Inverness Public Utility District
Monthly Water System Report

A P R I L 2 0 2 4

Prepared by Ken Fox, senior operator

APRIL	Rainfall (in inches ")		April		April			
April Rainfall "	2024	2023	2022	2021	2020	2019	2018	2017
Total for Month	2.05	1.39	3.85	0.11	1.66	1.59		
Year To Date (7/01 →5/01)	40.32	47.65	31.05	15.32	20.9	48.33		
Average yearly since 1925	37.39"	37.26	37.32	37.57	37.72	37.26		

(* GPD = gallons per day; gpm = gallons per minute;

End of Month Stream Flow Measurements				
	2024		2023	
Diversions	April		April	
1st Valley Upper Intakes	*gpm**	GPD*	*gpm*	GPD
D1	*190*	273,600	*81*	116,640
D2	*215*	309,600	*130*	187,200
D3	*200*	288,000	*95*	136,800
605			***306***	
2nd Valley Upper Intakes				
D4	*200*	288,000	*81*	116,640
D5	*220*	316,800	*110*	158,400
D6	*220*	316,800	*120*	172,800
640			***311***	
3rd Valley Upper Intakes				
D7	*230*	331,200	*115*	165,600
D8	*45*	64,800	*48*	69,120
275			***163***	
Totals	**1,520**	**2,188,800**	***780***	1,123,200

Recent 3-month EOM Streamflow Trends			
→	**Mar-24**	**Feb-24**	**Jan-24**
gpm	1,520	1,720	1,130
GPD	2,188,800	2,476,800	1,627,200

Sources Used: April	2024	2023
1st Valley Upper Intakes	84%	75%
2nd Valley Upper intakes	0%	
3rd Valley Upper intakes	16%	25%
1st Valley Lower Intake (L1)		
2nd Valley Lower intake		
Wells. (W1,W3,W4, etc.)		
Total	100.0%	100%

Distribution System Usage /	**# days –>**	**30**		30
	Apr-24			**Apr-23**
Distribution Zone	**Gallons**	**% of Use**		**% of Use**
Colby	579,300	35%	637,400	40%
Tenney	790,800	47%	545,100	34%
Conner	34,100	2%	20,000	1%
Stockstill	151,000	9%	270,700	17%
Seahaven	112,200	7%	127,000	8%
Total for Month =>	**1,667,400**	**100%**	1,600,200	**100%**
Average for Month =>	***GPD***	***gpm***	*GPD*	*gpm*
	55,580	**38.6**	53,340	37.0

INVERNESS PUBLIC UTILITY DISTRICT
FIRE DEPARTMENT • WATER SYSTEM
POST OFFICE BOX 469
INVERNESS, CA 94937
(415) 669-1414 • FAX (415) 669-1010 • INFO@INVERNESSPUD.ORG

APRIL 2024 – WATER SYSTEM REPORT

Water Quality

(* GPD = gallons per day; gpm = gallons per minute; ppm= parts per million

[APRIL 2024 TOTAL: 1,667,400 GALLONS: AVERAGE 55,580 *gal/day* = 38.6 average *gpm*]

All sources are filtered by first Ultra and then Nano filters; chlorine and turbidity correct continuously; no positive coliform bacteria samples from distribution sample grabs. Samples of distribution water are tested twice monthly and influent raw water sources are being collected once a month for lab analysis of coliform content.

Average Chlorine (CL_2) dose at F1→ approximately 0.55 ppm; Average CL_2 dose at F3→ approximately 0.6 ppm

Major Activities and Events

1. Monthly reports sent to CA RWQCB DHS / SWRCB Drinking Water Division
2. Regular flushing of 4" iron main on Via de la Vista & Escondido 2" PVC lines
3. F1 CIP cleaning of Ultra A unit completed/
   - Power cut off by PG&E to replace power poles, Saturday night April 20th to early morning, April 21st. power was out at F1 during this period, ran Generator only briefly to exercise, but left off during night as had plenty of capacity and usage low.
4. F3 CIP cleaning of Nano unit, dirty
   - SCADA radio communication to F3 still inconsistent so still use Sea Haven telemetry to control F3 pump
5. Hydrants: clearing vegetation and exercising valves. valve covers painted as progressed
6. 1st and 2nd valley plus Perth fire roads clearing trees and water bars continued
7. Perth fire road cleared of fallen trees/ ongoing clearing of trees and water bars.
8. Valve malfunction on Tenney overflow feed at Colby tanks … hydraulic valve was stuck open by small pieces of wood (twice) left over from the dismantled 60,000 wooden Tenney tank. Utilized transfer at old F2 filter plant during repair
9. Colby yard clearing grass and debris
10. L-2 access road at end of Aberdeen: (2nd valley Lower intake and Well 4): issue not yet resolved.
11. Continuing to identify type of material for each Service in district, per government requirements which specify that we identify pipe material on both sides of each water meter. Installing gopher protection mesh at same time (will make meter reading more efficient)
12. All customer meters read
13. Several customer leaks found or reported)

Kenneth J Fox