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February 12, 2025

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

RE: 2024 Infiltration and Inflow Report
WA0023639

Dear Ms. Mckittrick:

Enclosed you will find the 2024 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,

A handwritten signature in blue ink, appearing to read "Heath Henderson".

Heath Henderson, PE
Collection Infrastructure Director

Enclosure

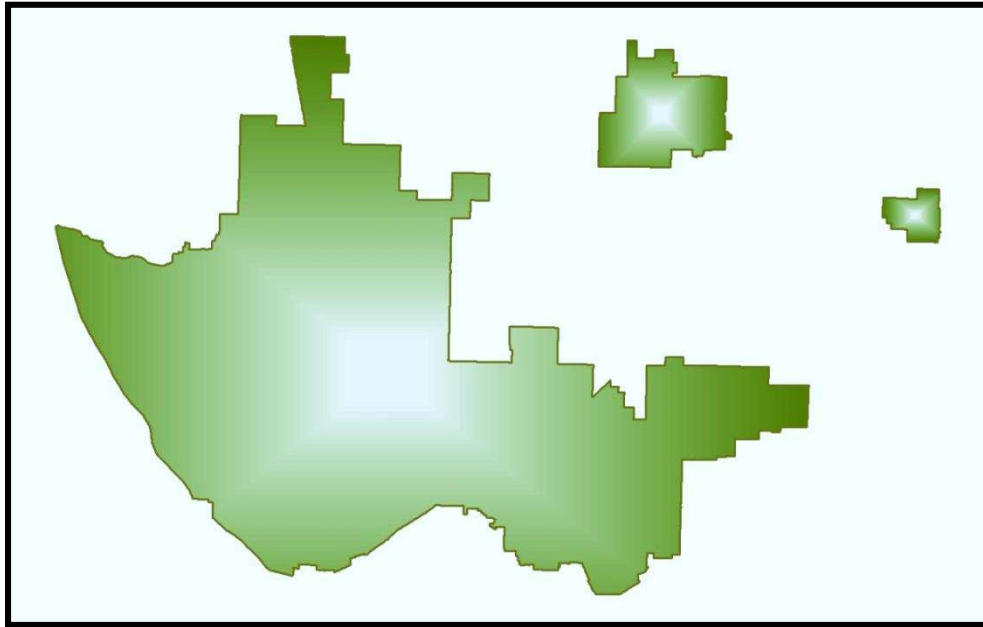
c: Steven Ogle, Water Quality Program Manager, Washington State Dept. of Ecology
Bolun Wang, Municipal Facilities Manager, Washington State Dept. of Ecology
Mark Herceg, Public Works Director, City of Battle Ground
John Peterson, General Manager, District
Matt Jenkins, Wastewater Treatment Plant Operations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



2024

Clark Regional Wastewater District

Infiltration and Inflow Report For Salmon Creek Treatment Plant



February 12, 2025

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





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2024 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 started 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 0.66 MGD (4,365 Equivalent Residential Units (ERUs)). The Ridgefield Treatment Plant processes the remaining flow generated in Ridgefield. In addition, approximately 850,000 gpd (average daily flow) of District flow is sent to the Vancouver Westside Treatment plant. During the months of January, February and December 2024, the District shifted an additional 550,000 gpd to the Vancouver Westside Treatment plant from the Salmon Creek Treatment Plant. These flow adjustments associated with Salmon Creek are 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 68 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 83 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 2024, the Salmon Creek Treatment Plant served approximately 46,718 ERUs, with a population equivalent of roughly 113,524 in the Salmon Creek tributary area, which includes the City of Ridgefield, with 4,143 ERUs, or a population equivalent of about 10,067.

Appendix A shows that the District's 2024 I/I of 2.88 MGD represents a 162% increase compared to the 2003 base year. However, this base year has been used for many past I&I reports. 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 2024. That data shows that 2000, 2013 and 2019 represent the lowest I/I years on record. The highest I/I (2.75 MPG) occurred in 2015 when the area received record rainfall in December 2015. The District's I/I averaged 1.63 MGD over the past 25 years. The Salmon Creek Treatment Plant experienced higher flows in December 2023 (8.47 MGD) and January 2024 (9.51 MGD) when the area received over 16 inches of rain during those two months. Considering the generally consistent system response over the past 28 years and high rainfall amounts contributing to the high flow of 9.51 MGD in January as compared to the low flow of 6.63 MGD during the year, the 2024 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

1997-2024 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	6.62	8.52	1.90	32.62
2023	6.75	8.68	1.93	33.94
2024	6.63	9.51	2.88	37.72
Average			1.63	36.39

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. The District also monitored flow at six strategic locations in the service area in 2022 and 2023 in anticipation of recalibrating the hydraulic model in support of a General Sewer Plan update in 2025.

REHABILITATION

The District inspects all gravity mains and trunk sewers with CCTV cameras a minimum of every six years (recently changed from 8 years) to assess condition, I/I and other related issues. Over 90% of the District gravity system is considered in good condition. The District also performs regular inspections of nearly 80 pump stations. Results help inform the District's Capital Program, which includes a "Repair" program component. Over \$2 million is budgeted for this program on an annual basis. These programs provide for completion



of specific projects targeting the reduction of I/I in the system as well as overall system performance. Typical annual 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 bidding and completed by experienced contractors. Over \$800,000 was spent in 2024 lining various sections of gravity sewers.
- Spot repair projects – CCTV inspections of pipes as well as routine maintenance inspections on pump stations, can reveal pipe and/or structure connection deficiencies that result in I&I. Depending on the project scope, These projects are advertised for bids or completed by District crews. Seven mainline and nine lateral repairs were completed in 2024.
- Pump Station Upgrades – Condition assessments identify the need for Pump Station repairs and upgrades. Two pump stations were upgraded in 2024, and design was initiated on several others.

APPENDIX A

ANNUAL INFILTRATION/INFLOW (I/I) REPORT

Salmon Creek Wastewater Treatment Plant

ANNUAL INFILTRATION/INFLOW (I/I) REPORT

Reporting Year: **From:** 2022 **To:** 2024

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	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year		
	2022	2023	2024	2022	2023	2024	2022	2023	2024	2022	2023	2024	
January	8.11	7.84	9.51	4.30	3.91	8.72	107073	110450	113712	1373	5700	1670	
February	7.27	7.57	7.79	3.22	2.35	3.64	107337	110684	113942	2175	13931	0	
March	7.78	8.12	8.22	2.27	4.43	2.84	107666	110874	114192	3881	4630	0	
April	7.89	8.68	7.31	4.87	4.55	1.44	107883	110966	114476	22	677	20120	
May	7.78	7.40	7.56	3.74	0.69	2.54	108142	111177	114743	11925	11456	3523	
June	7.84	7.03	7.08	2.07	0.51	0.89	108325	111370	114934	794	6976	7404	
July	6.84	6.82	6.64	0.18	0.00	0.19	108518	111674	115024	1316	0	1547	
August	6.66	6.75	6.77	0.00	0.68	0.21	108677	112196	115142	1136	5875	3722	
September	6.62	6.82	6.63	0.45	1.72	0.51	108781	112432	115300	0	6254	7303	
October	6.77	6.98	6.66	1.04	2.14	3.33	108885	112552	115557	0	7344	3668	
November	7.33	7.27	8.11	4.54	5.16	7.34	109162	100329	116121	0	11171	2603	
December	8.52	8.47	7.81	5.94	7.80	6.07	110178	100804	116937	37588	2239	5706	
TOTAL	89.40	89.73	90.08	32.62	33.94	37.72				Total (feet)	60210	76253	57266
Low	6.62	6.75	6.63							Total (miles)	11.40	14.44	10.85
High	8.52	8.68	9.51										
Average	7.45	7.48	7.51										
I/I	1.90	1.93	2.88										

1.93

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
2022	1.90	73	17
2023	1.93	75	17
2024	2.88	162	25



Comments:

Heath H. Henderson

 Heath H. Henderson, PE
 District Engineer

APPENDIX B

FLOW ANALYSIS DATA

Salmon Creek Wastewater Management System - Clark Regional Wastewater District

ANNUAL INFILTRATION/INFLOW REPORT 1/1/2024 to 12/31/2024

FLOW AND PRECIPITATION DATA

		Average Monthly Flow (MGD)						Total Monthly Precipitation (Inches)					
MONTH	Year	Year						Year					
	2019	2020	2021	2022	2023	2024	2019	2020	2021	2022	2023	2024	
January	6.61	7.65	8.30	8.11	7.84	9.51	3.40	7.10	6.56	4.30	3.91	8.72	
February	7.09	7.67	8.40	7.27	7.57	7.79	6.26	1.66	3.28	3.22	2.35	3.64	
March	6.51	6.62	7.25	7.78	8.12	8.22	1.26	2.30	1.39	2.27	4.43	2.84	
April	6.86	6.71	6.80	7.89	8.68	7.31	2.42	0.60	0.43	4.87	4.55	1.44	
May	6.31	6.72	6.65	7.78	7.40	7.56	1.20	1.87	1.60	3.74	0.69	2.54	
June	6.27	6.89	6.74	7.84	7.03	7.08	1.09	2.63	1.99	2.07	0.51	0.89	
July	6.08	6.37	6.43	6.84	6.82	6.64	0.44	0.04	0.00	0.18	0.00	0.19	
August	6.02	6.35	6.41	6.66	6.75	6.77	0.51	0.31	0.03	0.00	0.68	0.21	
September	6.41	6.42	6.74	6.62	6.82	6.63	1.51	1.27	3.30	0.45	1.72	0.51	
October	6.25	6.38	6.89	6.77	6.98	6.66	1.78	1.52	4.43	1.04	2.14	3.33	
November	6.12	7.19	7.93	7.33	7.27	8.11	1.31	5.63	5.90	4.54	5.16	7.34	
December	6.65	7.35	8.25	8.52	8.47	7.81	5.26	5.38	6.18	5.94	7.80	6.07	
Avg Flow / Total Rain	6.43	6.86	7.23	7.45	7.48	7.51	26.44	30.31	35.09	32.62	33.94	37.72	
Low Month	6.02	6.35	6.41	6.62	6.75	6.63	0.44	0.04	0.00	0.00	0.00	0.19	
High Month	7.09	7.67	8.40	8.52	8.68	9.51	6.26	7.10	6.56	5.94	7.80	8.72	

POPULATION AND SEWER LINE DATA

Population Served (Population Equivalent)		Sewer Lines Added (Feet)
MONTH	Year	Year
	2024	2024
January	113712	1670
February	113942	0
March	114192	0
April	114476	20120
May	114743	3523
June	114934	7404
July	115024	1547
August	115142	3722
September	115300	7303
October	115557	3668
November	116121	2603
December	116937	5706
Present Equivalent	116937	Total (feet)
		57266
		Total (miles)
		10.85

Comments: Measured data presented in this report reflects the Clark Regional Wastewater District's capacity usage only. Battle Ground usage is reported separately.
Beginning Balance of Population Served was 113,524

Salmon Creek Wastewater Management System - Clark Regional Wastewater District

ANNUAL INFILTRATION/INFLOW REPORT

1/1/2024 to 12/31/2024

DETERMINATION OF NON EXCESSIVE INFILTRATION

EPA Infiltration Criteria 120 gpcd
 District Infiltration 68 gpcd

Period	Flow	Rain	Population Equivalent
Mar 13	8.00	0.00	114192
Mar 14	7.69	0.00	114192
Mar 15	7.85	0.00	114192
Mar 16	7.73	0.00	114192
Mar 17	7.90	0.00	114192
Mar 18	7.71	0.00	114192
Mar 19	7.50	0.00	114192
Average Flow (MGD)	7.77	0.00	Inches Rain

Comments: The seven day period of March 13 through March 19, 2024 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 83 gpcd

Period	Flow	Rain	Population Equivalent
Nov 18	8.11	0.47	116121
Nov 19	8.82	0.61	116121
Nov 20	9.63	0.61	116121
Nov 21	8.04	0.06	116121
Nov 22	8.83	0.64	116121
Nov 23	8.89	0.30	116121
Nov 24	9.52	1.21	116121
Highest Average Flow (MGD)	9.63	1.21	Inches Rain

Comments: The seven day period of November 18 through November 24, 2024 was identified as a period of significant rainfall with surface ponding and runoff. November 20 was the highest recorded daily flow during a storm event.

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Salmon Creek Wastewater Management System - Clark Regional Wastewater District

ANNUAL INFILTRATION/INFLOW REPORT 1/1/2024 to 12/31/2024

INFILTRATION/INFLOW SUMMARY

Year	I/I	% Over Base I/I	% of Max Design Flow
2019	1.07	-3%	9%
2020	1.32	20%	11%
2021	1.98	80%	17%
2022	1.90	73%	17%
2023	1.93	75%	17%
2024	2.88	162%	25%

Base Year: 2003

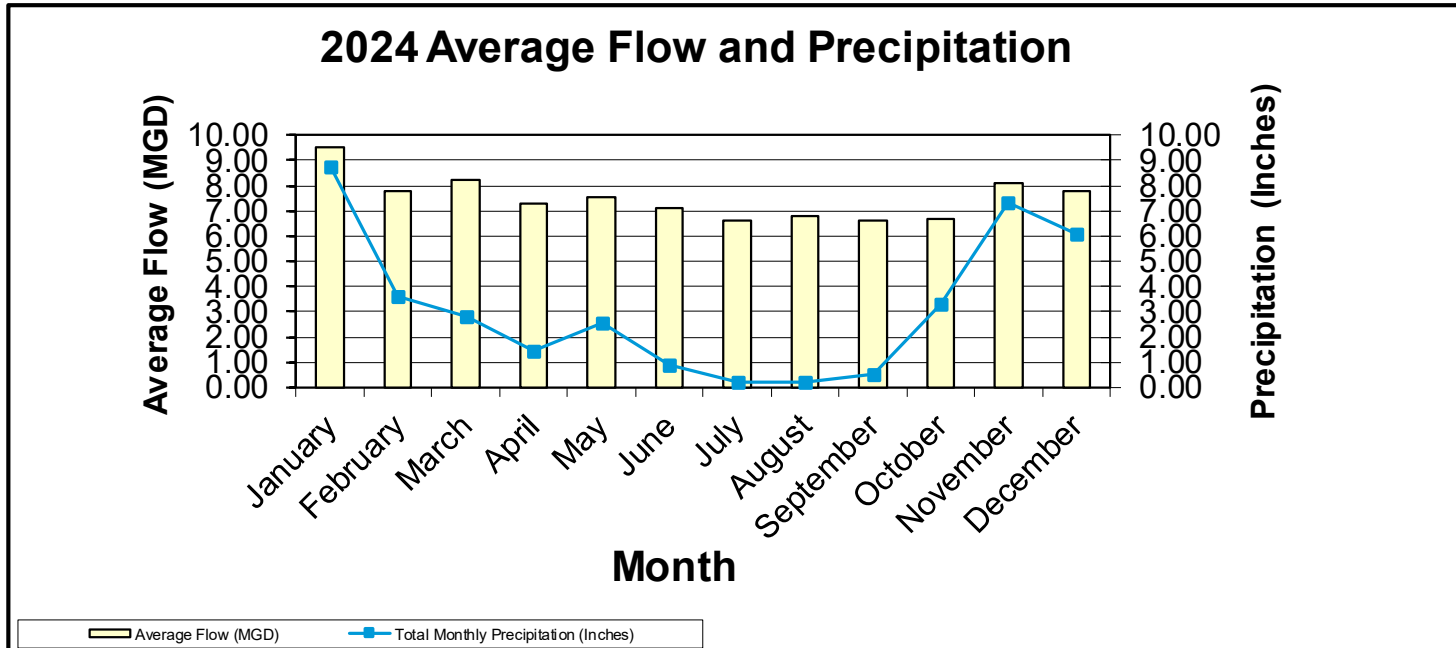
I/I: 1.1

PLANT DESIGN CAPACITY

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

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Comments: See Overview for I/I discussion.



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	Hockinson GPD	Meadow Glade GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
1/1/2024	25600	274900	2.29	1.99	9.56	0.00	0.00	7.57
1/2/2024	39400	242300	2.24	1.96	9.71	0.00	0.15	7.75
1/3/2024	39500	269300	2.42	2.11	9.65	0.14	0.19	7.54
1/4/2024	44900	287600	2.64	2.31	10.23	0.47	0.26	7.92
1/5/2024	47100	305800	2.70	2.35	9.96	0.26	0.26	7.61
1/6/2024	54700	355600	3.39	2.98	11.82	0.21	0.55	8.84
1/7/2024	44100	328400	3.43	3.06	12.36	0.42	0.04	9.30
1/8/2024	70100	356400	3.91	3.48	12.19	0.47	0.68	8.71
1/9/2024	87100	387900	4.60	4.13	14.07	0.90	0.71	9.94
1/10/2024	79200	368400	4.76	4.31	15.28	1.40	0.42	10.97
1/11/2024	59400	289100	3.99	3.64	14.13	0.52	0.16	10.49
1/12/2024	47500	268500	3.52	3.21	13.00	0.30	0.00	9.79
1/13/2024	35500		3.22	3.19	11.96	0.00	0.00	8.77
1/14/2024	26600		2.73	2.70	11.55	0.35	0.00	8.85
1/15/2024	25500	601800	2.54	1.91	11.07	0.00	0.15	9.16
1/16/2024	29000	208300	2.58	2.34	10.71	0.00	0.00	8.37
1/17/2024	47700	250100	3.15	2.85	11.21	0.38	0.18	8.36
1/18/2024	75200	363700	4.79	4.35	15.69	0.73	1.12	11.34
1/19/2024	51600	283100	3.65	3.32	14.70	0.69	0.16	11.38
1/20/2024	48800	271600	3.45	3.13	13.32	0.00	0.34	10.19
1/21/2024	53200	316000	3.84	3.47	14.24	0.27	0.63	10.77
1/22/2024	59800	309100	3.86	3.50	14.32	0.53	0.00	10.82
1/23/2024	58600	281900	3.64	3.30	13.47	0.57	0.09	10.17
1/24/2024	55800	327300	3.87	3.49	13.39	0.33	0.70	9.90
1/25/2024	53000	278700	3.56	3.22	13.19	0.62	0.02	9.97
1/26/2024	65200	355500	4.15	3.73	12.49	0.05	0.90	8.76
1/27/2024	58800	358700	4.46	4.05	15.80	1.27	0.90	11.75
1/28/2024	39000	263700	3.40	3.09	14.84	0.39	0.03	11.75
1/29/2024	45100	242300	3.13	2.85	12.77	0.01	0.00	9.92
1/30/2024	41500	224900	2.88	2.62	11.48	0.04	0.03	8.86
1/31/2024	37400	210100	2.74	2.49	10.96	0.02	0.05	8.47
Total	1545900	8881000	105.53	95.11	389.12	11.34	8.72	294.01
Min**	25500	208300	2.24	1.91	9.56	0.00	0.00	7.54
Max	87100	601800	4.79	4.35	15.80	1.40	1.12	11.75
Average	49868	306241	3.40	3.07	12.55	0.37	0.28	9.48

*1/14-1/15 Meadow Glade Flow Meter Malfunctioned, per BG Report provided 2/1/2024

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Hockinson GPD	Meadow Glade GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
2/1/2024	35200	200100	2.63	2.39	10.50	0.05	0.00	8.11
2/2/2024	33000	184300	2.32	2.10	10.03	0.03	0.00	7.93
2/3/2024	32600	182600	2.34	2.13	10.03	0.00	0.00	7.90
2/4/2024	22400	195500	2.28	2.06	10.13	0.00	0.02	8.07
2/5/2024	36800	198300	2.43	2.19	9.83	0.06	0.09	7.64
2/6/2024	39900	215700	2.44	2.18	9.97	0.41	0.12	7.79
2/7/2024	36700	209200	2.37	2.12	9.75	0.11	0.04	7.63
2/8/2024	37100	215700	2.38	2.13	9.47	0.04	0.09	7.34
2/9/2024	39400	205500	2.24	1.99	9.60	0.23	0.07	7.61
2/10/2024	25900	220100	2.42	2.18	9.67	0.04	0.00	7.49
2/11/2024	24300	213600	2.29	2.05	9.77	0.05	0.04	7.72
2/12/2024	36900	207300	2.28	2.04	9.29	0.08	0.01	7.25
2/13/2024	35400	199900	2.12	1.88	9.26	0.01	0.00	7.38
2/14/2024	42600	230300	2.34	2.06	9.19	0.00	0.86	7.13
2/15/2024	37900	243600	2.57	2.29	10.64	0.52	0.29	8.35
2/16/2024	37000	231800	2.48	2.21	10.12	0.12	0.01	7.91
2/17/2024	26900	223000	2.35	2.10	10.07	0.00	0.05	7.97
2/18/2024	27700	224000	2.33	2.08	10.06	0.08	0.14	7.98
2/19/2024	23900	228700	2.35	2.10	10.15	0.03	0.05	8.05
2/20/2024	38500	229400	2.33	2.07	9.71	0.19	0.27	7.64
2/21/2024	42300	243200	2.39	2.10	10.05	0.25	0.05	7.95
2/22/2024	39500	228300	2.36	2.09	9.71	0.10	0.02	7.62
2/23/2024	36500	213800	2.16	1.91	9.43	0.00	0.00	7.52
2/24/2024	22500	214100	2.16	1.92	9.48	0.01	0.00	7.56
2/25/2024	26000	248800	2.34	2.06	9.73	0.00	0.23	7.67
2/26/2024	44800	274700	2.41	2.09	9.95	0.41	0.10	7.86
2/27/2024	40100	259900	2.32	2.02	9.60	0.15	0.04	7.58
2/28/2024	60500	338800	2.98	2.58	9.72	0.10	0.69	7.14
2/29/2024	76700	334100	3.81	3.40	12.82	1.20	0.36	9.42
Total	1059000	6614300	70.21	62.54	287.73	4.27	3.64	225.19
Min	22400	182600	2.12	1.88	9.19	0.00	0.00	7.13
Max	76700	338800	3.81	3.40	12.82	1.20	0.86	9.42
Average	36517	228079	2.42	2.16	9.92	0.15	0.13	7.77

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Hockinson GPD	Meadow Glade GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
3/1/2024	62000	318400	3.59	3.21	13.07	0.59	0.27	9.86
3/2/2024	40800	269900	3.31	2.99	13.09	0.39	0.19	10.10
3/3/2024	42000	270900	3.35	3.03	12.64	0.16	0.15	9.61
3/4/2024	48500	266200	3.21	2.89	12.65	0.46	0.08	9.76
3/5/2024	48100	231600	2.90	2.62	12.08	0.16	0.01	9.46
3/6/2024	38600	237000	2.70	2.43	11.36	0.02	0.00	8.93
3/7/2024	39100	211700	2.49	2.24	10.82	0.00	0.00	8.58
3/8/2024	36800	210200	2.37	2.12	10.37	0.00	0.00	8.25
3/9/2024	23000	192500	2.20	1.99	10.12	0.02	0.09	8.13
3/10/2024	26800	218300	2.44	2.19	10.59	0.11	0.34	8.40
3/11/2024	41500	227400	2.49	2.22	10.60	0.18	0.28	8.38
3/12/2024	42200	225100	2.56	2.29	10.51	0.38	0.03	8.22
3/13/2024	35600	224800	2.38	2.12	10.12	0.12	0.00	8.00
3/14/2024	38100	208700	2.41	2.16	9.85	0.00	0.00	7.69
3/15/2024	34800	202900	2.06	1.82	9.67	0.00	0.00	7.85
3/16/2024	27500	216900	2.19	1.95	9.68	0.00	0.00	7.73
3/17/2024	24800	227500	2.15	1.90	9.79	0.00	0.00	7.90
3/18/2024	32900	233600	2.05	1.79	9.50	0.00	0.00	7.71
3/19/2024	31400	231700	2.00	1.73	9.23	0.00	0.00	7.50
3/20/2024	32800	231000	1.97	1.70	9.06	0.00	0.02	7.36
3/21/2024	33300	221600	1.99	1.74	9.05	0.12	0.00	7.31
3/22/2024	35000	248200	2.06	1.78	9.00	0.05	0.00	7.22
3/23/2024	22300	234800	2.02	1.76	9.36	0.12	0.25	7.60
3/24/2024	22100	242300	2.02	1.76	9.89	0.24	0.08	8.13
3/25/2024	34000	257500	2.17	1.88	9.53	0.06	0.14	7.65
3/26/2024	38200	244500	2.18	1.90	9.52	0.27	0.24	7.62
3/27/2024	45400	297800	2.68	2.33	10.40	0.22	0.51	8.07
3/28/2024	40700	286800	2.74	2.41	10.64	0.54	0.16	8.23
3/29/2024	39400	270800	2.47	2.16	10.26	0.20	0.00	8.10
3/30/2024	24300	258500	2.38	2.10	10.11	0.00	0.00	8.01
3/31/2024	23800	243200	2.18	1.92	9.73	0.00	0.00	7.81
Total	1105800	7462300	75.69	67.13	322.29	4.41	2.84	255.16
Min	22100	192500	1.97	1.70	9.00	0.00	0.00	7.22
Max	62000	318400	3.59	3.21	13.09	0.59	0.51	10.10
Average	35671	240719	2.44	2.17	10.40	0.14	0.09	8.23

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Hockinson GPD	Meadow Glade GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
4/1/2024	21400	230200	2.05	1.80	9.26	0.00	0.00	7.46
4/2/2024	21200	221800	1.99	1.75	8.93	0.00	0.01	7.18
4/3/2024	23900	223800	1.99	1.75	8.89	0.09	0.02	7.14
4/4/2024	22500	223900	1.99	1.75	8.87	0.03	0.10	7.12
4/5/2024	22700	233600	2.02	1.77	8.85	0.10	0.07	7.08
4/6/2024	42700	267400	2.43	2.12	9.50	0.24	0.19	7.38
4/7/2024	34200	266200	2.33	2.03	10.22	0.77	0.05	8.19
4/8/2024	40500	267100	2.31	2.00	9.71	0.06	0.00	7.71
4/9/2024	36200	238800	2.15	1.87	9.33	0.00	0.10	7.46
4/10/2024	35000	241100	2.10	1.83	9.19	0.05	0.00	7.36
4/11/2024	34900	233500	2.09	1.82	9.14	0.00	0.03	7.32
4/12/2024	35400	225300	1.99	1.73	9.01	0.03	0.00	7.28
4/13/2024	22400	221500	1.96	1.72	9.08	0.00	0.00	7.36
4/14/2024	23700	216600	1.95	1.71	9.29	0.00	0.00	7.58
4/15/2024	35500	219600	1.91	1.65	8.95	0.00	0.00	7.30
4/16/2024	31400	212300	1.84	1.60	8.74	0.02	0.01	7.14
4/17/2024	32200	215700	1.81	1.56	8.62	0.00	0.00	7.06
4/18/2024	29300	204700	1.81	1.57	8.61	0.00	0.00	7.04
4/19/2024	26500	198700	1.71	1.49	8.54	0.00	0.00	7.05
4/20/2024	17800	195900	1.74	1.52	8.64	0.00	0.00	7.12
4/21/2024	20300	220200	1.82	1.58	8.91	0.04	0.00	7.33
4/22/2024	29900	219300	1.80	1.55	8.67	0.00	0.00	7.12
4/23/2024	29800	189100	1.66	1.44	8.44	0.00	0.00	7.00
4/24/2024	27100	201800	1.67	1.44	8.41	0.00	0.01	6.97
4/25/2024	37900	211200	2.05	1.80	9.01	0.13	0.01	7.21
4/26/2024	38500	217400	2.02	1.77	8.90	0.66	0.35	7.13
4/27/2024	24000	206900	1.91	1.68	9.16	0.21	0.02	7.48
4/28/2024	20600	209800	1.93	1.70	9.20	0.08	0.04	7.50
4/29/2024	36000	231700	2.15	1.88	9.14	0.24	0.12	7.26
4/30/2024	46300	255000	2.58	2.28	9.69	0.41	0.31	7.41
Total	899800	6720100	59.79	52.17	270.90	3.16	1.44	218.73
Min	17800	189100	1.66	1.44	8.41	0.00	0.00	6.97
Max	46300	267400	2.58	2.28	10.22	0.77	0.35	8.19
Average	29993	224003	1.99	1.74	9.03	0.11	0.05	7.29

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Hockinson GPD	Meadow Glade GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
5/1/2024	37700	251900	2.34	2.05	9.49	0.69	0.28	7.44
5/2/2024	41000	255200	2.37	2.07	9.68	0.19	0.00	7.61
5/3/2024	44700	242100	2.40	2.11	9.37	0.16	0.57	7.26
5/4/2024	67300	405700	4.22	3.74	12.14	0.88	0.80	8.40
5/5/2024	53600	362100	3.96	3.55	13.73	1.26	0.26	10.18
5/6/2024	50900	309100	3.43	3.07	12.37	0.35	0.04	9.30
5/7/2024	43400	252800	2.96	2.66	11.15	0.20	0.04	8.49
5/8/2024	38900	254700	2.66	2.37	10.39	0.04	0.00	8.02
5/9/2024	40000	260500	2.50	2.20	10.07	0.00	0.00	7.87
5/10/2024	36500	239400	2.26	1.99	9.69	0.00	0.00	7.71
5/11/2024	23700	234900	2.24	1.98	9.57	0.00	0.00	7.59
5/12/2024	21300	225400	2.12	1.87	9.56	0.00	0.00	7.69
5/13/2024	34900	231800	2.12	1.85	9.46	0.00	0.00	7.61
5/14/2024	30500	207700	1.93	1.69	9.13	0.00	0.00	7.44
5/15/2024	28700	216200	1.94	1.69	9.01	0.00	0.00	7.32
5/16/2024	31400	216000	1.90	1.65	8.95	0.00	0.00	7.30
5/17/2024	31500	218100	1.88	1.63	8.75	0.00	0.00	7.12
5/18/2024	20000	224200	1.90	1.66	8.81	0.00	0.06	7.15
5/19/2024	20200	191400	1.70	1.49	9.04	0.02	0.00	7.55
5/20/2024	27700	212000	1.79	1.55	8.79	0.01	0.00	7.24
5/21/2024	36100	218400	2.01	1.76	8.99	0.00	0.33	7.23
5/22/2024	32200	209400	1.96	1.72	9.09	0.69	0.02	7.37
5/23/2024	33100	215200	1.94	1.70	8.82	0.06	0.00	7.12
5/24/2024	28200	200900	1.76	1.53	8.64	0.00	0.00	7.11
5/25/2024	22900	203200	1.79	1.57	8.50	0.00	0.01	6.93
5/26/2024	18100	191600	1.67	1.46	8.35	0.05	0.00	6.89
5/27/2024	21600	227100	1.89	1.64	9.00	0.00	0.00	7.36
5/28/2024	29100	201400	1.76	1.52	8.67	0.00	0.10	7.15
5/29/2024	28900	211100	1.78	1.54	8.57	0.22	0.03	7.03
5/30/2024	27700	196000	1.72	1.50	8.46	0.02	0.00	6.96
5/31/2024	28200	197100	1.66	1.44	8.37	0.00	0.00	6.93
Total	1030000	7282600	68.58	60.26	294.61	4.84	2.54	234.35
Min	18100	191400	1.66	1.44	8.35	0.00	0.00	6.89
Max	67300	405700	4.22	3.74	13.73	1.26	0.80	10.18
Average	33226	234923	2.21	1.94	9.50	0.16	0.08	7.56

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Hockinson GPD	Meadow Glade GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
6/1/2024	23100	197700	1.68	1.46	8.48	0.00	0.00	7.02
6/2/2024	37500	232000	2.31	2.04	9.28	0.00	0.54	7.00
6/3/2024	42400	226700	2.33	2.06	10.26	1.34	0.14	6.97
6/4/2024	40100	216100	2.11	1.85	9.46	0.22	0.01	6.87
6/5/2024	34400	226700	2.00	1.74	9.08	0.01	0.00	7.07
6/6/2024	33500	218500	1.98	1.73	8.93	0.00	0.00	7.16
6/7/2024	32500	204900	1.82	1.59	8.81	0.00	0.00	7.07
6/8/2024	23600	213400	1.85	1.61	8.80	0.00	0.00	6.95
6/9/2024	18900	225700	1.88	1.64	8.99	0.00	0.00	6.96
6/10/2024	28300	219900	1.85	1.60	8.74	0.00	0.00	6.84
6/11/2024	29800	201600	1.71	1.48	8.55	0.00	0.00	6.91
6/12/2024	30200	210200	1.72	1.48	8.48	0.00	0.00	7.00
6/13/2024	27800	198800	1.71	1.49	8.46	0.00	0.00	6.97
6/14/2024	31200	202700	1.73	1.50	8.37	0.00	0.11	6.87
6/15/2024	25900	199100	1.75	1.53	8.60	0.20	0.06	7.07
6/16/2024	24700	192800	1.70	1.49	8.65	0.06	0.00	7.16
6/17/2024	31800	216100	1.79	1.54	8.61	0.00	0.01	7.07
6/18/2024	27000	191700	1.66	1.44	8.39	0.14	0.00	6.95
6/19/2024	18100	209800	1.72	1.49	8.45	0.00	0.00	6.96
6/20/2024	16900	199000	1.72	1.51	8.35	0.00	0.00	6.84
6/21/2024	17000	188900	1.55	1.34	8.25	0.00	0.00	6.91
6/22/2024	17200	193500	1.60	1.39	8.20	0.00	0.00	6.81
6/23/2024	16600	189700	1.63	1.43	8.44	0.00	0.00	7.01
6/24/2024	16000	198300	1.63	1.41	8.35	0.00	0.00	6.94
6/25/2024	23000	199100	1.65	1.43	8.18	0.00	0.00	6.75
6/26/2024	23600	199900	1.52	1.30	8.11	0.00	0.00	6.81
6/27/2024	29000	194000	1.55	1.33	8.08	0.03	0.02	6.75
6/28/2024	26500	186400	1.53	1.32	8.09	0.02	0.00	6.77
6/29/2024	24100	190200	1.56	1.34	8.16	0.00	0.00	6.82
6/30/2024	23000	209500	1.64	1.40	8.32	0.00	0.00	6.92
Total	793700	6152900	52.88	45.93	257.92	2.02	0.89	208.23
Min	16000	186400	1.52	1.30	8.08	0.00	0.00	6.75
Max	42400	232000	2.33	2.06	10.26	1.34	0.54	7.16
Average	26457	205097	1.76	1.53	8.60	0.07	0.03	6.94

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Hockinson GPD	Meadow Glade GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
7/1/2024	16500	192000	1.58	1.37	8.30	0.00	0.00	6.93
7/2/2024	16800	193500	1.57	1.36	8.18	0.00	0.00	6.82
7/3/2024	17300	181000	1.45	1.26	8.07	0.00	0.00	6.81
7/4/2024	16300	205300	1.51	1.29	7.82	0.00	0.00	6.53
7/5/2024	13900	182200	1.48	1.28	7.85	0.00	0.00	6.57
7/6/2024	15400	188800	1.49	1.29	7.94	0.00	0.00	6.65
7/7/2024	17100	191400	1.57	1.36	8.22	0.00	0.00	6.86
7/8/2024	13900	187400	1.53	1.33	8.19	0.00	0.00	6.86
7/9/2024	17700	193800	1.50	1.29	8.01	0.00	0.00	6.72
7/10/2024	19600	191800	1.51	1.29	7.99	0.00	0.00	6.70
7/11/2024	17400	189700	1.52	1.32	8.03	0.00	0.00	6.71
7/12/2024	18200	205200	1.57	1.35	7.98	0.00	0.00	6.63
7/13/2024	15200	203100	1.55	1.33	7.92	0.00	0.00	6.59
7/14/2024	16600	173600	1.43	1.24	8.16	0.00	0.00	6.92
7/15/2024	15800	190400	1.55	1.34	8.14	0.00	0.00	6.80
7/16/2024	15800	218200	1.51	1.28	7.99	0.00	0.00	6.71
7/17/2024	15400	208900	1.46	1.23	7.91	0.00	0.00	6.68
7/18/2024	17800	198200	1.53	1.31	7.88	0.00	0.00	6.57
7/19/2024	15300	208200	1.62	1.40	7.95	0.00	0.00	6.55
7/20/2024	13200	178400	1.41	1.22	7.91	0.00	0.00	6.69
7/21/2024	16300	187800	1.47	1.27	8.09	0.00	0.01	6.82
7/22/2024	16000	191000	1.52	1.31	8.07	0.00	0.00	6.76
7/23/2024	19600	195500	0.40	0.18	7.90	0.00	0.00	7.72
7/24/2024	16300	200300	1.34	1.13	7.86	0.00	0.00	6.73
7/25/2024	16500	212600	1.52	1.29	7.92	0.00	0.00	6.63
7/26/2024	18900	201700	1.53	1.31	7.90	0.00	0.00	6.59
7/27/2024	14900	194900	1.44	1.23	7.89	0.00	0.00	6.66
7/28/2024	15600	191900	1.47	1.26	8.06	0.00	0.00	6.80
7/29/2024	18300	195000	1.55	1.34	5.37	0.03	0.18	4.03
7/30/2024	21500	188600	1.52	1.31	7.76	0.35	0.00	6.45
7/31/2024	17500	189300	0.98	0.77	8.01	0.00	0.00	7.24
Total	516600	6029700	45.09	38.54	245.27	0.38	0.19	206.73
Min	13200	173600	0.40	0.18	5.37	0.00	0.00	4.03
Max	21500	218200	1.62	1.40	8.30	0.35	0.18	7.72
Average	16665	194506	1.45	1.24	7.91	0.01	0.01	6.67

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Hockinson GPD	Meadow Glade GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
8/1/2024	20200	181800	1.50	1.29	8.01	0.00	0.00	6.72
8/2/2024	14900	200200	1.19	0.98	7.91	0.00	0.00	6.93
8/3/2024	14500	185100	1.50	1.30	8.00	0.00	0.00	6.70
8/4/2024	15100	182700	1.48	1.28	8.17	0.00	0.00	6.89
8/5/2024	18900	197100	1.54	1.32	8.21	0.00	0.00	6.89
8/6/2024	15600	176700	1.47	1.27	7.94	0.00	0.00	6.67
8/7/2024	16600	184400	1.47	1.27	7.96	0.00	0.00	6.69
8/8/2024	18500	177800	1.51	1.32	7.96	0.00	0.00	6.64
8/9/2024	16100	182200	1.47	1.28	7.96	0.00	0.00	6.68
8/10/2024	14300	174200	1.49	1.30	7.89	0.00	0.00	6.59
8/11/2024	14800	187500	1.46	1.26	8.16	0.00	0.00	6.90
8/12/2024	18800	192600	1.54	1.32	7.97	0.00	0.00	6.65
8/13/2024	16500	189100	1.47	1.26	7.88	0.02	0.00	6.62
8/14/2024	16100	187600	1.45	1.25	7.77	0.00	0.00	6.52
8/15/2024	16000	188200	1.46	1.25	7.86	0.00	0.00	6.61
8/16/2024	17000	180600	1.41	1.21	7.74	0.00	0.00	6.53
8/17/2024	16400	192500	1.47	1.26	8.16	0.43	0.00	6.90
8/18/2024	15400	205700	1.55	1.33	8.27	0.00	0.00	6.94
8/19/2024	16700	192000	1.52	1.31	7.95	0.00	0.00	6.64
8/20/2024	19000	194400	1.48	1.27	9.19	0.00	0.00	7.92
8/21/2024	19700	192500	1.44	1.23	8.12	0.00	0.00	6.89
8/22/2024	22400	202400	1.32	1.09	7.93	0.20	0.09	6.84
8/23/2024	17800	195900	1.51	1.30	8.13	0.22	0.12	6.83
8/24/2024	14900	197400	1.49	1.28	8.11	0.00	0.00	6.83
8/25/2024	16300	211000	1.57	1.34	8.20	0.00	0.00	6.86
8/26/2024	19100	205700	1.53	1.31	8.12	0.03	0.00	6.81
8/27/2024	20700	195300	1.47	1.26	8.04	0.00	0.00	6.78
8/28/2024	24500	209100	1.51	1.28	7.83	0.00	0.00	6.55
8/29/2024	25800	185600	1.48	1.27	7.82	0.00	0.00	6.55
8/30/2024	24500	183400	1.42	1.21	7.69	0.00	0.00	6.48
8/31/2024	14700	194200	1.46	1.25	7.68	0.00	0.00	6.43
Total	551800	5924900	45.62	39.14	248.63	0.90	0.21	209.49
Min	14300	174200	1.19	0.98	7.68	0.00	0.00	6.43
Max	25800	211000	1.57	1.34	9.19	0.43	0.12	7.92
Average	17800	191126	1.47	1.26	8.02	0.03	0.01	6.76

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Hockinson GPD	Meadow Glade GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
9/1/2024	14600	193000	1.40	1.19	7.63	0.00	0.00	6.44
9/2/2024	15700	226700	1.65	1.40	8.33	0.00	0.00	6.93
9/3/2024	28800	198700	1.54	1.32	7.91	0.11	0.00	6.60
9/4/2024	29200	192300	1.45	1.23	7.87	0.00	0.00	6.64
9/5/2024	28900	197200	1.59	1.36	7.89	0.00	0.00	6.53
9/6/2024	30300	169700	1.32	1.12	7.72	0.00	0.00	6.60
9/7/2024	14300	191800	1.50	1.29	7.87	0.00	0.00	6.58
9/8/2024	17100	208600	1.60	1.37	8.19	0.00	0.00	6.82
9/9/2024	28200	207300	1.52	1.29	8.01	0.00	0.00	6.72
9/10/2024	26200	184800	1.44	1.23	7.96	0.00	0.00	6.73
9/11/2024	30100	203200	1.49	1.26	7.77	0.08	0.00	6.51
9/12/2024	30100	197900	1.49	1.27	7.82	0.06	0.01	6.55
9/13/2024	31300	200500	1.52	1.28	7.71	0.07	0.00	6.43
9/14/2024	14900	174900	1.40	1.21	7.87	0.00	0.09	6.66
9/15/2024	16000	189500	1.51	1.30	8.23	0.06	0.00	6.93
9/16/2024	26600	191800	1.47	1.25	8.01	0.00	0.00	6.76
9/17/2024	29600	203000	1.51	1.28	7.78	0.00	0.00	6.50
9/18/2024	25300	195800	1.48	1.26	7.73	0.02	0.00	6.47
9/19/2024	29400	189600	1.55	1.33	7.79	0.00	0.01	6.46
9/20/2024	30400	185100	1.51	1.29	7.67	0.00	0.00	6.38
9/21/2024	14900	183700	1.52	1.32	7.76	0.00	0.00	6.44
9/22/2024	15800	188800	1.57	1.36	8.07	0.00	0.00	6.71
9/23/2024	29300	204700	1.59	1.36	7.90	0.00	0.00	6.54
9/24/2024	26300	183700	1.50	1.29	7.73	0.00	0.00	6.44
9/25/2024	29000	198500	1.56	1.34	7.91	0.00	0.34	6.57
9/26/2024	27000	182800	1.57	1.36	7.81	0.16	0.00	6.45
9/27/2024	29500	188700	1.53	1.31	7.78	0.00	0.06	6.47
9/28/2024	16900	184100	1.56	1.36	7.93	0.00	0.00	6.57
9/29/2024	17600	204900	1.63	1.40	8.20	0.00	0.00	6.80
9/30/2024	26600	205800	1.54	1.31	7.87	0.00	0.00	6.56
Total	729900	5827100	45.49	38.93	236.72	0.56	0.51	197.79
Min	14300	169700	1.32	1.12	7.63	0.00	0.00	6.38
Max	31300	226700	1.65	1.40	8.33	0.16	0.34	6.93
Average	24330	194237	1.52	1.30	7.89	0.02	0.02	6.59

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Hockinson GPD	Meadow Glade GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
10/1/2024	30200	192500	1.49	1.26	7.65	0.00	0.00	6.39
10/2/2024	27100	197700	1.54	1.32	7.62	0.00	0.00	6.30
10/3/2024	30800	189900	1.54	1.32	7.64	0.00	0.00	6.32
10/4/2024	29500	186500	1.52	1.30	7.82	0.38	0.33	6.52
10/5/2024	16700	184700	1.45	1.24	7.85	0.00	0.00	6.61
10/6/2024	22000	192400	1.54	1.33	8.07	0.00	0.01	6.74
10/7/2024	26700	196900	1.51	1.28	7.61	0.00	0.00	6.33
10/8/2024	26900	175900	1.43	1.23	7.61	0.00	0.00	6.38
10/9/2024	29100	198900	1.44	1.21	7.55	0.00	0.00	6.34
10/10/2024	26100	183100	1.46	1.25	7.59	0.00	0.01	6.34
10/11/2024	17100	188200	1.42	1.22	7.59	0.00	0.00	6.37
10/12/2024	18700	186900	1.47	1.26	7.68	0.00	0.00	6.42
10/13/2024	14300	187300	1.47	1.27	7.99	0.00	0.00	6.72
10/14/2024	26400	207000	1.55	1.31	7.86	0.08	0.05	6.55
10/15/2024	29200	182200	1.47	1.26	7.85	0.32	0.14	6.59
10/16/2024	27900	199600	1.57	1.34	7.92	0.17	0.19	6.58
10/17/2024	27400	177700	1.49	1.29	7.87	0.17	0.06	6.58
10/18/2024	32700	191800	1.54	1.32	7.70	0.16	0.03	6.38
10/19/2024	18200	206000	1.61	1.38	7.80	0.00	0.00	6.42
10/20/2024	18600	171000	1.58	1.39	8.43	0.52	0.42	7.04
10/21/2024	32400	199900	1.74	1.51	8.56	0.11	0.04	7.05
10/22/2024	27500	184400	1.56	1.35	8.02	0.00	0.01	6.67
10/23/2024	25300	181400	1.51	1.30	7.84	0.00	0.01	6.54
10/24/2024	30100	187300	1.55	1.33	7.79	0.00	0.01	6.46
10/25/2024	28100	177300	1.49	1.28	7.68	0.12	0.00	6.40
10/26/2024	21400	190500	1.84	1.63	8.32	0.96	0.89	6.69
10/27/2024	22300	200400	1.98	1.76	9.38	0.21	0.33	7.62
10/28/2024	29300	179100	1.81	1.60	8.77	0.16	0.00	7.17
10/29/2024	30200	177900	1.67	1.46	8.35	0.00	0.00	6.89
10/30/2024	28500	200500	1.89	1.66	8.50	0.51	0.46	6.84
10/31/2024	40100	211000	2.20	1.95	9.14	0.87	0.34	7.19
Total	810800	5885900	49.32	42.63	248.05	4.74	3.33	205.42
Min	14300	171000	1.42	1.21	7.55	0.00	0.00	6.30
Max	40100	211000	2.20	1.95	9.38	0.96	0.89	7.62
Average	26155	189868	1.59	1.38	8.00	0.15	0.11	6.63

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Hockinson GPD	Meadow Glade GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
11/1/2024	37200	186700	2.39	2.16	10.08	0.53	0.52	7.92
11/2/2024	29600	197800	2.31	2.08	9.87	0.34	0.22	7.79
11/3/2024	24700	205900	2.15	1.92	9.90	0.01	0.01	7.98
11/4/2024	36500	226700	2.34	2.08	9.29	0.35	0.09	7.21
11/5/2024	34600	169400	1.80	1.59	9.29	0.10	0.05	7.70
11/6/2024	29000	187800	1.82	1.61	8.91	0.00	0.00	7.30
11/7/2024	30800	188900	1.76	1.54	8.72	0.00	0.01	7.18
11/8/2024	28000	177300	1.67	1.46	8.49	0.00	0.01	7.03
11/9/2024	18100	188300	1.69	1.48	8.41	0.01	0.00	6.93
11/10/2024	19500	188900	1.81	1.60	8.66	0.45	0.42	7.06
11/11/2024	27200	217200	2.20	1.96	9.63	0.39	0.34	7.67
11/12/2024	40800	189000	2.14	1.91	9.39	0.58	0.23	7.48
11/13/2024	48600	212800	2.68	2.42	11.04	0.63	0.69	8.62
11/14/2024	48400	217100	2.73	2.47	10.53	0.38	0.06	8.06
11/15/2024	39700	204500	2.35	2.11	9.93	0.06	0.00	7.82
11/16/2024	42800	227800	2.76	2.49	9.84	1.06	0.36	7.35
11/17/2024	47600	225800	3.09	2.81	11.58	0.36	0.38	8.77
11/18/2024	74700	241000	3.44	3.12	11.23	0.90	0.47	8.11
11/19/2024	73200	236800	3.54	3.23	12.05	0.83	0.61	8.82
11/20/2024	56000	245800	3.18	2.88	12.51	0.02	0.61	9.63
11/21/2024	49100	229300	2.89	2.61	10.65	0.68	0.06	8.04
11/22/2024	58000	261400	3.33	3.01	11.84	0.45	0.64	8.83
11/23/2024	45600	265500	3.20	2.89	11.78	0.47	0.30	8.89
11/24/2024	53300	326800	3.92	3.54	13.06	0.70	1.21	9.52
11/25/2024	50900	306600	3.51	3.15	13.04	0.02	0.01	9.89
11/26/2024	46400	234100	2.69	2.41	11.11	0.02	0.02	8.70
11/27/2024	33400	246100	2.49	2.21	10.71	0.01	0.02	8.50
11/28/2024	28800	263800	2.42	2.13	10.50	0.00	0.00	8.37
11/29/2024	25200	230100	2.18	1.93	9.48	0.00	0.00	7.55
11/30/2024	25500	240800	2.26	2.00	9.63	0.00	0.00	7.63
Total	1203200	6740000	76.76	68.82	311.15	9.35	7.34	242.33
Min	18100	169400	1.67	1.46	8.41	0.00	0.00	6.93
Max	74700	326800	3.92	3.54	13.06	1.06	1.21	9.89
Average	40107	224667	2.56	2.29	10.37	0.31	0.24	8.08

Salmon Creek Wastewater Treatment Plant

Flow and Rainfall Report

Date	Hockinson GPD	Meadow Glade GPD	Total BG Inf MGD	BG Only Inf MGD	SC Inf MGD	BG Rainfall	SC Rainfall	District Total Inf MGD
12/1/2024	25500	236700	2.19	1.93	9.64	0.00	0.01	7.71
12/2/2024	31400	226400	2.08	1.82	9.17	0.00	0.01	7.35
12/3/2024	35500	205200	1.94	1.70	8.84	0.00	0.00	7.14
12/4/2024	32700	219500	1.99	1.74	8.79	0.00	0.00	7.05
12/5/2024	29900	200100	1.87	1.64	8.63	0.00	0.00	6.99
12/6/2024	31000	198700	1.81	1.58	8.49	0.02	0.00	6.91
12/7/2024	38000	235600	2.55	2.28	9.71	0.85	0.68	7.43
12/8/2024	37700	259900	2.78	2.49	10.38	0.13	0.12	7.89
12/9/2024	42700	247300	2.46	2.17	9.80	0.00	0.00	7.63
12/10/2024	39100	246100	2.35	2.06	9.32	0.00	0.00	7.26
12/11/2024	36500	230200	2.20	1.93	9.17	0.03	0.10	7.24
12/12/2024	37800	226800	2.21	1.94	9.16	0.13	0.15	7.22
12/13/2024	49000	261600	2.54	2.23	9.70	0.50	0.44	7.47
12/14/2024	40100	263000	2.53	2.22	10.12	0.13	0.13	7.90
12/15/2024	33500	270100	2.66	2.36	10.08	0.33	0.09	7.72
12/16/2024	44600	264000	2.54	2.23	10.44	0.33	0.44	8.21
12/17/2024	71800	354000	3.91	3.49	12.03	1.28	0.94	8.54
12/18/2024	51400	279200	3.47	3.14	12.94	0.00	0.00	9.80
12/19/2024	47100	246300	3.00	2.71	11.44	0.00	0.21	8.73
12/20/2024	40700	236200	2.68	2.41	10.45	0.02	0.00	8.04
12/21/2024	34800	239000	2.57	2.29	10.36	0.15	0.13	8.07
12/22/2024	32300	277500	2.63	2.32	10.50	0.18	0.28	8.18
12/23/2024	35800	301900	2.80	2.46	10.25	0.32	0.21	7.79
12/24/2024	34600	296500	2.75	2.42	10.97	0.05	0.05	8.55
12/25/2024	58100	367800	3.43	3.00	11.01	1.51	0.00	8.01
12/26/2024	63600	341200	4.23	3.82	13.88	0.60	1.07	10.06
12/27/2024	65200	363200	4.47	4.04	14.35	0.51	0.50	10.31
12/28/2024	42600	270600	3.48	3.16	13.07	0.30	0.08	9.91
12/29/2024	38800	232400	2.98	2.71	12.42	0.23	0.17	9.71
12/30/2024	38000	248600	3.08	2.79	11.94	0.03	0.09	9.15
12/31/2024	32800	228700	2.75	2.49	11.18	0.11	0.17	8.69
Total	1272600	8074300	84.93	75.58	328.23	7.74	6.07	252.65
Min	25500	198700	1.81	1.58	8.49	0.00	0.00	6.91
Max	71800	367800	4.47	4.04	14.35	1.51	1.07	10.31
Average	41052	260461	2.74	2.44	10.59	0.25	0.20	8.15



APPENDIX D

ERU AND SEWER LINE DATA

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

Year: Jan 2024 - Dec 2024

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	Year to Date	
								Developer	District			ERU'S	SCTP - All
Balance Forward		28678.8		7686.4		4722.1	41087.3			2399887	454.5	Res	832.0
Jan	51.0	28729.8	3.2 ♦	7689.6	0.0	4722.1	41141.5	1670	0	2401557	454.8	Multi-Family	477.7 (Actual)
Feb	45.0	28774.8	0.0	7689.6	8.7 ♦	4730.8	41195.2	0	0	2401557	454.8	Res	3.0
Mar	23.0	28797.8	27.0 ♦	7716.6	2.8 ♦	4733.6	41248.0	0	0	2401557	454.8	Multi-Family	1.2 (Actual)
Apr	27.0	28824.8	0.0	7716.6	1.4 ♦	4735.0	41276.4	2452	0	2404009	455.3	Comm	2.0
May	47.0	28871.8	1.0 ♦	7717.6	3.9 ♦	4738.9	41328.3	3523	0	2407532	456.0	Total	6.2
Jun	37.0	28908.8	0.0	7717.6	7.2 ♦	4746.1	41372.5	7404	0	2414936	457.4	RTP	
Jul	18.0	28926.8	0.6 ♦	7718.2	1.0 ♦	4747.1	41392.1	501	0	2415437	457.5	Res	32.0
Aug	21.0	28947.8	0.0	7718.2	1.5 ♦	4748.6	41414.6	0	0	2415437	457.5	Multi-Family	- (Actual)
Sep	34.0	28981.8	1.8 ♦	7720.0	2.2 ♦	4750.8	41452.6	1648	0	2417085	457.8	Comm	-
Oct	42.0	29023.8	0.0	7720.0	0.8 ♦	4751.6	41495.4	3574	0	2420659	458.5	Total	32.0
Nov	17.0	29040.8	193.5 ♦	7913.5	1.7 ♦	4753.3	41707.6	2603	0	2423262	459.0	Permits	
Dec	50.0	29090.8	247.4 ♦	8160.9	15.3 ♦	4768.6	42020.3	3412	0	2426674	459.6	SCTP	863
Subtotals	412.0		474.5		46.5			26787	0			RTP	32
Total ERU's		29090.8		8160.9		4768.6	42020.3			2426674	459.6	VTP	6
												Total	901

♦ See next page for explanation

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

Year: Jan 2024 - Dec 2024

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
	ERU's							Developer	District		
Balance Forward		761.0		5.2		185.4	951.6			30855	5.8
Jan	0.0	761.0	0.0	5.2	0.0	185.4	951.6	0	0	30855	5.8
Feb	1.0	762.0	0.0	5.2	0.0	185.4	952.6	0	0	30855	5.8
Mar	0.0	762.0	0.0	5.2	0.0	185.4	952.6	0	0	30855	5.8
Apr	0.0	762.0	0.0	5.2	0.0	185.4	952.6	0	0	30855	5.8
May	0.0	762.0	0.0	5.2	0.0	185.4	952.6	0	0	30855	5.8
Jun	0.0	762.0	0.6 ♦	5.8	0.0	185.4	953.2	0	0	30855	5.8
Jul	0.0	762.0	0.0	5.8	0.0	185.4	953.2	0	0	30855	5.8
Aug	0.0	762.0	0.0	5.8	0.0	185.4	953.2	0	0	30855	5.8
Sep	0.0	762.0	0.0	5.8	0.0	185.4	953.2	0	0	30855	5.8
Oct	0.0	762.0	0.6 ♦	6.4	0.0	185.4	953.8	0	0	30855	5.8
Nov	0.0	762.0	0.0	6.4	0.0	185.4	953.8	0	0	30855	5.8
Dec	0.0	762.0	0.0	6.4	0.0	185.4	953.8	0	0	30855	5.8
Subtotals	1.0		1.2		0.0			0	0		
Total ERU's		762.0		6.4		185.4	953.8			30855	5.8

♦ See next page for explanation

June
SCTP M Existing home New ADU
◆ 19401 NE 104th Ave 0.6
0.6

October
SCTP M Existing home - New ADU
◆ 11104 NE 183rd St 0.6
0.6



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

Year: Jan 2024 - Dec 2024

Month	New Residential ERU's	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
								Developer	District		
Balance Forward		77.0		0.0		139.1	216.1			7061.0	1.3
Jan	0.0	77.0	0.0	0.0	0.0	139.1	216.1	0.0	0.0	7061.0	1.3
Feb	0.0	77.0	0.0	0.0	0.0	139.1	216.1	0.0	0.0	7061.0	1.3
Mar	0.0	77.0	0.0	0.0	0.0	139.1	216.1	0.0	0.0	7061.0	1.3
Apr	0.0	77.0	0.0	0.0	0.0	139.1	216.1	0.0	0.0	7061.0	1.3
May	0.0	77.0	0.0	0.0	0.0	139.1	216.1	0.0	0.0	7061.0	1.3
Jun	0.0	77.0	0.0	0.0	0.0	139.1	216.1	0.0	0.0	7061.0	1.3
Jul	0.0	77.0	0.0	0.0	0.0	139.1	216.1	0.0	0.0	7061.0	1.3
Aug	0.0	77.0	0.0	0.0	0.0	139.1	216.1	0.0	0.0	7061.0	1.3
Sep	0.0	77.0	0.0	0.0	0.0	139.1	216.1	0.0	0.0	7061.0	1.3
Oct	0.0	77.0	0.0	0.0	0.0	139.1	216.1	0.0	0.0	7061.0	1.3
Nov	0.0	77.0	0.0	0.0	0.0	139.1	216.1	0.0	0.0	7061.0	1.3
Dec	0.0	77.0	0.0	0.0	0.0	139.1	216.1	0.0	0.0	7061.0	1.3
Subtotals	0.0		0.0		0.0			0.0	0.0		
Total ERU's		77.0		0.0		139.1	216.1			7061	1.3

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

Year: Jan 2024 - Dec 2024

Month	New Residential	Total Residential	Multi Family/ Guesthomes (* .8)	Total Res/ Multi-Family	New Commercial	Total Commercial	Grand Total ERU's	Line Construction Developer	District	Total Line Construction	Total Miles
Balance Forward	ERU's	3394.0		398.0		377.3	4240.3			7061.0	1.3
Jan	13.0	3407.0	0.0	398.0	0.0	351.0	4156.0	0.0	0.0	342013.0	64.8
Feb	13.0	3420.0	0.0	398.0	0.0	351.0	4169.0	0.0	0.0	342013.0	64.8
Mar	14.0	3434.0	0.0	398.0	0.0	351.0	4183.0	0.0	0.0	342013.0	64.8
Apr	31.0	3465.0	0.0	398.0	26.3 ♦	377.3	4240.3	12654.0	0.0	354667.0	67.2
May	27.0	3492.0	0.0	398.0	0.0	377.3	4267.3	0.0	0.0	354667.0	67.2
Jun	17.0	3509.0	0.0	398.0	1.8 ♦	379.1	4286.1	0.0	0.0	354667.0	67.2
Jul	7.0	3516.0	0.0	398.0	0.5 ♦	379.6	4293.6	1046.0	0.0	355713.0	67.4
Aug	10.0	3526.0	2.0 ♦	400.0	3.0 ♦	382.6	4308.6	3722.0	0.0	359435.0	68.1
Sep	7.0	3533.0	0.0	400.0	0.0	382.6	4315.6	0.0	0.0	359435.0	68.1
Oct	18.0	3551.0	0.0	400.0	16.5 ♦	399.1	4350.1	94.0	0.0	359529.0	68.1
Nov	5.0	3556.0	0.0	400.0	0.0	399.1	4355.1	0.0	0.0	359529.0	68.1
Dec	10.0	3566.0	0.0	400.0	0.0	399.1	4365.1	0.0	0.0	359529.0	68.1
Subtotals	172.0		2.0		48.1			17516.0	0.0		
Total ERU's		3566.0		400.0		399.1	4365.1			359529	68.1

♦ See next page for explanation

April		
SCTP R	Keller Supply	
	1200 NE 65th Ave	
◆	Keller Supply Expansion	0.4
SCTP R	Costco Ridgefield	
◆	519 N 56th Pl	25.9
		<u>26.3</u>
June		
SCTP R	Ridgefield Crossing Ph 1	
	110 S 65th Ave	
◆	Dominos Pizza	0.4
SCTP R	Mountain View Dental	
◆	5284 Pioneer St	1.4
		<u>1.8</u>
July		
SCTP R	Mountain View Dental	
	5284 Pioneer St	
◆	Ridgefield Physical Therapy	0.5
		<u>0.5</u>

August		
SCTP R	New Duplex	
◆	2401 S Wind River Way	2.0
		<u>2.0</u>
SCTP R	Costco Ridgefield	
	519 N 56th Pl	
◆	Fuel Station	1.0
SCTP R	Union Ridge Town Center	
	Address not assigned	
◆	Pad E Shell	1.0
SCTP R	Union Ridge Town Center	
	Address not assigned	
◆	Pad F Shell	1.0
		<u>3.0</u>
October		
SCTP R	Pioneer Village	
	4327 S Settler Dr	
◆	Eight Cow Creamery	0.7
SCTP R	In-N-Out Burger	
◆	5801 N Pioneer Canyon Dr	6.1
SCTP R	Clark College AMC	
◆	7000 Pioneer St	9.7
		<u>16.5</u>