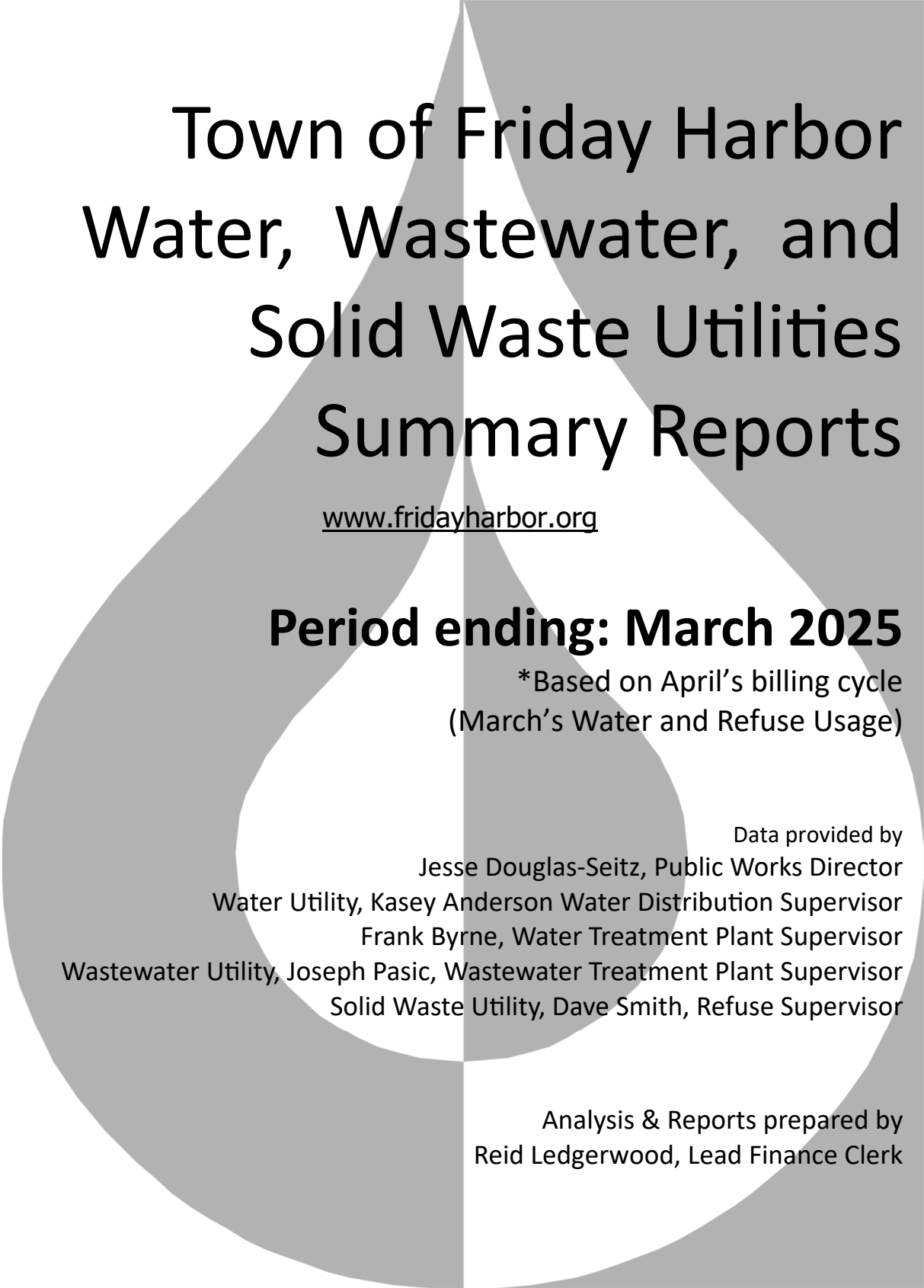




Town of Friday Harbor Water, Wastewater, and Solid Waste Utilities Summary Reports

www.fridayharbor.org

Period ending: March 2025

*Based on April's billing cycle
(March'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	1,163,991
Ind	14	85,685
Mfr	134	1,597,149
PA	82	573,481
Sfr	1,027	2,429,379
Spe	3	2,285
Total	1,479	5,851,970

Water - Use MTD by Location

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

Location: In

Com	216	1,142,430
Ind	13	85,685
Mfr	129	1,516,304
PA	73	426,457
Sfr	668	1,690,593
Spe	2	1,417

	1,101	4,862,886
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Location: Out

Com	3	21,561
Ind	1	0
Mfr	5	80,845
PA	9	147,024
Sfr	359	738,786
Spe	1	868

	378	989,084
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Total	1,479	5,851,970
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Water Use MTD - Accounts with Sewer Connections

Sewer Class	Accounts	Gallons
Location: In		
Com In/hi Strength	42	458,384
Com In/lo Strength	162	661,011
Dot In/lo Strength	2	48,089
Ind In/hi Strength	1	20,658
Ind In/lo Strength	10	52,640
Lmf In/lo Strength	1	8,279
Mfr In/low Strength	122	1,116,268
Mhp In/lo Strength	2	322,157
PA In/hi Strength	3	62,741
PA In/lo Strength	46	183,646
Sfr IN Town	640	1,647,736
	1,031	4,581,609
Location: Out		
Low Rate / IN Town	12	25,780
Mfr Out/lo Strength	1	5,948
Sfr Out of Town	4	7,720
UW Out/hi Strength	1	101,944
	18	141,392
Total	1,048	4,723,001

Refuse - Pickups by Class

Class	Pickups
Com	2,622.5
Ind	21.0
Mfr	622.0
PA	209.0
Sfr	2,148.0
Refuse Only	389.5
Total	6,012.0

Refuse - Active Accounts

Refuse Type	Accounts
Cans	881
Cans Low Rate	14
Compactors	4
Large Dumpster	77
Medium Dumpster	55
PA	42
Small Dumpster	44
Total	1,117

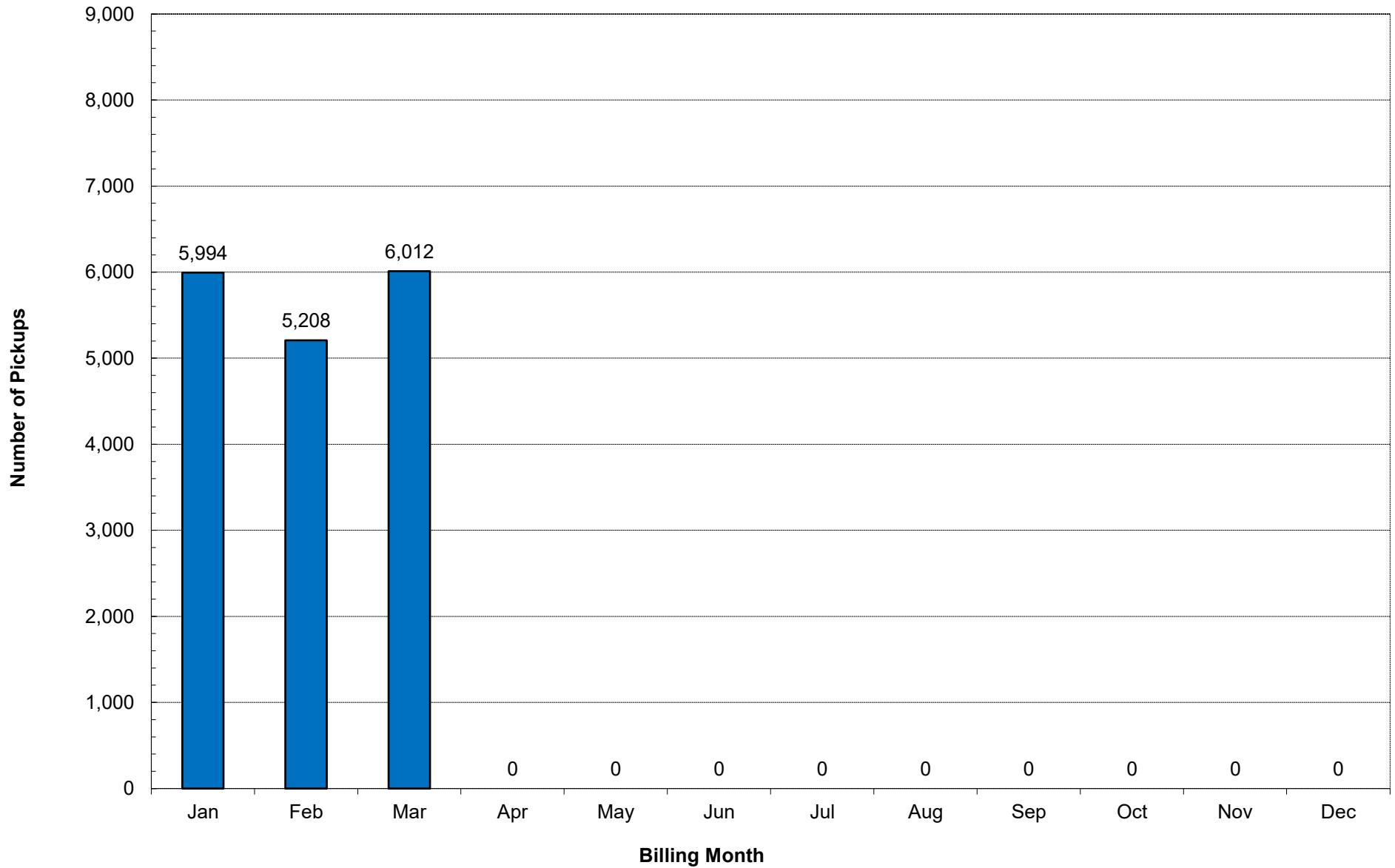
Recycle - Pickups by Class

Class	Pickups
Com	7.0
Ind	0.0
Mfr	79.0
PA	0.0
Sfr	741.0
Refuse Only	31.0
Total	858.0

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							-
May							-
Jun							-
Jul							-
Aug							-
Sep							-
Oct							-
Nov							-
Dec							-
YTD	6,478.0	1,108.0	580.5	1,810.0	60.5	7,177.0	17,214.0

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		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		to		-	-	
May		to		-	-	
Jun		to		-	-	
Jul		to		-	-	
Aug		to		-	-	
Sep		to		-	-	
Oct		to		-	-	
Nov		to		-	-	
Dec		to		-	-	
				90	21,602,000	

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											0.00
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	8.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.01

Cumulative thru

Mar	8.01	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

Mar	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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Net Water Production - 2025

Amounts in Gallons

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

	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	256,806
	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	0	18,817,901	0	0	21,602,000	0	
	May-25	0	18,817,901	0	0	21,602,000	0	
	Jun-25	0	18,817,901	0	0	21,602,000	0	
	Jul-25	0	18,817,901	0	0	21,602,000	0	
	Aug-25	0	18,817,901	0	0	21,602,000	0	
	Sep-25	0	18,817,901	0	0	21,602,000	0	
	Average	Oct-25	0	18,817,901	0	0	21,602,000	0
	Monthly Use	Nov-25	0	18,817,901	0	0	21,602,000	0
	6,272,634	Dec-25	0	18,817,901	0	0	21,602,000	0
Year Total:		3	18,817,901	Cumulative	21,602,000	-2,784,099	Cumulative	239,982
3 Year Average		Use 8,228,674 gal/month		Flow 8,823,593 gal/month			Daily Flow 277,463	

Utilization of Sustainable Annual Water System Capacity

Period start: Apr-23
Period end: Mar-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.

31 Days in reporting period.

March 1, 2025		March 31, 2025	
Day	Flow	Day	Flow
1	240	1	
2	258	2	
3	234	3	
4	230	4	
5	265	5	
6	240	6	
7	247	7	
8	285	8	
9	248	9	
10	251	10	
11	297	11	
12	255	12	
13	293	13	
14	205	14	
15	246	15	
16	240	16	
17	197	17	
18	262	18	
19	209	19	
20	296	20	
21	224	21	
22	252	22	
23	202	23	
24	248	24	
25	254	25	
26	250	26	
27	219	27	
28	239	28	
29	243	29	
30	219	30	
31	250	31	
31	7,598	0	-

Total Days 31

Total Flow 7,598

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	33.6%	204,264
Feb	975,955	72,208	1,468,791	454,741	2,238,960	881	612,446	5,823,982	30.9%	200,827
Mar	1,163,991	85,685	1,597,149	573,481	2,429,379	2,285	809,759	6,661,729	35.4%	214,894
Apr							-	-	0.0%	-
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	3,221,686	244,557	4,664,391	1,560,129	7,092,163	4,454	2,030,521	18,817,901	100.0%	206,790
Average	1,073,895	81,519	1,554,797	520,043	2,364,054	1,485	169,210	Total Use		18,817,901
								Total Loss		1,568,158
% of Use	17.1%	1.3%	24.8%	8.3%	37.7%	0.0%	10.8%	Flow (Use+Loss)		21,602,000
% of Flow	14.9%	1.1%	21.6%	7.2%	32.8%	0.0%	9.4%	Loss as % of Flow		7.3%

Prevention of Wastewater Facility Overloading

Period start: Mar-24

Period end: Feb-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