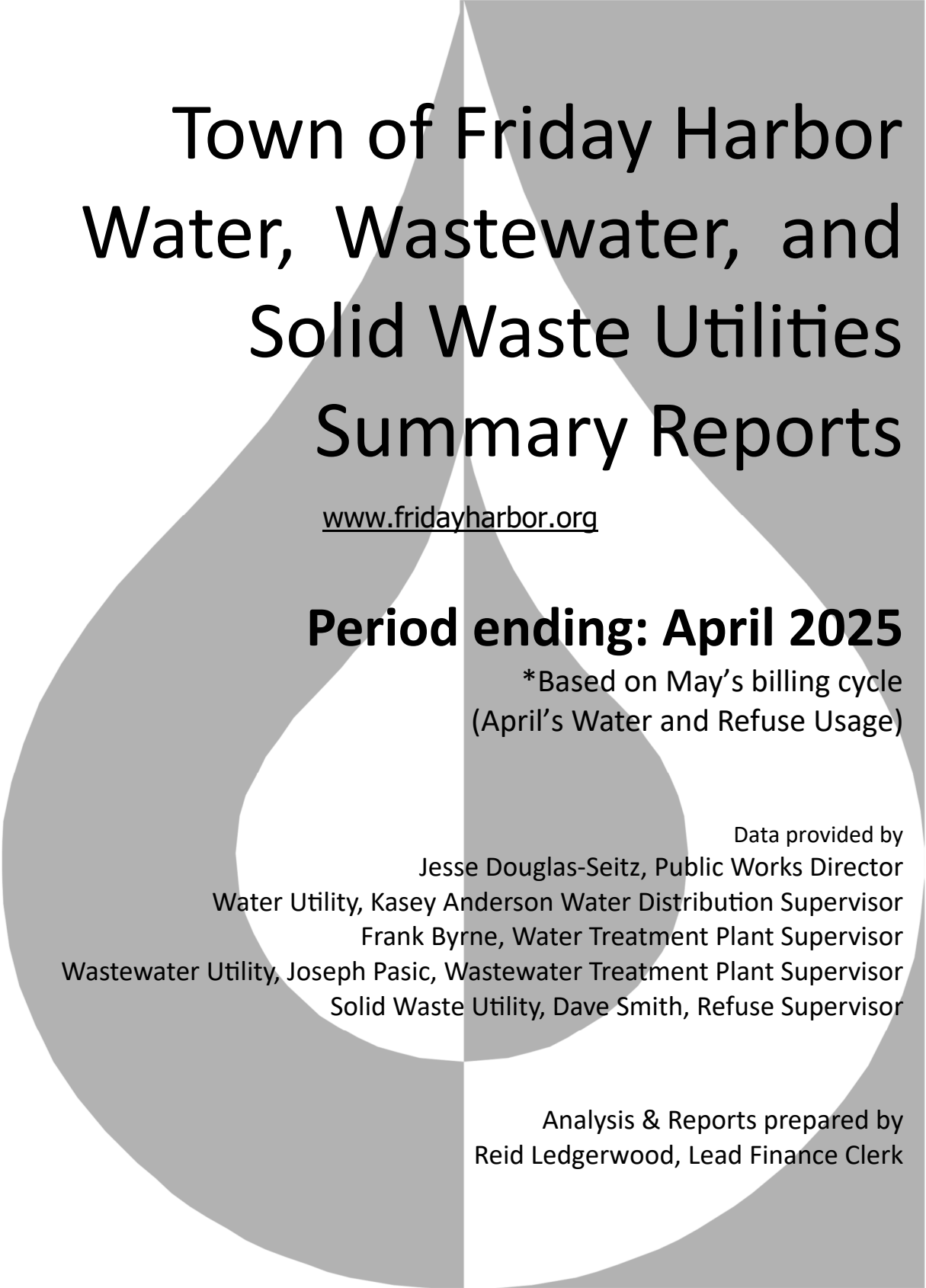




Town of Friday Harbor Water, Wastewater, and Solid Waste Utilities Summary Reports

www.fridayharbor.org

Period ending: April 2025

*Based on May's billing cycle
(April's Water and Refuse Usage)

Data provided by
Jesse Douglas-Seitz, Public Works Director
Water Utility, Kasey Anderson Water Distribution Supervisor
Frank Byrne, Water Treatment Plant Supervisor
Wastewater Utility, Joseph Pasic, Wastewater Treatment Plant Supervisor
Solid Waste Utility, Dave Smith, Refuse Supervisor

Analysis & Reports prepared by
Reid Ledgerwood, Lead Finance Clerk

Water - Use MTD

Water Class	Accounts	Gallons
Com	219	1,445,207
Ind	14	91,091
Mfr	134	1,602,089
PA	82	727,094
Sfr	1,026	2,666,511
Spe	3	5,576
Total	1,478	6,537,568

Water - Use MTD by Location

Water Class	Accounts	Gallons
-------------	----------	---------

Location: In

Com	216	1,421,583
Ind	13	86,726
Mfr	129	1,499,613
PA	73	541,540
Sfr	668	1,772,349
Spe	2	5,204

	1,101	5,327,015
--	-------	-----------

Location: Out

Com	3	23,624
Ind	1	4,365
Mfr	5	102,476
PA	9	185,554
Sfr	358	894,162
Spe	1	372

	377	1,210,553
--	-----	-----------

Total	1,478	6,537,568
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Water Use MTD - Accounts with Sewer Connections

Sewer Class	Accounts	Gallons
-------------	----------	---------

Location: In

Com In/hi Strength	42	545,927
Com In/lo Strength	162	838,950
Dot In/lo Strength	2	92,916
Ind In/hi Strength	1	27,657
Ind In/lo Strength	10	52,484
Lmf In/lo Strength	1	6,009
Mfr In/low Strength	122	1,094,638
Mhp In/lo Strength	2	328,968
PA In/hi Strength	3	81,417
PA In/lo Strength	46	185,308
Sfr IN Town	640	1,725,736

	1,031	4,980,010
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Location: Out

Low Rate / IN Town	11	27,944
Mfr Out/lo Strength	1	9,566
Sfr Out of Town	4	8,405
UW Out/hi Strength	1	141,899

	17	187,814
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Total	1,048	5,167,824
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Refuse - Pickups by Class

Class	Pickups
Com	3,059.0
Ind	24.0
Mfr	674.5
PA	182.5
Sfr	2,685.0
Refuse Only	453.0
Total	7,078.0

Refuse - Active Accounts

Refuse Type	Accounts
Cans	884
Cans Low Rate	11
Compactors	4
Large Dumpster	77
Medium Dumpster	55
PA	42
Small Dumpster	44
Total	1,117

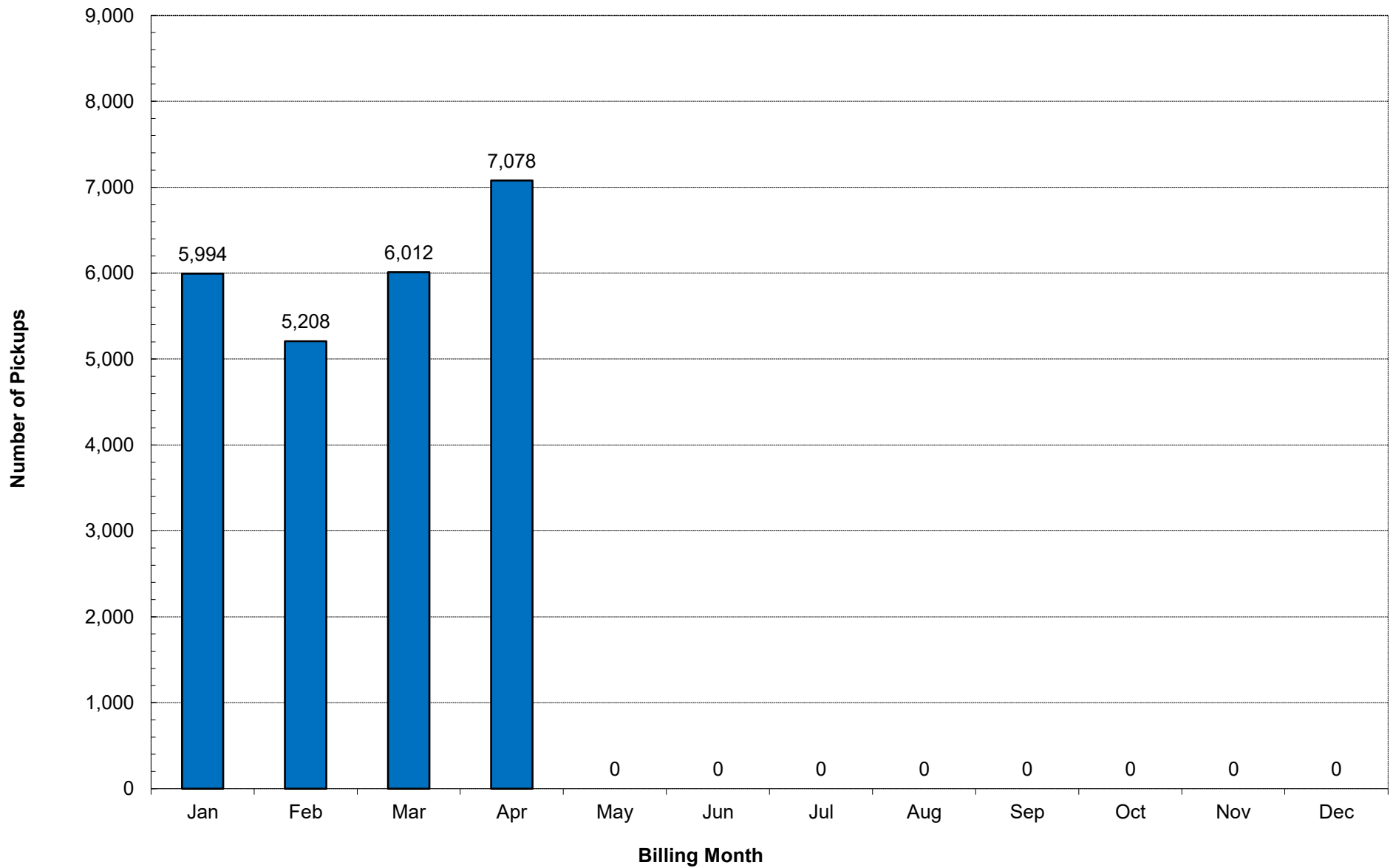
Recycle - Pickups by Class

Class	Pickups
Com	7.0
Ind	3.0
Mfr	75.0
PA	0.0
Sfr	745.0
Refuse Only	26.0
Total	856.0

Refuse Pickups by Account Type - 2025 YTD

Billing Month	SFR	Refuse Only	PA	MFR	IND	COM	Total
Jan	2,397.0	383.0	188.5	647.0	20.0	2,358.5	5,994.0
Feb	1,933.0	335.5	183.0	541.0	19.5	2,196.0	5,208.0
Mar	2,148.0	389.5	209.0	622.0	21.0	2,622.5	6,012.0
Apr	2,685.0	453.0	182.5	674.5	24.0	3,059.0	7,078.0
May							-
Jun							-
Jul							-
Aug							-
Sep							-
Oct							-
Nov							-
Dec							-
YTD	9,163.0	1,561.0	763.0	2,484.5	84.5	10,236.0	24,292.0

Total Refuse Pickups by Month - 2025



Trout Lake Reservoir Level

Months with positive levels may reflect that a removable 7.25 inch riser has been added to the top of the original spillway.

end of	Inches above/(below) original spillway	end of	Inches above/(below) original spillway	end of	Inches above/(below) original spillway
Jan-24	0.00	Jan-27		Jan-30	
Feb-24	0.00	Feb-27		Feb-30	
Mar-24	12.00	Mar-27		Mar-30	
Apr-24	9.00	Apr-27		Apr-30	
May-24	3.50	May-27		May-30	
Jun-24	-3.00	Jun-27		Jun-30	
Jul-24	-17.00	Jul-27		Jul-30	
Aug-24	-26.00	Aug-27		Aug-30	
Sep-24	-33.75	Sep-27		Sep-30	
Oct-24	-35.50	Oct-27		Oct-30	
Nov-24	-22.00	Nov-27		Nov-30	
Dec-24	0.00	Dec-27		Dec-30	
Jan-25	0.00	Jan-28		Jan-31	
Feb-25	0.00	Feb-28		Feb-31	
Mar-25	11.50	Mar-28		Mar-31	
Apr-25	10.79	Apr-28		Apr-31	
May-25		May-28		May-31	
Jun-25		Jun-28		Jun-31	
Jul-25		Jul-28		Jul-31	
Aug-25		Aug-28		Aug-31	
Sep-25		Sep-28		Sep-31	
Oct-25		Oct-28		Oct-31	
Nov-25		Nov-28		Nov-31	
Dec-25		Dec-28		Dec-31	
Jan-26		Jan-29		Jan-32	
Feb-26		Feb-29		Feb-32	
Mar-26		Mar-29		Mar-32	
Apr-26		Apr-29		Apr-32	
May-26		May-29		May-32	
Jun-26		Jun-29		Jun-32	
Jul-26		Jul-29		Jul-32	
Aug-26		Aug-29		Aug-32	
Sep-26		Sep-29		Sep-32	
Oct-26		Oct-29		Oct-32	
Nov-26		Nov-29		Nov-32	
Dec-26		Dec-29		Dec-32	

Flow to Town (Gross Water Production) 2025

Billing Month	Start Date		End Date	Days in Period	Gross Flow to Town
Jan	1-Jan	to	31-Jan	31	7,318,000
Feb	1-Feb	to	28-Feb	28	6,686,000
Mar	1-Mar	to	31-Mar	31	7,598,000
Apr	1-Apr	to	30-Apr	30	7,790,000
May		to		-	-
Jun		to		-	-
Jul		to		-	-
Aug		to		-	-
Sep		to		-	-
Oct		to		-	-
Nov		to		-	-
Dec		to		-	-
				120	29,392,000

Rainfall - Trout Lake Water Treatment Facility

all figures in inches

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	average (2005-14)
Jan	1.34										1.34
Feb	2.81										2.81
Mar	3.86										3.86
Apr	0.81										0.81
May											0.00
Jun											0.00
Jul											0.00
Aug											0.00
Sep											0.00
Oct											0.00
Nov											0.00
Dec											0.00
Total	8.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.82

Cumulative thru

Apr	8.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	average (2015-Current)
Jan											0.00
Feb											0.00
Mar											0.00
Apr											0.00
May											0.00
Jun											0.00
Jul											0.00
Aug											0.00
Sep											0.00
Oct											0.00
Nov											0.00
Dec											0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative thru

Apr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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TOWN OF FRIDAY HARBOR

Net Water Production - 2025

Amounts in Gallons

	Jan	Feb	Mar	Apr	May	Jun
Gross Production	7,318,000	6,686,000	7,598,000	7,790,000	-	-
3% meter loss	171,716	156,346	175,559	196,127	-	-
Flushing	164,100	85,100	122,000	68,500		
SJC#3 FD use	6,500	5,000	5,000	65,500		
Leaks	266,000	366,000	507,200	150,751		
Other non-metered use	-					
Total other uses	(608,316)	(612,446)	(809,759)	(480,878)	-	-
Net production	6,709,684	6,073,554	6,788,241	7,309,122	-	-

	Jul	Aug	Sep	Oct	Nov	Dec
Gross Production	-	-	-	-	-	-
3% meter loss	-	-	-	-	-	-
Flushing						
SJC#3 FD use						
Leaks						
Other non-metered use						
Total other uses	-	-	-	-	-	-
Net production	-	-	-	-	-	-

Water Consumption & Production

Revised meter loss reporting begin 07/09 (per Robert Krebs, Evergreen Rural Water Assoc.)

Period		Use (Consumption)	Cumulative Use YTD	Flow (Production)	Unaccounted over / (under)	Cumulative Flow YTD	Average Daily Flow
		Metered/Other	Use YTD		Unaccounted	3% meter loss	2,869,028
2024	Jan-24	7,380,857	7,380,857	7,793,000	-412,143	7,793,000	251,387
	Feb-24	5,905,437	13,286,294	6,510,000	-604,563	14,303,000	232,500
	Mar-24	6,937,573	20,223,867	7,342,000	-404,427	21,645,000	236,839
	Apr-24	7,376,216	27,600,082	7,980,000	-603,784	29,625,000	266,000
	May-24	8,703,752	36,303,834	9,349,000	-645,248	38,974,000	301,581
	Jun-24	9,914,784	46,218,618	10,422,000	-507,216	49,396,000	347,400
	Jul-24	13,840,595	60,059,213	14,280,000	-439,405	63,676,000	460,645
	Aug-24	12,206,278	72,265,491	13,009,000	-802,722	76,685,000	419,645
	Sep-24	9,246,125	81,511,616	10,164,000	-917,875	86,849,000	338,800
	Average	Oct-24	7,549,709	89,061,325	7,961,000	-411,291	94,810,000
Monthly Use	Nov-24	6,882,598	95,943,922	7,412,000	-529,403	102,222,000	247,067
8,520,962	Dec-24	6,307,625	102,251,548	7,005,000	-697,375	109,227,000	225,968
Year Total:	12	102,251,548	Cumulative	109,227,000	-6,975,452	Cumulative	298,720
		Metered/Other	Use YTD		Unaccounted	3% meter loss	2,869,028
2025	Jan-25	6,332,190	6,332,190	7,318,000	-985,810	7,318,000	236,065
	Feb-25	5,823,982	12,156,172	6,686,000	-862,018	14,004,000	238,786
	Mar-25	6,661,729	18,817,901	7,598,000	-936,271	21,602,000	245,097
	Apr-25	7,018,446	25,836,347	7,790,000	-771,554	29,392,000	259,667
	May-25	0	25,836,347	0	0	29,392,000	0
	Jun-25	0	25,836,347	0	0	29,392,000	0
	Jul-25	0	25,836,347	0	0	29,392,000	0
	Aug-25	0	25,836,347	0	0	29,392,000	0
	Sep-25	0	25,836,347	0	0	29,392,000	0
	Average	Oct-25	0	25,836,347	0	0	29,392,000
Monthly Use	Nov-25	0	25,836,347	0	0	29,392,000	0
6,459,087	Dec-25	0	25,836,347	0	0	29,392,000	0
Year Total:	4	25,836,347	Cumulative	29,392,000	-3,555,653	Cumulative	244,903
	3 Year Average	Use 8,185,452 gal/month		Flow 8,786,679 gal/month			Daily Flow 279,103

Utilization of Sustainable Annual Water System Capacity

Period start: May-23
Period end: Apr-25

Sustainable Annual Yield (TFH Comprehensive Water System Plan Update, June, 2013, page 3-6)	205 million gallons
Annual use - 12 month period	110 million gallons
percent of Sustainable Annual Yield	53%
Exceeds Sustainable Yield?	No

Finish Water Flow to Town

Source: Water Treatment Facility Monthly Report

Revised reporting period per K. Anderson

Start/end dates may change monthly.

30 Days in reporting period.

April 1, 2025		April 30, 2025	
Day	Flow	Day	Flow
1	250	1	
2	269	2	
3	239	3	
4	253	4	
5	226	5	
6	231	6	
7	277	7	
8	198	8	
9	260	9	
10	270	10	
11	217	11	
12	291	12	
13	269	13	
14	251	14	
15	235	15	
16	256	16	
17	304	17	
18	243	18	
19	282	19	
20	214	20	
21	296	21	
22	220	22	
23	298	23	
24	305	24	
25	262	25	
26	289	26	
27	303	27	
28	252	28	
29	280	29	
30	250	30	
31		31	
30	7,790	0	-

Total Days 30

Total Flow 7,790

1,000's of gallons

TOWN OF FRIDAY HARBOR

Water Consumption By Customer Class

2024	COM	IND	MFR	PA	SFR	Special	Other Uses	TOTAL	% of Use	Avg Daily Use
Jan	1,256,441	74,748	1,751,220	479,558	2,535,257	38,317	184,066	6,319,607	6.6%	203,858
Feb	1,117,694	65,357	1,481,249	458,132	2,265,621	47,735	163,074	5,598,862	5.8%	193,064
Mar	1,333,676	83,625	1,688,576	573,042	2,612,184	36,055	189,815	6,516,973	6.8%	210,225
Apr	1,399,854	103,354	1,671,902	879,576	2,781,353	51,452	206,625	7,094,116	7.4%	236,471
May	1,846,369	116,225	1,793,528	911,576	3,465,636	85,357	246,561	8,465,252	8.8%	273,073
Jun	2,068,276	105,101	1,856,041	1,060,351	3,957,803	118,566	274,984	9,441,122	9.8%	314,704
Jul	2,695,273	160,748	2,202,051	2,474,526	5,493,833	213,564	397,200	13,637,195	14.1%	439,910
Aug	2,605,206	280,775	2,086,734	1,962,972	4,448,076	172,818	346,697	11,903,278	12.3%	383,977
Sep	2,075,768	255,326	1,774,607	1,144,742	3,378,198	6,917	259,067	8,894,625	9.2%	296,487
Oct	1,422,527	245,312	1,684,614	758,860	2,567,586	5,090	200,520	6,884,509	7.1%	222,081
Nov	1,153,987	134,764	1,548,788	485,488	2,382,124	3,099	171,248	5,879,498	6.1%	195,983
Dec	1,112,994	75,521	1,558,723	441,969	2,465,408	2,594	169,716	5,826,925	6.0%	187,965
Total	20,088,065	1,700,856	21,098,033	11,630,792	38,353,079	781,564	2,809,572	96,461,961	100.0%	263,557
Average	1,674,005	141,738	1,758,169	969,233	3,196,090	65,130	234,131	Total Use		96,461,961
								Total Loss		8,038,497
% of Use	20.8%	1.8%	21.9%	12.1%	39.8%	0.8%	2.9%	Flow (Use+Loss)		185,605,921
% of Flow	10.8%	0.9%	11.4%	6.3%	20.7%	0.4%	1.5%	Loss as % of Flow		4.3%

2025	COM	IND	MFR	PA	SFR	Special	Other Uses	TOTAL	% of Use	Avg Daily Use
Jan	1,081,740	86,664	1,598,451	531,907	2,423,824	1,288	608,316	6,332,190	24.5%	204,264
Feb	975,955	72,208	1,468,791	454,741	2,238,960	881	612,446	5,823,982	22.5%	200,827
Mar	1,163,991	85,685	1,597,149	573,481	2,429,379	2,285	809,759	6,661,729	25.8%	214,894
Apr	1,445,207	91,091	1,602,089	727,094	2,666,511	5,576	480,878	7,018,446	27.2%	233,948
May							-	-	0.0%	-
Jun							-	-	0.0%	-
Jul							-	-	0.0%	-
Aug							-	-	0.0%	-
Sep							-	-	0.0%	-
Oct							-	-	0.0%	-
Nov							-	-	0.0%	-
Dec							-	-	0.0%	-
Total	4,666,893	335,648	6,266,480	2,287,223	9,758,674	10,030	2,511,399	25,836,347	100.0%	213,524
Average	1,166,723	83,912	1,566,620	571,806	2,439,669	2,508	209,283	Total Use		25,836,347
								Total Loss		2,153,029
% of Use	18.1%	1.3%	24.3%	8.9%	37.8%	0.0%	9.7%	Flow (Use+Loss)		29,392,000
% of Flow	15.9%	1.1%	21.3%	7.8%	33.2%	0.0%	8.5%	Loss as % of Flow		7.3%

Prevention of Wastewater Facility Overloading

Period start: Apr-24

Period end: Mar-25

INFLUENT BOD LOADING

(Pounds per Day)

Design Criteria (06/06 NPDES
Permit #WA-002358-2, pg 12,
paragraph S4.A) max.month

1,600

85% Capacity Planning
Threshold (06/06 NPDES
Permit #WA-002358-2, pg 12,
paragraph S4.B.1)

1,360

Month with highest average
loading in period

Jul-24

Highest average monthly
loading in period

792

% of Design Criteria

50%

Exceeds Design Criteria?

No

Previous month's loading

737

Following month's loading

754

Exceeds Planning Threshold
for 3 consecutive months?

No

AVG. EFFLUENT FLOW

(Millions of Gallons per Day)

Design Criteria (06/06 NPDES
Permit #WA-002358-2, pg 12,
paragraph S4.A) max.month

0.69000

85% Capacity Planning
Threshold (06/06 NPDES
Permit #WA-002358-2, pg 12,
paragraph S4.B.1)

0.58650

Month with highest average
flow in period

Dec-24

Highest average monthly flow
in period

0.3157

% of Design Criteria

46%

Exceeds Design Criteria?

No

Previous month's flow

0.2556

Following month's flow

0.2858

Exceeds Planning Threshold
for 3 consecutive months?

No

SUSPENDED SOLIDS LOADING

(Pounds per Day)

Design Criteria (06/06 NPDES
Permit #WA-002358-2, pg 12,
paragraph S4.A) max.month

1,110

85% Capacity Planning
Threshold (06/06 NPDES
Permit #WA-002358-2, pg 12,
paragraph S4.B.1)

944

Month with highest average
loading in period

Nov-24

Highest average monthly
loading in period

761

% of Design Criteria

69%

Exceeds Design Criteria?

No

Previous month's loading

688

Following month's loading

649

Exceeds Planning Threshold for
3 consecutive months?

No