring, visual inspection of manholes and closed-circuit television (CCTV) camera inspection. Through these efforts, the District is able to locate areas of concern for follow-up investigation and correction.

CROSS-CONNECTIONS

For issues on private property (i.e., stormwater cross connections, roof drains or broken laterals), the District contacts the homeowner and works with them to correct the situation. The District typically addresses issues that are within public right-of-way. All side sewer connections (between right-of-way and building envelope) are permitted and inspected by the District.

NEW CONSTRUCTION

The District addresses I/I by inspecting all new systems during construction, including all mainlines, manholes and individual laterals. In addition, during plan review and field inspection, the District reviews the need for inflow dishes or watertight locking lids to control inflow. The District addresses infiltration by requiring manhole joints to be externally sealed in areas of high groundwater, vacuum testing of 50% of all new manholes and air testing of all new gravity mainlines. The District also requires newly constructed systems to be plugged during active site construction to reduce inflow of stormwater or construction debris.

FLOW MONITORING

The District monitors all pump stations as well as four (4) motor operated valves (MOV's). Daily and annual review of the pump run times and flow data help to identify the potential for I/I. In addition, the two satellite service areas (Meadow Glade and Hockinson) that are served by STEP systems have individual flow meters at their termination.

REHABILITATION

The District strives to inspect all gravity mains and trunk sewers with CCTV cameras a minimum of every eight years to assess condition, I/I and other related issues. The District also performs regular inspections of over 80 pump stations. Results help inform the District's Capital Program, which includes a "Repair" program component. Approximately \$1 million is budgeted for this program on an annual basis. Both programs provide for completion of specific projects targeting the reduction of I/I in the system as well as overall system performance. Types of projects include:

- Sewer mainline and lateral lining projects – CCTV inspections reveal pipe defects such as cracks, holes, and root intrusion which create avenues for I&I. These

projects are typically advertised for bid and completed by experienced contractors. In 2022, 7,700-ft of pipe was lined through the Cougar Creek Trunk Lining Project and the 2022 Lining Project (various locations).

- Spot repair projects – CCTV inspections of pipe as well as routine maintenance inspections on pump stations can reveal pipe and/or structure connection deficiencies that result in I&I. These projects are either advertised for bids or completed by District crews depending on the project scope.

The District completed multiple lining efforts and spot repair projects in 2022. The District is planning lining and spot repair efforts on over a dozen locations in 2023.

APPENDIX A

ANNUAL INFILTRATION/INFLOW (I/I) REPORT



Salmon Creek Wastewater Treatment Plant

ANNUAL INFILTRATION/INFLOW (I/I) REPORT

Reporting Year: From: 2019 To: 2022

Max month design flow: 11.48 MGD (District allocation beginning in 2009)
 Peak daily design flow: 15.31 MGD
 Design Population Equivalent: 86,989

Month	Average Monthly Flow (MGD)			Total Monthly Rainfall (inches)			Population Served			Additional Sewer Lines Added (feet)			
	Year	2020	2021	2022	Year	2020	2021	2022	Year	2020	2021	2022	
January	7.65	8.30	8.11	7.10	6.56	4.30	95820	100043	106266	8791	5937	1373	
February	7.67	8.40	7.27	1.66	3.28	3.22	96111	100256	106530	3682	5911	2175	
March	6.62	7.25	7.78	2.30	1.39	2.27	96265	100619	106856	14138	2228	3881	
April	6.71	6.80	7.89	0.60	0.43	4.87	96542	101270	107069	9706	5409	22	
May	6.72	6.65	7.78	1.87	1.60	3.74	96586	101552	107328	1312	10488	11925	
June	6.89	6.74	7.84	2.63	1.99	2.07	97214	102069	107511	15728	3980	794	
July	6.37	6.43	6.84	0.04	0.00	0.18	97458	102413	107704	2107	0	1316	
August	6.35	6.41	6.66	0.31	0.03	0.00	98011	102790	107858	0	4621	1136	
September	6.42	6.74	6.62	1.27	3.30	0.45	98302	103017	107959	2432	2318	0	
October	6.38	6.89	6.58	1.52	4.43	1.04	98884	103342	108064	12601	5460	0	
November	7.19	7.93	7.53	5.63	5.90	4.54	99409	103842	108339	5907	13492	0	
December	7.35	8.25	8.15	5.38	6.18	5.94	99815	104210	109354	13130	4015	37588	
TOTAL	82.34	86.80	89.05	30.31	35.09	32.62				Total (feet)	89534	63859	60210
Low	6.35	6.41	6.58							Total (miles)	16.96	12.09	11.40
High	7.67	8.40	8.15										
Average	6.86	7.23	7.42										
I/I	1.32	1.98	1.57										

Base Year: 2003

Base Year I/I: 1.1 MGD

INFILTRATION/INFLOW SUMMARY

Year	I/I	% increase from base I/I	% of max mo. design flow
2020	1.32	20	11
2021	1.98	80	17
2022	1.57	43	14

Comments: See report.





APPENDIX B

FLOW ANALYSIS DATA



Salmon Creek Wastewater Management System - Clark Regional Wastewater District

ANNUAL INFILTRATION/INFLOW REPORT **1/1/2022** to **12/31/2022**

FLOW AND PRECIPITATION DATA

MONTH	Average Monthly Flow (MGD)						Total Monthly Precipitation (Inches)					
	2017	2018	2019	2020	2021	2022	2017	2018	2019	2020	2021	2022
January	7.20	7.24	6.61	7.65	8.30	8.11	4.12	6.44	3.40	7.10	6.56	4.30
February	8.19	6.83	7.09	7.67	8.40	7.27	8.22	3.40	6.26	1.66	3.28	3.22
March	8.25	6.75	6.51	6.62	7.25	7.78	8.83	2.27	1.26	2.30	1.39	2.27
April	7.40	6.80	6.86	6.71	6.80	7.89	4.57	3.26	2.42	0.60	0.43	4.87
May	6.86	6.29	6.31	6.72	6.65	7.78	1.86	0.15	1.20	1.87	1.60	3.74
June	6.47	6.04	6.27	6.89	6.74	7.84	1.35	0.70	1.09	2.63	1.99	2.07
July	5.97	5.86	6.08	6.37	6.43	6.84	0.00	0.04	0.44	0.04	0.00	0.18
August	5.93	5.89	6.02	6.35	6.41	6.66	0.00	0.07	0.51	0.31	0.03	0.00
September	6.04	6.00	6.41	6.42	6.74	6.62	2.25	1.40	1.51	1.27	3.30	0.45
October	6.18	6.03	6.25	6.38	6.89	6.58	3.36	4.11	1.78	1.52	4.43	1.04
November	6.90	6.12	6.12	7.19	7.93	7.53	8.90	2.83	1.31	5.63	5.90	4.54
December	6.79	6.67	6.65	7.35	8.25	8.15	3.43	5.98	5.26	5.38	6.18	5.94
Avg Flow / Total Rain	6.30	6.85	6.38	6.86	7.23	7.42	48.14	46.89	30.65	30.31	35.09	32.62
Low Month	5.54	5.93	5.86	6.35	6.41	6.58	0.22	0.00	0.04	0.04	0.00	0.00
High Month	7.27	8.25	7.24	7.67	8.40	8.15	9.68	8.90	6.44	7.10	6.56	5.94

Comments: Measured data presented in this report reflects the Clark Regional Wastewater District's capacity usage only.

Battle Ground usage is reported separately.

POPULATION AND SEWER LINE DATA

MONTH	Population Served (Population Equivalent)		Sewer Lines Added (Feet)
	2022	Year	
January	106266		1373
February	106530		2175
March	106856		3881
April	107069		22
May	107328		11925
June	107511		794
July	107704		1316
August	107858		1136
September	107959		0
October	108064		0
November	108339		0
December	109354		37588
Present Equivalent	109354	Total (feet)	60210
		Total (miles)	11.40

Salmon Creek Wastewater Management System - Clark Regional Wastewater District

ANNUAL INFILTRATION/INFLOW REPORT

1/1/2022 to 12/31/2022

DETERMINATION OF NON EXCESSIVE INFILTRATION

EPA Infiltration Criteria 120 gpcd

District Infiltration 71 gpcd

Period	Flow	Rain	Population Equivalent
Mar 24	8.01	0.00	106856
Mar 25	7.71	0.00	106856
Mar 26	7.71	0.00	106856
Mar 27	7.89	0.00	106856
Mar 28	7.35	0.00	106856
Mar 29	7.41	0.00	106856
Mar 30	7.14	0.00	106856
Average Flow (MGD)	7.60	0.00	Inches Rain

Comments: The seven day period of March 24 through March 30, 2022 is identified as a dry weather period within a period of seasonal high groundwater.

DETERMINATION OF NON EXCESSIVE INFLOW

EPA Inflow Criteria 275 gpcd

District Inflow 125 gpcd

Period	Flow	Rain	Population Equivalent
Dec 25	9.43	0.21	109354
Dec 26	10.64	2.01	109354
Dec 27	13.65	0.46	109354
Dec 28	11.52	0.00	109354
Dec 29	10.45	0.72	109354
Dec 30	10.41	0.21	109354
Dec 31	9.94	0.03	109354
Highest Average Flow (MGD)	13.65	3.64	Inches Rain

Comments: The seven day period of December 25 through December 31, 2022 was identified as a period of significant rainfall with surface ponding and runoff. December 27 was the highest recorded daily flow during a storm event.

Salmon Creek Wastewater Management System - Clark Regional Wastewater District

ANNUAL INFILTRATION/INFLOW REPORT 1/1/2022 to 12/31/2022

INFILTRATION/INFLOW SUMMARY

Year	I/I	% Over Base I/I	% of Max Design Flow
2017	1.73	58%	15%
2018	2.31	110%	20%
2019	1.38	26%	12%
2020	1.32	20%	11%
2021	1.98	80%	17%
2022	1.57	43%	14%

Base Year: 2003

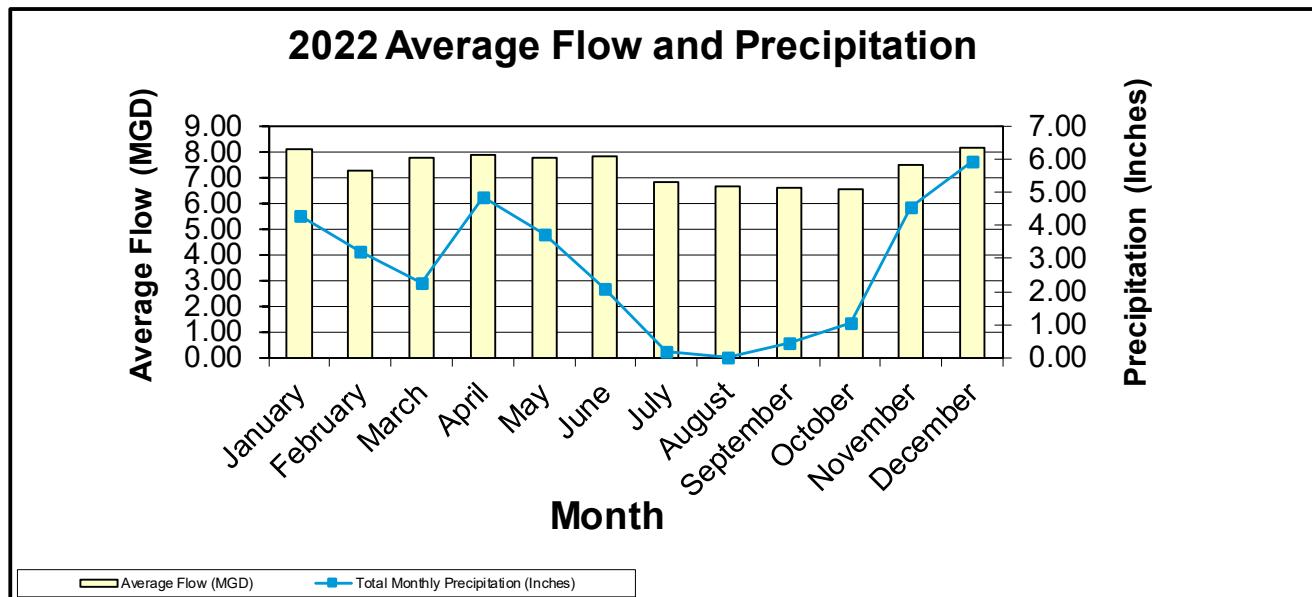
I/I: 1.1

PLANT DESIGN CAPACITY

Peak Design Flow:	15.31 MGD
Max Month Design Flow:	11.48 MGD
Design Population Equivalent:	86,989 People

Comments: See Overview for I/I discussion.

B-3



Comments: Design capacity represents total plant capacity. Present population and infiltration/inflow data included in this report represent Clark Regional Wastewater's usage only. Battle Ground usage is reported separately.



APPENDIX C

MONTHLY FLOW AND RAINFALL



Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
1/1/2022	223400	21900	2.17	1.93	9.68	0.00	0.00	7.75
1/2/2022	344200	37200	2.68	2.29	10.05	0.02	0.73	7.76
1/3/2022	329400	68100	3.61	3.22	13.56	1.34	0.30	10.34
1/4/2022	285800	49300	3.35	3.02	12.69	0.45	0.06	9.67
1/5/2022	385000	77900	4.23	3.76	13.08	0.33	0.10	9.32
1/6/2022	346600	66600	4.22	3.80	15.07	1.77	0.39	11.27
1/7/2022	286300	59900	3.89	3.54	14.14	0.33	0.01	10.60
1/8/2022	239700	32300	3.16	2.89	12.87	0.35	0.14	9.98
1/9/2022	228900	26200	2.87	2.61	11.72	0.00	0.06	9.11
1/10/2022	205000	38600	2.63	2.39	10.87	0.02	0.04	8.48
1/11/2022	202300	34900	2.48	2.24	10.37	0.12	0.74	8.13
1/12/2022	197100	36600	2.42	2.19	10.11	0.16	1.65	7.92
1/13/2022	218500	34600	2.56	2.31	10.20	0.10	0.03	7.89
1/14/2022	191200	31300	2.47	2.25	9.94	0.23	0.03	7.69
1/15/2022	190500	21300	2.13	1.91	9.79	0.02	0.12	7.88
1/16/2022	190500	20400	2.19	1.98	9.70	0.00	0.03	7.72
1/17/2022	194000	20100	2.18	1.96	9.74	0.01	0.04	7.78
1/18/2022	186000	29200	2.07	1.85	9.30	0.08	0.00	7.45
1/19/2022	224500	38900	2.44	2.17	9.47	0.04	0.00	7.30
1/20/2022	241800	42000	2.83	2.55	10.70	0.83	0.02	8.15
1/21/2022	219400	34000	2.50	2.25	10.06	0.15	0.10	7.81
1/22/2022	215800	23500	2.38	2.14	9.87	0.00	0.00	7.73
1/23/2022	207900	22000	2.20	1.97	9.89	0.00	0.00	7.92
1/24/2022	202800	29600	2.12	1.89	9.42	0.00	0.47	7.53
1/25/2022	197200	28900	2.05	1.83	9.15	0.00	0.01	7.32
1/26/2022	198500	27700	1.95	1.73	8.95	0.00	0.14	7.22
1/27/2022	197600	28400	1.97	1.75	8.82	0.00	0.19	7.07
1/28/2022	185500	21900	1.80	1.60	8.76	0.00	0.09	7.16
1/29/2022	207400	19800	1.84	1.62	8.90	0.00	0.13	7.28
1/30/2022	239700	20900	2.00	1.74	9.15	0.00	0.15	7.41
1/31/2022	215000	26300	1.82	1.58	8.94	0.25	0.24	7.36
Total	7197500	1070300	79.21	70.94	324.96	6.60	6.01	254.02
Min**	185500	19800	1.80	1.58	8.76	0.00	0.00	7.07
Max	385000	77900	4.23	3.80	15.07	1.77	1.65	11.27
Average	232177	34526	2.56	2.29	10.48	0.21	0.19	8.19

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
2/1/2022	226500	30300	1.86	1.61	8.75	0.03	0.08	7.14
2/2/2022	233900	33900	1.94	1.67	8.86	0.23	0.06	7.19
2/3/2022	227100	30800	1.92	1.67	8.94	0.13	0.02	7.27
2/4/2022	229800	29200	1.80	1.54	8.68	0.02	0.01	7.14
2/5/2022	222400	25000	1.86	1.61	8.85	0.03	0.01	7.24
2/6/2022	216800	21000	1.93	1.69	9.09	0.00	0.00	7.40
2/7/2022	223800	30400	1.80	1.55	8.74	0.00	0.02	7.19
2/8/2022	204500	28500	1.73	1.50	8.49	0.03	0.00	6.99
2/9/2022	231500	26100	1.75	1.49	8.39	0.00	0.00	6.90
2/10/2022	213900	26300	1.76	1.52	8.39	0.00	0.00	6.87
2/11/2022	203800	27600	1.65	1.41	8.30	0.00	0.00	6.89
2/12/2022	206700	17500	1.68	1.46	8.49	0.00	0.00	7.03
2/13/2022	226500	20600	1.75	1.50	8.70	0.00	0.00	7.20
2/14/2022	221700	31400	1.71	1.46	8.50	0.05	0.18	7.04
2/15/2022	211200	28800	1.66	1.42	8.32	0.20	0.00	6.90
2/16/2022	210000	31700	1.65	1.41	8.30	0.03	0.01	6.89
2/17/2022	209600	29400	1.71	1.47	8.26	0.00	0.00	6.79
2/18/2022	216200	21600	1.70	1.46	8.19	0.06	0.00	6.73
2/19/2022	188900	20600	1.62	1.41	8.32	0.00	0.05	6.91
2/20/2022	219100	22200	1.81	1.57	8.66	0.30	0.02	7.10
2/21/2022	252900	28500	2.22	1.94	9.06	0.09	0.20	7.12
2/22/2022	222400	30300	1.90	1.64	8.82	0.38	0.00	7.18
2/23/2022	222400	29600	1.88	1.63	8.56	0.00	0.00	6.93
2/24/2022	222400	21400	1.88	1.63	8.56	0.01	0.04	6.93
2/25/2022	216500	32900	1.86	1.61	8.37	0.00	0.00	6.76
2/26/2022	216900	26200	1.89	1.65	8.73	0.22	0.44	7.08
2/27/2022	287200	40700	2.35	2.03	9.86	0.37	0.41	7.83
2/28/2022	407800	91600	4.87	4.37	13.47	1.19	1.67	9.10
Total	6392400	834100	54.14	46.91	246.65	3.37	3.22	199.74
Min	188900	17500	1.62	1.41	8.19	0.00	0.00	6.73
Max	407800	91600	4.87	4.37	13.47	1.19	1.67	9.10
Average	228300	29789	1.93	1.68	8.81	0.12	0.12	7.13

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
3/1/2022	300000	63400	3.85	3.49	14.03	1.73	0.16	10.54
3/2/2022	277200	62600	3.49	3.15	12.94	0.23	0.37	9.79
3/3/2022	233700	51200	3.07	2.78	12.15	0.40	0.03	9.37
3/4/2022	208800	43100	2.65	2.40	10.89	0.07	0.00	8.49
3/5/2022	190100	32000	2.45	2.23	10.44	0.05	0.00	8.21
3/6/2022	201800	28000	2.40	2.17	10.22	0.00	0.00	8.05
3/7/2022	188100	34300	2.21	1.99	9.67	0.00	0.00	7.68
3/8/2022	201600	40800	2.30	2.06	9.58	0.00	0.09	7.52
3/9/2022	204800	37100	2.21	1.97	9.49	0.43	0.00	7.52
3/10/2022	191500	40000	2.11	1.87	9.23	0.00	0.00	7.36
3/11/2022	190800	35500	2.03	1.80	9.02	0.00	0.00	7.22
3/12/2022	185100	25500	1.98	1.77	9.24	0.00	0.08	7.47
3/13/2022	218200	31500	2.27	2.02	9.43	0.30	0.25	7.41
3/14/2022	229800	41600	2.36	2.09	9.17	0.24	0.27	7.08
3/15/2022	231500	39900	2.30	2.03	9.25	0.30	0.07	7.22
3/16/2022	230200	39200	2.24	1.97	8.92	0.13	0.00	6.95
3/17/2022	203800	34200	2.07	1.83	9.17	0.00	0.00	7.34
3/18/2022	199700	35100	2.01	1.77	8.99	0.06	0.00	7.22
3/19/2022	244000	29800	2.31	2.03	9.55	0.30	0.20	7.52
3/20/2022	230100	27600	2.11	1.85	9.58	0.07	0.08	7.73
3/21/2022	344300	54100	3.13	2.73	10.82	0.43	0.55	8.09
3/22/2022	293000	46900	2.90	2.56	11.37	0.80	0.05	8.81
3/23/2022	271400	37300	2.68	2.37	10.59	0.00	0.06	8.22
3/24/2022	271600	34400	2.50	2.20	10.21	0.23	0.00	8.01
3/25/2022	246400	36600	2.31	2.03	9.74	0.00	0.00	7.71
3/26/2022	253400	23700	2.22	1.94	9.65	0.02	0.00	7.71
3/27/2022	250900	22800	2.15	1.88	9.77	0.00	0.00	7.89
3/28/2022	254600	32600	2.25	1.96	9.31	0.00	0.00	7.35
3/29/2022	202500	26100	1.81	1.58	8.99	0.00	0.00	7.41
3/30/2022	211900	27700	1.86	1.62	8.76	0.03	0.00	7.14
3/31/2022	224200	25700	1.87	1.62	8.75	0.05	0.01	7.13

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
4/1/2022	200800	25600	1.80	1.57	8.63	0.01	0.04	7.06
4/2/2022	200400	19200	1.80	1.58	8.68	0.04	0.01	7.10
4/3/2022	233200	23800	1.98	1.73	8.68	0.00	0.20	6.95
4/4/2022	260400	33100	2.27	1.98	9.55	0.73	0.37	7.57
4/5/2022	227200	23900	2.04	1.79	8.87	0.20	0.02	7.08
4/6/2022	221200	21900	1.98	1.73	8.62	0.06	0.00	6.89
4/7/2022	212800	20000	1.98	1.75	8.53	0.00	0.00	6.78
4/8/2022	226800	21500	2.14	1.89	8.85	0.40	0.21	6.96
4/9/2022	218600	20600	2.03	1.79	8.95	0.17	0.05	7.16
4/10/2022	302800	38900	2.67	2.33	9.59	0.19	0.37	7.26
4/11/2022	365400	46100	3.40	2.99	12.51	1.10	0.96	9.52
4/12/2022	370600	54300	3.36	2.94	12.43	0.36	0.40	9.49
4/13/2022	319600	52500	3.52	3.14	12.47	0.78	0.15	9.33
4/14/2022	223200	39000	2.56	2.29	11.46	0.11	0.05	9.17
4/15/2022	219500	38200	2.49	2.23	10.52	0.04	0.00	8.29
4/16/2022	216600	24800	2.31	2.07	10.34	0.00	0.04	8.27
4/17/2022	239900	26400	2.34	2.08	10.12	0.01	0.00	8.04
4/18/2022	256600	38800	2.40	2.10	10.33	0.00	0.54	8.23
4/19/2022	255700	40400	2.39	2.10	10.31	0.52	0.04	8.21
4/20/2022	259300	37700	2.32	2.02	10.09	0.10	0.55	8.07
4/21/2022	257100	38300	2.28	1.98	10.23	0.28	0.15	8.25
4/22/2022	245000	32700	2.14	1.86	9.78	0.04	0.02	7.92
4/23/2022	251200	25300	2.19	1.91	9.61	0.00	0.00	7.70
4/24/2022	250500	23200	2.00	1.73	9.74	0.00	0.00	8.01
4/25/2022	228500	33000	2.10	1.84	9.53	0.07	0.09	7.69
4/26/2022	232400	33700	2.06	1.79	9.42	0.26	0.04	7.63
4/27/2022	224900	32000	2.00	1.75	9.20	0.22	0.01	7.45
4/28/2022	230400	33300	2.04	1.78	9.15	0.00	0.08	7.37
4/29/2022	273300	43000	2.45	2.13	9.14	0.18	0.33	7.01
4/30/2022	305600	32000	2.77	2.43	10.88	1.04	0.15	8.45
Total	7529500	973200	69.81	61.31	296.21	6.91	4.87	234.90
Min	200400	19200	1.80	1.57	8.53	0.00	0.00	6.78
Max	370600	54300	3.52	3.14	12.51	1.10	0.96	9.52
Average	250983	32440	2.33	2.04	9.87	0.23	0.16	7.83

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
5/1/2022	252100	24100	2.26	1.98	10.36	0.01	0.00	8.38
5/2/2022	259700	35500	2.33	2.03	9.95	0.13	0.16	7.92
5/3/2022	237900	33100	2.12	1.85	9.46	0.07	0.00	7.61
5/4/2022	227300	32800	2.08	1.82	9.24	0.01	0.00	7.42
5/5/2022	273900	45400	2.44	2.12	9.94	0.07	0.38	7.82
5/6/2022	326700	60900	2.79	2.40	10.58	0.68	0.67	8.18
5/7/2022	336400	47000	3.01	2.63	11.83	0.85	0.12	9.20
5/8/2022	315600	36300	2.70	2.34	11.05	0.14	0.01	8.71
5/9/2022	275700	39200	2.45	2.13	10.24	0.08	0.04	8.11
5/10/2022	282600	35000	2.25	1.93	9.73	0.00	0.00	7.80
5/11/2022	237900	36400	2.06	1.79	9.53	0.00	0.00	7.74
5/12/2022	248500	38800	2.26	1.98	9.59	0.00	0.22	7.61
5/13/2022	265100	42400	2.38	2.07	9.52	0.39	0.28	7.45
5/14/2022	281200	36400	2.55	2.24	10.97	0.82	0.25	8.73
5/15/2022	305400	35300	2.71	2.37	10.96	0.01	0.51	8.59
5/16/2022	277400	36900	2.45	2.13	10.49	0.25	0.00	8.36
5/17/2022	247400	37000	2.20	1.91	9.87	0.00	0.00	7.96
5/18/2022	250700	35100	2.25	1.97	9.76	0.22	0.13	7.79
5/19/2022	244300	33400	2.21	1.93	9.66	0.05	0.04	7.73
5/20/2022	223100	30900	2.07	1.81	9.38	0.05	0.00	7.57
5/21/2022	229100	21300	2.02	1.77	9.33	0.00	0.00	7.56
5/22/2022	220900	20900	1.99	1.74	9.43	0.00	0.00	7.69
5/23/2022	207400	29100	1.93	1.69	9.22	0.00	0.00	7.53
5/24/2022	210500	32500	1.87	1.63	8.91	0.00	0.00	7.28
5/25/2022	208100	27500	1.82	1.59	8.77	0.04	0.02	7.18
5/26/2022	202100	31200	1.86	1.63	8.97	0.04	0.32	7.34
5/27/2022	206700	28400	1.81	1.57	8.88	0.05	0.05	7.31
5/28/2022	205200	22300	1.85	1.63	9.10	0.04	0.47	7.47
5/29/2022	218900	23600	1.95	1.71	9.28	0.44	0.07	7.57
5/30/2022	212100	20000	1.86	1.63	9.50	0.08	0.00	7.87
5/31/2022	212900	30300	1.83	1.58	9.09	0.00	0.00	7.51
Total	7702800	1039000	68.36	59.62	302.59	4.52	3.74	242.97
Min	202100	20000	1.81	1.57	8.77	0.00	0.00	7.18
Max	336400	60900	3.01	2.63	11.83	0.85	0.67	9.20
Average	248477	33516	2.21	1.92	9.76	0.15	0.12	7.84

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
6/1/2022	203100	30800	1.17	0.93	8.84	0.00	0.00	7.91
6/2/2022	202100	26600	1.64	1.41	8.79	0.00	0.00	9.82
6/3/2022	205100	30900	1.75	1.52	8.70	0.00	0.06	8.98
6/4/2022	210900	26600	1.83	1.60	9.03	0.10	0.38	8.83
6/5/2022	244700	32200	2.17	1.89	10.01	0.56	0.08	8.61
6/6/2022	224400	35100	2.02	1.76	9.42	0.25	0.00	8.47
6/7/2022	213500	35700	1.82	1.57	9.06	0.00	0.00	8.25
6/8/2022	212100	30200	1.81	1.56	8.84	0.00	0.00	7.72
6/9/2022	235800	37000	2.07	1.80	9.13	0.00	0.41	8.42
6/10/2022	391800	78100	3.58	3.11	10.92	0.75	0.85	7.86
6/11/2022	354200	44500	3.20	2.80	13.52	1.83	0.04	7.46
6/12/2022	299700	31600	2.65	2.31	12.13	0.00	0.05	9.82
6/13/2022	279000	40300	2.59	2.27	11.25	0.16	0.01	8.98
6/14/2022	266600	36200	2.44	2.14	10.97	0.30	0.05	8.83
6/15/2022	244900	33400	2.25	1.97	10.58	0.00	0.01	8.61
6/16/2022	224300	29300	2.08	1.83	10.30	0.00	0.01	8.47
6/17/2022	233500	31700	2.15	1.88	10.13	0.00	0.05	8.25
6/18/2022	299300	28000	2.53	2.20	9.92	0.05	0.06	7.72
6/19/2022	161900	15700	1.53	1.35	9.77	0.25	0.01	8.42
6/20/2022	211700	19500	1.95	1.72	9.58	0.01	0.00	7.86
6/21/2022	201400	20100	1.84	1.62	9.08	0.00	0.00	7.46
6/22/2022	206800	19800	1.79	1.56	9.11	0.00	0.00	7.55
6/23/2022	212100	19000	1.83	1.60	8.99	0.00	0.00	7.39
6/24/2022	187400	19800	1.71	1.50	8.70	0.00	0.00	7.20
6/25/2022	189400	15500	1.63	1.43	8.60	0.00	0.00	7.17
6/26/2022	199100	17100	1.77	1.55	8.65	0.00	0.00	7.10
6/27/2022	195100	21000	1.73	1.52	8.75	0.00	0.00	7.23
6/28/2022	186000	17800	1.64	1.43	8.66	0.00	0.00	7.23
6/29/2022	191900	16600	1.63	1.42	8.53	0.00	0.00	7.11
6/30/2022	188100	17500	1.62	1.41	8.57	0.00	0.00	7.16
Total	6875900	857600	60.38	52.65	288.53	4.26	2.07	241.91
Min	161900	15500	1.17	0.93	8.53	0.00	0.00	7.10
Max	391800	78100	3.58	3.11	13.52	1.83	0.85	9.82
Average	229197	28587	2.01	1.75	9.62	0.14	0.07	8.06

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
7/1/2022	197700	17700	1.65	1.44	8.45	0.00	0.00	7.01
7/2/2022	173400	15200	1.54	1.35	8.37	0.00	0.00	7.02
7/3/2022	179300	15300	1.57	1.37	8.24	0.00	0.00	6.87
7/4/2022	198100	16000	1.67	1.45	8.45	0.00	0.00	7.00
7/5/2022	181900	18000	1.63	1.43	8.49	0.00	0.02	7.06
7/6/2022	181900	20100	1.62	1.42	8.42	0.11	0.16	7.00
7/7/2022	189600	19500	1.66	1.45	8.35	0.00	0.00	6.90
7/8/2022	176000	18400	1.56	1.37	8.28	0.00	0.00	6.91
7/9/2022	182600	28700	1.57	1.36	8.29	0.25	0.00	6.93
7/10/2022	201500	23400	1.61	1.38	8.42	0.00	0.00	7.04
7/11/2022	181300	22400	1.62	1.42	8.38	0.00	0.00	6.96
7/12/2022	181900	16300	1.54	1.34	8.25	0.00	0.00	6.91
7/13/2022	191700	17700	1.57	1.36	8.08	0.00	0.00	6.72
7/14/2022	172500	17000	1.53	1.34	8.15	0.00	0.00	6.81
7/15/2022	172900	16600	1.51	1.32	8.09	0.00	0.00	6.77
7/16/2022	184300	16000	1.55	1.35	8.04	0.00	0.00	6.69
7/17/2022	179900	16000	1.53	1.34	8.24	0.00	0.00	6.90
7/18/2022	174800	18800	1.53	1.34	8.18	0.00	0.00	6.84
7/19/2022	174300	15100	1.53	1.34	7.98	0.00	0.00	6.64
7/20/2022	174300	16700	1.48	1.29	7.99	0.00	0.00	6.70
7/21/2022	172200	15000	1.50	1.32	8.02	0.00	0.00	6.70
7/22/2022	194400	14900	1.41	1.20	7.98	0.00	0.00	6.78
7/23/2022	171100	13100	1.41	1.23	7.92	0.00	0.00	6.69
7/24/2022	174100	14000	1.41	1.22	8.07	0.00	0.00	6.85
7/25/2022	180000	19600	1.48	1.28	8.11	0.00	0.00	6.83
7/26/2022	178800	15100	1.45	1.26	7.96	0.00	0.00	6.70
7/27/2022	197500	19900	1.42	1.20	7.94	0.00	0.00	6.74
7/28/2022	242500	16000	1.52	1.26	8.03	0.00	0.00	6.77
7/29/2022	198500	15400	1.50	1.29	7.97	0.00	0.00	6.68
7/30/2022	179200	14800	1.44	1.25	7.93	0.00	0.00	6.68
7/31/2022	182400	16700	1.45	1.25	8.10	0.00	0.00	6.85
Total	5720600	539400	47.46	41.20	253.17	0.36	0.18	211.97
Min	171100	13100	1.41	1.20	7.92	0.00	0.00	6.64
Max	242500	28700	1.67	1.45	8.49	0.25	0.16	7.06
Average	184535	17400	1.53	1.33	8.17	0.01	0.01	6.84

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
8/1/2022	203100	18200	1.52	1.29	8.15	0.00	0.00	6.86
8/2/2022	200200	15200	1.46	1.24	7.98	0.00	0.00	6.74
8/3/2022	176200	17500	1.43	1.24	7.85	0.00	0.00	6.61
8/4/2022	185400	16200	1.47	1.27	7.89	0.00	0.00	6.62
8/5/2022	176700	15600	1.42	1.23	7.92	0.00	0.00	6.69
8/6/2022	181700	14600	1.44	1.24	7.85	0.00	0.00	6.61
8/7/2022	187100	17300	1.44	1.23	7.98	0.00	0.00	6.75
8/8/2022	190000	17500	1.52	1.31	8.08	0.00	0.00	6.77
8/9/2022	181600	14900	1.43	1.23	7.92	0.00	0.00	6.69
8/10/2022	182000	15300	1.41	1.21	7.88	0.00	0.00	6.67
8/11/2022	179200	13900	1.42	1.23	7.86	0.00	0.00	6.63
8/12/2022	187800	15900	1.51	1.31	7.84	0.00	0.00	6.53
8/13/2022	169500	13000	1.37	1.19	7.86	0.00	0.00	6.68
8/14/2022	168600	13900	1.37	1.19	8.03	0.00	0.00	6.84
8/15/2022	186700	19600	1.49	1.28	7.99	0.00	0.00	6.71
8/16/2022	180900	20600	1.44	1.24	7.79	0.00	0.00	6.55
8/17/2022	169200	18100	1.43	1.24	7.69	0.00	0.00	6.45
8/18/2022	179700	19900	1.47	1.27	7.83	0.00	0.00	6.56
8/19/2022	192600	17800	1.59	1.38	7.77	0.00	0.00	6.39
8/20/2022	173400	15100	1.44	1.25	7.78	0.00	0.00	6.53
8/21/2022	163000	14200	1.35	1.17	8.02	0.00	0.00	6.85
8/22/2022	171600	16900	1.48	1.29	7.94	0.00	0.00	6.65
8/23/2022	187100	17800	1.43	1.22	7.77	0.00	0.00	6.55
8/24/2022	184100	19900	1.44	1.24	7.77	0.00	0.00	6.53
8/25/2022	171300	18100	1.40	1.21	7.82	0.00	0.00	6.61
8/26/2022	171900	16500	1.41	1.22	7.76	0.00	0.00	6.54
8/27/2022	179500	16000	1.40	1.21	7.76	0.00	0.00	6.56
8/28/2022	185200	14100	1.47	1.27	8.01	0.00	0.00	6.74
8/29/2022	180700	20200	1.48	1.28	8.06	0.00	0.00	6.78
8/30/2022	182600	16600	1.41	1.21	7.89	0.00	0.00	6.68
8/31/2022	198800	25800	1.57	1.34	7.85	0.00	0.00	6.51
Total	5627400	526200	44.90	38.74	244.59	0.00	0.00	205.85
Min	163000	13000	1.35	1.17	7.69	0.00	0.00	6.39
Max	203100	25800	1.59	1.38	8.15	0.00	0.00	6.86
Average	181529	16974	1.45	1.25	7.89	0.00	0.00	6.64

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
9/1/2022	177800	24000	1.36	1.16	7.83	0.00	0.00	6.67
9/2/2022	183900	23500	1.39	1.18	7.83	0.00	0.00	6.65
9/3/2022	175200	14200	1.36	1.17	7.65	0.00	0.00	6.48
9/4/2022	177100	16000	1.32	1.12	7.55	0.00	0.00	6.43
9/5/2022	196600	15300	1.57	1.36	8.22	0.00	0.00	6.86
9/6/2022	176500	26300	1.40	1.19	7.90	0.00	0.00	6.71
9/7/2022	180700	26400	1.41	1.20	7.73	0.00	0.00	6.53
9/8/2022	184400	25100	1.45	1.24	7.70	0.00	0.00	6.46
9/9/2022	177900	27300	1.39	1.19	7.59	0.00	0.00	6.40
9/10/2022	181700	14100	1.35	1.16	7.65	0.00	0.00	6.49
9/11/2022	184000	13000	1.41	1.22	8.05	0.00	0.02	6.83
9/12/2022	184400	24500	1.45	1.24	7.87	0.06	0.01	6.63
9/13/2022	178700	30800	1.39	1.18	7.74	0.00	0.00	6.56
9/14/2022	191300	27200	1.42	1.20	7.55	0.00	0.00	6.35
9/15/2022	183600	24900	1.40	1.20	7.56	0.00	0.00	6.36
9/16/2022	176600	25500	1.42	1.21	7.57	0.00	0.01	6.36
9/17/2022	189500	16500	1.43	1.23	7.69	0.00	0.00	6.46
9/18/2022	187600	13500	1.36	1.16	8.02	0.00	0.00	6.86
9/19/2022	197200	25200	1.42	1.20	7.82	0.00	0.00	6.62
9/20/2022	191200	26200	1.17	0.96	7.68	0.00	0.00	6.72
9/21/2022	187700	27000	1.42	1.20	7.63	0.00	0.00	6.43
9/22/2022	183500	24900	1.41	1.20	7.66	0.00	0.00	6.46
9/23/2022	176200	25200	1.38	1.17	7.64	0.00	0.00	6.47
9/24/2022	176300	14300	1.37	1.18	7.70	0.00	0.00	6.52
9/25/2022	192800	14200	1.47	1.27	8.05	0.00	0.00	6.78
9/26/2022	180100	25300	0.67	0.47	7.86	0.00	0.00	7.39
9/27/2022	175200	24300	0.65	0.45	7.68	0.00	0.00	7.23
9/28/2022	178600	26800	0.67	0.46	7.59	0.00	0.15	7.13
9/29/2022	184900	25200	1.27	1.06	7.95	0.60	0.26	6.89
9/30/2022	167800	27500	1.37	1.18	7.66	0.05	0.00	6.48
Total	5479000	674200	39.56	33.41	232.62	0.71	0.45	199.21
Min	167800	13000	0.65	0.45	7.55	0.00	0.00	6.35
Max	197200	30800	1.57	1.36	8.22	0.60	0.26	7.39
Average	182633	22473	1.32	1.11	7.75	0.02	0.02	6.64

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
10/1/2022	170400	19600	1.26	1.07	7.77	0.00	0.00	6.70
10/2/2022	195200	17200	1.30	1.09	8.06	0.00	0.00	6.97
10/3/2022	178300	26700	1.26	1.06	7.82	0.00	0.00	6.76
10/4/2022	188400	29600	1.23	1.01	7.65	0.00	0.00	6.64
10/5/2022	177700	24400	1.26	1.05	7.62	0.00	0.00	6.57
10/6/2022	174000	25400	1.17	0.97	7.61	0.00	0.00	6.64
10/7/2022	180300	24500	1.30	1.09	7.55	0.00	0.00	6.46
10/8/2022	179000	14900	1.25	1.06	7.74	0.00	0.00	6.68
10/9/2022	162800	13400	1.17	0.99	7.95	0.00	0.00	6.96
10/10/2022	196100	27700	1.32	1.10	7.82	0.00	0.00	6.72
10/11/2022	183400	24500	1.16	0.96	7.63	0.00	0.00	6.67
10/12/2022	179100	34500	1.20	0.99	7.52	0.00	0.00	6.53
10/13/2022	180700	26400	1.24	1.03	7.55	0.00	0.00	6.52
10/14/2022	168600	20800	1.23	1.04	7.55	0.00	0.00	6.51
10/15/2022	166300	13200	1.24	1.06	7.70	0.00	0.00	6.64
10/16/2022	187400	16800	1.33	1.12	7.97	0.00	0.00	6.85
10/17/2022	180700	23400	1.24	1.04	7.82	0.00	0.00	6.78
10/18/2022	172200	26300	1.18	0.98	7.59	0.00	0.02	6.61
10/19/2022	189800	24100	1.23	1.01	7.54	0.00	0.00	6.53
10/20/2022	175800	25700	1.22	1.02	7.54	0.00	0.00	6.52
10/21/2022	175300	30000	1.32	1.11	7.82	0.97	0.44	6.71
10/22/2022	181000	17200	1.42	1.22	8.28	0.00	0.12	7.06
10/23/2022	191500	15600	1.44	1.23	8.28	0.00	0.00	7.05
10/24/2022	182100	32700	1.49	1.28	8.28	0.25	0.23	7.00
10/25/2022	197500	29000	1.53	1.31	8.25	0.38	0.10	6.94
10/26/2022	172900	25600	1.37	1.18	8.27	0.44	0.07	7.09
10/27/2022	186200	23700	1.41	1.20	7.99	0.12	0.03	6.79
10/28/2022	174700	27900	1.55	1.35	8.41	0.02	0.01	7.07
10/29/2022	187500	18100	1.50	1.29	8.36	0.64	0.01	7.07
10/30/2022	182000	18100	1.48	1.28	8.47	0.00	0.00	7.19
10/31/2022	182300	34600	1.72	1.51	8.72	0.16	0.01	7.21
Total	5599200	731600	41.01	34.68	245.13	2.98	1.04	210.45
Min	162800	13200	1.16	0.96	7.52	0.00	0.00	6.46
Max	197500	34600	1.72	1.51	8.72	0.97	0.44	7.21
Average	180619	23600	1.32	1.12	7.91	0.10	0.03	6.79

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
11/1/2022	181200	32600	1.89	1.67	8.75	0.70	0.02	7.08
11/2/2022	187300	28200	1.82	1.61	8.45	0.24	0.00	6.84
11/3/2022	180000	39200	1.94	1.72	8.29	0.15	0.01	6.57
11/4/2022	235500	88200	4.21	3.88	11.96	1.00	1.90	8.08
11/5/2022	186800	35900	2.64	2.42	12.12	2.68	0.06	9.70
11/6/2022	207600	42300	2.96	2.71	11.20	0.50	0.05	8.49
11/7/2022	202200	43800	2.57	2.33	10.82	0.50	0.03	8.49
11/8/2022	192900	39000	2.26	2.03	9.53	0.17	0.06	7.50
11/9/2022	191600	32700	2.07	1.84	9.00	0.00	0.34	7.16
11/10/2022	188200	30300	1.91	1.69	8.65	0.00	0.00	6.96
11/11/2022	189100	19600	1.89	1.68	8.62	0.00	0.01	6.94
11/12/2022	194100	19900	1.79	1.58	8.56	0.00	0.00	6.98
11/13/2022	182000	19000	1.68	1.48	8.77	0.00	0.01	7.29
11/14/2022	191900	30400	1.77	1.54	8.43	0.00	0.01	6.89
11/15/2022	197600	31600	1.74	1.51	8.19	0.00	0.00	6.68
11/16/2022	188700	34100	1.62	1.40	8.08	0.00	0.01	6.68
11/17/2022	182700	38700	1.63	1.41	8.08	0.00	0.00	6.67
11/18/2022	190900	29200	1.66	1.44	8.02	0.00	0.00	6.58
11/19/2022	213600	20900	1.66	1.42	8.28	0.00	0.00	6.86
11/20/2022	175100	16500	1.53	1.34	8.52	0.00	0.00	7.18
11/21/2022	186000	27600	1.61	1.40	8.18	0.00	0.00	6.78
11/22/2022	192300	27800	1.68	1.46	8.23	0.00	0.24	6.77
11/23/2022	200500	17900	1.66	1.44	8.57	0.34	0.01	7.13
11/24/2022	222500	17500	1.64	1.40	8.64	0.00	0.00	7.24
11/25/2022	192700	19600	1.71	1.50	8.24	0.00	0.37	6.74
11/26/2022	209100	17900	1.75	1.53	8.54	0.38	0.00	7.01
11/27/2022	220100	26200	2.09	1.84	9.12	0.13	0.26	7.28
11/28/2022	197400	33800	1.99	1.76	8.97	0.35	0.11	7.21
11/29/2022	217900	53700	2.60	2.33	8.97	0.15	0.33	6.64
11/30/2022	234900	63900	3.27	2.97	11.60	1.57	0.71	8.63
Total	5932400	978000	61.25	54.34	271.38	8.86	4.54	217.04
Min	175100	16500	1.53	1.34	8.02	0.00	0.00	6.57
Max	235500	88200	4.21	3.88	12.12	2.68	1.90	9.70
Average	197747	32600	2.04	1.81	9.05	0.30	0.15	7.23

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
12/1/2022	211200	43700	2.33	2.07	10.24	0.21	0.03	8.17
12/2/2022	200600	37100	2.08	1.84	9.32	0.06	0.02	7.48
12/3/2022	193300	21900	1.84	1.63	9.22	0.00	0.00	7.59
12/4/2022	211300	25000	1.99	1.75	9.35	0.00	0.14	7.60
12/5/2022	206400	35200	1.99	1.75	9.28	0.36	0.13	7.53
12/6/2022	204300	31600	1.85	1.61	8.87	0.03	0.06	7.26
12/7/2022	206800	31800	1.82	1.58	8.73	0.09	0.02	7.15
12/8/2022	212600	43600	2.22	1.97	9.36	0.23	0.44	7.39
12/9/2022	266200	58700	2.97	2.65	10.57	0.56	0.65	7.92
12/10/2022	284700	47800	3.16	2.83	12.43	1.25	0.44	9.60
12/11/2022	245500	30200	2.45	2.18	11.37	0.20	0.00	9.19
12/12/2022	225500	36700	2.20	1.94	10.08	0.00	0.00	8.14
12/13/2022	227600	35300	2.04	1.78	9.41	0.00	0.00	7.64
12/14/2022	207600	32300	1.87	1.63	9.09	0.00	0.00	7.46
12/15/2022	227100	34000	1.88	1.62	8.94	0.00	0.00	7.32
12/16/2022	202200	32300	1.71	1.48	8.78	0.00	0.00	7.30
12/17/2022	224600	21100	1.82	1.58	8.96	0.00	0.01	7.38
12/18/2022	214500	21600	1.77	1.54	8.99	0.18	0.09	7.45
12/19/2022	212300	21500	1.80	1.57	8.94	0.20	0.01	7.37
12/20/2022	218200	26100	1.85	1.61	8.94	0.01	0.13	7.33
12/21/2022	215800	25200	1.73	1.49	8.96	0.32	0.00	7.47
12/22/2022	264000	25700	2.04	1.75	9.04	0.00	0.00	7.29
12/23/2022	218000	18900	1.69	1.45	9.23	0.29	0.13	7.78
12/24/2022	281900	45000	2.49	2.16	10.69	0.14	0.00	8.53
12/25/2022	288800	41400	2.52	2.19	11.62	0.80	0.21	9.43
12/26/2022	435200	109300	4.51	3.97	14.61	0.35	2.01	10.64
12/27/2022	358500	79100	4.30	3.86	17.51	2.45	0.46	13.65
12/28/2022	255200	40900	3.22	2.92	14.44	0.49	0.00	11.52
12/29/2022	261900	42400	3.13	2.83	13.28	0.05	0.72	10.45
12/30/2022	263800	48400	3.17	2.86	13.27	0.57	0.21	10.41
12/31/2022	250900	41200	3.00	2.70	12.64	0.33	0.03	9.94

APPENDIX D

ERU AND SEWER LINE DATA



CLARK REGIONAL WASTEWATER DISTRICT
SALMON CREEK TREATMENT PLANT
SEWER CONNECTION REPORT

Year: Jan 2022 - Dec 2022

Month	New Residential	Total Residential	Multi Family/ Guesthomes (* .8)	Total Res/ Multi-Family	New Commercial	Total Commercial	Grand Total ERU's	<u>Line Construction</u>		Total Line Construction	Total Miles	Year to Date	
								Developer	District			ERU'S	SCTP - All
								Res	759.8			Res	759.8
								Multi-Family	497.0	(Actual)		Comm	84.7
								Total	1,341.5			Total	1,341.5
Balance Forward	ERU's	27733.0		6944.0		4446.0	39123.0			2335237	442.3		
Jan	34.0	27767.0	0.0	6944.0	4.3 ♦	4450.3	39161.3	0	0	2335237	442.3		VTP
Feb	71.0	27838.0	0.0	6944.0	10.2 ♦	4460.5	39242.5	475	0	2335712	442.4		Res 33.0
Mar	58.8 ♦	27896.8	9.2 ♦	6953.2	0.0	4460.5	39310.5	3490	0	2339202	443.0		Multi-Family 1.2 (Actual)
Apr	32.0	27928.8	11.0 ♦	6964.2	1.5 ♦	4462.0	39355.0	22	0	2339224	443.0		Comm -
May	60.0	27988.8	0.0	6964.2	1.0 ♦	4463.0	39416.0	2087	0	2341311	443.4		Total 34.2
Jun	52.0	28040.8	0.0	6964.2	1.2 ♦	4464.2	39469.2	0	0	2341311	443.4		RTP
Jul	58.0	28098.8	0.0	6964.2	1.4 ♦	4465.6	39528.6	1316	0	2342627	443.7		Res 98.0
Aug	17.0	28115.8	0.0	6964.2	21.2 ♦	4486.8	39566.8	652	0	2343279	443.8		Multi-Family - (Actual)
Sep	25.0	28140.8	3.2 ♦	6967.4	1.5 ♦	4488.3	39596.5	0	0	2343279	443.8		Comm 2.2
Oct	32.0	28172.8	0.0	6967.4	5.0 ♦	4493.3	39633.5	0	0	2343279	443.8		Total 100.2
Nov	23.0	28195.8	80.6 ♦	7048.0	1.0 ♦	4494.3	39738.1	0	0	2343279	443.8		Permits
Dec	34.0	28229.8	354.0 ♦	7402.0	17.2 ♦	4511.5	40143.3	31700	0	2374979	449.8		SCTP 99
Subtotals	496.8		458.0		65.5		4511.5	40143.3		39742	0		RTP 33
Total ERU's		28229.8		7402.0						2374979	449.8		VTP 0
													Total 132

♦ See reverse for explanation

December		SCTP	88th St Development	SCTP	Padden Employment Center
SCTP	Abbot Apartments 1405 NE 88th St		1218 NE 88th St Ste 106 ◆ Life Core Transformation 0.2		6307 NE 87th St ◆ NW Baptist Office 1.7
	◆ Building A 7.6				
	◆ Building B 14.4				
	<u>22.0</u>	SCTP	179th St Apartments West Ph 1 1920 NE 170th St ◆ Office / Community Center 1.0	SCTP	Salmon Creek Human Bean 2423 NE 134th St ◆ Shell Bldg 1.0
SCTP	Jax Apartments 7105 NE 123rd St				◆ Coffee Kiosk 0.7
	◆ Building A 19.2	SCTP	179th St Apartments West Ph 2 2112 NE 179th St ◆ Office / Community Center 1.0		<u>1.7</u>
	◆ Building B 19.2				
	◆ Building C 1.6				
	<u>40.0</u>				
SCTP	Plum Creek Apartments 1103 NE 83rd St	SCTP	City of Vancouver Fire Station 11 ◆ 9606 NE 130th Ave 2.7		
	◆ Building A 9.6	SCTP	Columbia Veterinary Center ◆ 5106 NE 78th St 2.2		
	◆ Building B 9.6				
	◆ Building C 4.0	SCTP	Felida Village 3602 NW 119th St ◆ Cork and Bubbles 0.3		
	◆ Building D 4.8				
	◆ Building E 3.2	SCTP	Pacific Cataract & Laser Institute ◆ 9309 NE 86th St 2.4		
	◆ Building F 3.2				
	◆ Building G 4.0				
	◆ Building H 3.2				
	◆ Building I 3.2				
	<u>44.8</u>				
SCTP	Prairie Home Apartments 12101 NE 116th St	SCTP	Pactrust Corporate Park 4215 NE 78th St ◆ Shell Bldg 1 1.0		
	◆ Building A 19.2				
	◆ Building B 19.2				
	◆ Building D 19.2				
	◆ Building E 19.2				
	◆ Building F 19.2				
	<u>96.0</u>				
SCTP	The Vale Cottages 11903 NE 57th Ct 11905 NE 57th Ct 11907 NE 57th Ct 11909 NE 57th Ct		7607 NE 39th Ave ◆ Shell Bldg 4 1.0		<u>4.0</u>
	1.0				
	1.0				
	1.0				
	1.0				
	<u>4.0</u>				

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CLARK REGIONAL WASTEWATER DISTRICT
MEADOWGLADE AREA
SALMON CREEK TREATMENT PLANT
SEWER CONNECTION REPORT

Year: Jan 2022 - Dec 2022

Month	New Residential	Total Residential	Multi Family/ Guesthomes (*.8)	Total Res/ Multi-Family	New Commercial	Total Commercial	Grand Total ERU's	<u>Line Construction</u>		Total Line Construction	Total Miles
	Developer	District									
Balance Forward	ERU's	752.0		4.0		184.4	940.4			30855	5.8
Jan	0.0	752.0	0.0	4.0	0.0	184.4	940.4	0	0	30855	5.8
Feb	1.0	753.0	0.0	4.0	0.0	184.4	941.4	0	0	30855	5.8
Mar	1.0	754.0	0.0	4.0	0.0	184.4	942.4	0	0	30855	5.8
Apr	1.0	755.0	0.0	4.0	0.0	184.4	943.4	0	0	30855	5.8
May	0.0	755.0	0.6 ♦	4.6	0.0	184.4	944.0	0	0	30855	5.8
Jun	1.0	756.0	0.0	4.6	0.0	184.4	945.0	0	0	30855	5.8
Jul	0.0	756.0	0.0	4.6	0.0	184.4	945.0	0	0	30855	5.8
Aug	0.0	756.0	0.0	4.6	1.0 ♦	185.4	946.0	0	0	30855	5.8
Sep	0.0	756.0	0.0	4.6	0.0	185.4	946.0	0	0	30855	5.8
Oct	0.0	756.0	0.0	4.6	0.0	185.4	946.0	0	0	30855	5.8
Nov	1.0	757.0	0.0	4.6	0.0	185.4	947.0	0	0	30855	5.8
Dec	1.0	758.0	0.0	4.6	0.0	185.4	948.0	0	0	30855	5.8
Subtotals	6.0		0.6		1.0			0	0		
Total ERU's		758.0		4.6		185.4	948.0			30855	5.8

♦ See reverse for explanation

May

SCTP MG New ADU Existing Home
◆ 10300 NE 189th St 0.6
 0.6

August

SCTP MG Concrete Specialty Supply
◆ 1111 SW 40th St 1.0
 1.0

CLARK REGIONAL WASTEWATER DISTRICT
HOCKINSON AREA
SALMON CREEK TREATMENT PLANT
SEWER CONNECTION REPORT

Year: Jan 2022 - Dec 2022

Month	New Residential	Total Residential	Multi Family/ Guesthomes (* .8)	Total Res/ Multi-Family	New Commercial	Total Commercial	Grand Total ERU's	Line Construction Developer	Line Construction District	Total Line Construction	Total Miles
Balance Forward	ERU's	76.0		0.0		137.3	212.3			7061	1.3
Jan	0.0	76.0	0.0	0.0	0.0	137.3	213.3	0	0	7061	1.3
Feb	0.0	76.0	0.0	0.0	1.8 ♦	139.1	215.1	0	0	7061	1.3
Mar	0.0	76.0	0.0	0.0	0.0	139.1	215.1	0	0	7061	1.3
Apr	0.0	76.0	0.0	0.0	0.0	139.1	215.1	0	0	7061	1.3
May	0.0	76.0	0.0	0.0	0.0	139.1	215.1	0	0	7061	1.3
Jun	0.0	76.0	0.0	0.0	0.0	139.1	215.1	0	0	7061	1.3
Jul	0.0	76.0	0.0	0.0	0.0	139.1	215.1	0	0	7061	1.3
Aug	0.0	76.0	0.0	0.0	0.0	139.1	215.1	0	0	7061	1.3
Sep	0.0	76.0	0.0	0.0	0.0	139.1	215.1	0	0	7061	1.3
Oct	0.0	76.0	0.0	0.0	0.0	139.1	215.1	0	0	7061	1.3
Nov	0.0	76.0	0.0	0.0	0.0	139.1	215.1	0	0	7061	1.3
Dec	0.0	76.0	0.0	0.0	0.0	139.1	215.1	0	0	7061	1.3
Subtotals				1.8				0	0		
Total ERU's		76.0		0.0		139.1	215.1			7061	1.3

♦ See reverse for explanation

February
SCTP H Heritage Bible Church
16391 NE 182nd Ave
♦ Cloverlane

1.8
1.8

**CLARK REGIONAL WASTEWATER DISTRICT
RIDGEFIELD AREA
SALMON CREEK TREATMENT PLANT
SEWER CONNECTION REPORT**

Year: Jan 2022 - Dec 2022

Month	New Residential	Total Residential	Multi Family/ Guesthomes (* .8)	Total Res/ Multi-Family	New Commercial	Total Commercial	Grand Total ERU's	Line Construction		Total Line Construction	Total Miles
Balance Forward	ERU's			2703.0		396.0		326.9	3547.9		309205.0 58.6
Jan	29.0	2732.0	0.0	357.6	2.0 ♦	324.9	3414.5	471.0	0.0	307114.0	58.2
Feb	25.0	2757.0	0.0	357.6	1.0 ♦	325.9	3440.5	1700.0	0.0	308814.0	58.5
Mar	27.0	2784.0	38.4 ♦	396.0	0.0	325.9	3505.9	0.0	391.0	309205.0	58.6
Apr	41.0	2825.0	0.0	396.0	1.0 ♦	326.9	3547.9	0.0	0.0	309205.0	58.6
May	44.0	2869.0	0.0	396.0	1.1 ♦	328.0	3593.0	9838.0	0.0	319043.0	60.4
Jun	21.0	2890.0	0.0	396.0	0.0	328.0	3614.0	794.0	0.0	319837.0	60.6
Jul	20.0	2910.0	0.0	396.0	0.0	328.0	3634.0	0.0	0.0	319837.0	60.6
Aug	19.0	2929.0	0.0	396.0	5.2 ♦	333.2	3658.2	484.0	0.0	320321.0	60.7
Sep	11.0	2940.0	0.0	396.0	1.0 ♦	334.2	3670.2	0.0	0.0	320321.0	60.7
Oct	6.0	2946.0	0.0	396.0	0.0	334.2	3676.2	0.0	0.0	320321.0	60.7
Nov	5.0	2951.0	0.0	396.0	2.5 ♦	336.7	3683.7	0.0	0.0	320321.0	60.7
Dec	9.0	2960.0	0.0	396.0	2.6 ♦	339.3	3695.3	5888.0	0.0	326209.0	61.8
Subtotals	257.0		38.4		16.4			19175.0	0.0		
Total ERU's		2960.0		396.0		339.3	3695.3			326209	61.8

♦ See next page for explanation

January			August			December		
SCTP R	Wisdom Ridge Business Park 5645 S 11th St		SCTP R	Pioneer Village 4315 S Settler Dr		SCTP R	Ridgefield Storage 1313 S Timms Rd	
◆	Shell Bldg 1	1.0	◆	Copper Bell Bookshop	0.2	◆	TLC Towing	0.6
◆	Shell Bldg 2	<u>1.0</u>				◆	1317 S Timms Rd	
		<u>2.0</u>	SCTP R	Energy Electric SP 27300 NE 10th Ave		◆	Ridgefield Storage RV	<u>2.0</u>
February								
SCTP R	Pioneer Village 4411 S Settler Dr		◆	Shell Building	1.0			
◆	Shell Bldg 14	<u>1.0</u>	◆	27304 NE 10th Ave				
		<u>1.0</u>	◆	Shell Building	1.0			
March								
SCTP R	Kennedy Farms Ph 3 4208 S Kennedy Dr		◆	27308 NE 10th Ave		◆	Shell Building	
◆	Duplex	1.0	◆	27312 NE 10th Ave		◆	27316 NE 10th Ave	
			◆	27316 NE 10th Ave		◆	Shell Building	<u>1.0</u>
SCTP R	Legacy Trails Apartments ◆ 544 S Royle Rd Bldg G	<u>19.2</u>						<u>5.2</u>
◆	544 S Royle Rd Bldg H	<u>19.2</u>	SCTP R	September Ridgefield Industrial Center 6547 S 5th St		◆	Shell Building	<u>1.0</u>
		<u>39.4</u>				◆		<u>1.0</u>
April								
SCTP R	Ridgefield Commerce Center 5810 S 11th St		SCTP R	November Energy Electric SP 27300 NE 10th Ave		SCTP R		
◆	Camp Bow Wow	<u>1</u>		◆	Windsor Engineering			
		<u>1.0</u>	SCTP R	Pioneer Village 4312 S Settler Dr		◆	Shell Building 3	
SCTP R	May Pioneer Village 4320 S Settler Dr	<u>1.1</u>				◆		<u>1.0</u>
◆	Pioneer Nail & Salon	<u>1.1</u>						<u>2.5</u>