

WATERMASTER'S ANNUAL REPORT

From: June 15, 2021 To: October 31, 2021

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FEB 22 2022

WATER RESOURCES
WESTERN REGION

Water District No. 67A

Water District Name: Little Weiser River

Name of Watermaster: Wendy Green

Mailing Address: 587 Indian Valley Rd, Indian Valley, Id
83632

AFFIDAVIT OF WATERMASTER

As the appointed watermaster of water district no. 67A, I hereby certify that the information contained in this report is true and correct to the best of my knowledge.

Wendy Green
Watermaster signature

2/4/2022
Date

Pursuant to Section 42-606 Idaho Code, this Watermaster's Annual Report shall be filed prior to the end of the watermaster's appointment for the current year, and kept in the office of the Idaho Department of Water Resources (IDWR). The Watermaster's Daily Diversion Records should be attached to this report if those records are not submitted electronically to IDWR.

2021 67A WASHINGTON CO. ASSESSMENTS

pin	Status	DisplayName	VTShortDescr	TOTAL	CFS
RP14N02W017500	A	COPHER WILLIAM K	996 Water 67A	\$84.00	1.68
RP14N02W028500	A	SMS PROPERTIES LLC	996 Water 67A	\$35.00	0.7
RP14N02W074800	A	TURNBULL CHARLES RAY ETUX	996 Water 67A	\$86.50	1.73
RP14N02W075410	A	HODGE, SCOTT (fmr Abraham, Marilyn)	996 Water 67A	\$5.50	0.11
RP14N02W081200	A	MINK LAND & LIVESTOCK CO INC	996 Water 67A	\$85.00	1.7
RP14N02W084800	A	HOLLON FAMILY TRUST THE RICHARD AND MARILYN	996 Water 67A	\$232.50	4.65
RP14N02W094050	A	MCKEE DAVID G SPLIT TO MOSEKIAN???	996 Water 67A	\$43.50	0.87
RP14N02W096209	A	WILKERSON, GORDON	996 Water 67A	\$5.00	0.1
RP14N02W098000	A	MOSEKIAN, BRETT & MELANIE TRUST	996 Water 67A	\$80.00	1.6
RP14N02W098400	A	MOSEKIAN, BRETT & MELANIE TRUST	996 Water 67A	\$146.00	2.92
RP14N02W100600	A	JRS RANCHES LLC	996 Water 67A	\$3.50	0.07
RP14N02W103000	A	MOSEKIAN, BRETT & MELANIE TRUST	996 Water 67A	\$537.00	10.74
RP14N02W108400	A	JRS RANCHES LLC	996 Water 67A	\$95.00	1.9
RP14N02W112400	A	THOMASON JACK D	996 Water 67A	\$26.00	0.52
RP14N02W150000	A	JRS RANCHES LLC	996 Water 67A	\$353.25	7.065
RP14N02W153000	A	SCHWENKFELDER RANCHES INC	996 Water 67A	\$60.00	1.2
RP14N02W160600	A	MOSEKIAN, BRETT & MELANITE TRUST	996 Water 67A	\$25.00	0.5
RP14N02W161200	A	SCHWENKFELDER ROYCE A ETUX	996 Water 67A	\$40.00	0.8
RP14N02W162400	A	SCHWENKFELDER ROYCE A ETUX	996 Water 67A	\$81.00	1.62
RP14N02W165700	A	JRS RANCHES LLC	996 Water 67A	\$21.00	0.42 75A
RP14N02W166800	A	JRS RANCHES LLC (fmr parks/gammel)	996 Water 67A	\$10.00	0.2 40A
RP14N02W167200	A	WAKEM JOAN L	996 Water 67A	\$25.00	0.5
RP14N02W171200	A	JAMES LARRY D	996 Water 67A	\$101.00	2.02
RP14N02W180610	A	MCKEE BROS INC	996 Water 67A	\$412.00	8.24
RP14N02W211850	A	LANDRETH RANDAL A ETUX	996 Water 67A	\$235.00	4.7
RP14N03W124800	A	TURNBULL ROBERT	996 Water 67A	\$265.00	5.3
RP14N03W130700	A	JAEGER RONALD E	996 Water 67A	\$105.00	2.1
RP14N03W148420	A	ROYER STEVEN	996 Water 67A	\$55.50	1.11
RP14N03W15000		MINK LAND & LIVESTOCK CO INC	996 Water 67A	\$ 30.00	0.6

\$3,283.25

2021 67A WATER DISTRICT-

24-00	RP000400070160A	ALCOCK, STEVEN	\$ 76.50		1.53
24-00	RP14N01W140001A	ALLEY, SAMANTHA / EGGEBEEN, GE	\$ 92.50		1.85
23-00	RP14N01W028400A	ALLRED, DAVID VON & ROMONA L	\$ 5.00		0.1
23-00	RP15N01W255401A	ALLRED, KORY & LISA	\$ 5.00		0.7
23-00	RP14N01W260601A	ARMENTO, DR & PA JOINT LV TRST	\$ 17.00		0.34
24-00	RP15N01W316605A	ARMITAGE, ROBERT D & NANCY L	\$ 5.00		0.02
24-00	RP14N01W236607A	ARRIEN, REBECCA & PARKER	\$ 8.00	50/50 Farms	0.16
24-00	RP14N01W232400A	BAKER, GERALD TRUST	\$ 81.50		1.63
24-00	RP15N01W321501A	BALL, PATRICK O & MARTHA E	\$ 34.00		0.68
24-00	RP14N01W143002A	BAUER, CYNDI & BRIAN	\$ 20.50		0.41
96A	RP15N01W354801A	BEAM, MARTIN D & DARLENE L	\$ 29.00		0.58
506	RP14N01E149000A	BOEHM, LARRY	\$ 5.00		0.08
24-00	RP14N01W109161A	BREST, LOREN R & BRIDGETTA L	\$ 5.00		0.08
	RP14N01W047100A	BROWN, ROCKY & ROBIN	\$ 35.50		0.71
24-00	RP14N01W105100A	BUCHANAN, LOUISE LINDER*	\$ 124.00		2.48
24-00	RP14N01W350001A	BURKHARDT, J WAYNE	\$ 19.00		0.38
24-00	RP14N01W363600A	BURKHARDT, J WAYNE	\$ 47.00		0.94
24-00	RP13NN01E064901A	BUTLER, ANDREW E.	\$ 17.36		0.347
10-00	RP13N01E064804A	COATES, GLEN W & SANDRA A	\$ 8.00		0.16
24-00	RP14N01W222000A	CORIELL, DALE LAVERN	\$ 64.00		1.28
24-00	RP14N01W233800A	CORIELL, DALE LAVERN	\$ 8.00		0.16
24-00	RP15N01W337200A	CRAIG, MICHELLE	\$ 35.00		0.07
24-00	RP14N01W150600A	DUNHAM RANCH, INC	\$ 192.86		3.857
	RP14N01W235550A	DUNHAM, R DEAN	\$ 34.00		0.68
24-00	RP14N01W101805A	DUNHAM, RONALD	\$ 40.16		0.803
24-00	RP14N01W106600A	DUNHAM, RONALD D	\$ 84.00		1.68
23-00	RP14N01W113601A	DUNHAM, RONALD D & BETTY L*	\$ 33.00		0.66
24-00	RP14N01W237400A	GLEMSEY, JEFF & ANGELA	\$ 30.00		0.6
23-00	LP15N01E301000A	GRAYS CREEK MEADOWS DITCH CO	\$ 218.00		4.36
	RP14N01W102450A	GREEN GIRLS TRUST	\$ 17.00		0.34
	RP14N01W102900A	GREEN, TOM & JUDY FAMILY LLC*	\$ 25.00		0.5
506	RP14N01W103000A	GROSSEN, TOM	\$ 19.00		0.38

23-00	RP15N01W348400A	GROSSEN, TOM & NORMA	\$ 22.50		0.45
24-00	RP14N01W034800A	GROSSEN, TOM & NORMA R	\$ 60.50		1.21
23-00	RP15N01W349000A	GROSSEN, TOMMY & NORMA	\$ 215.00		4.3
101	RP15N01W356000A	GROSSEN, TOMMY & NORMA	\$ 339.26		6.785
23-00	RP15N01W27660A	HARRELL ,C.V. RANCH LLC	\$ 120.00		2.4
	RP14N01W157800A	HINTZ, ARTHUR	\$ 42.00		0.84
23-00	RP14N01W025400A	HOLMES, JW & SONS	\$ 94.00		1.88
	RP15N01W34120AA	HOLMES, PHIL	\$ 82.00		1.64
23-00	RP14N01W100060A	HORN, LAWRENCE & DIETCH, JUDIT	\$ 152.00		3.04
	RP13N01E 067200A	HUEY, MALCOM & NITA J	\$ 35.00		
24-00	RP14N01W104801A	HUEY, MICHAEL & BARBARA	\$ 26.60		0.7
102	RP15N01W256001A	HULL, CLARENCE & TERESA	\$ 5.00		0.049
	RP14N01W365509A	JOHNSON, M LYNN	\$ 5.00	REEDER, WILLIAM & RUTH	0.1
24-00	RP14N01W150103A	JOHNSON, RICHARD E & LILIANA	\$ 36.00		0.72
	RP14N01W233001A	JOHNSON, WILLIAM; STEPHENS, RO	\$ 17.00	STEPHENS, ROBIN	0.34
24-00	RP14N01W109201A	JONES, JR & EMILY	\$ 5.00		0.04
24-00	RP14N01W261205A	JORDAN, RICHARD & MARIE	\$ 58.50		1.17
23-00	RP15N01W250001A	KA HOLDING & DEVELOPMENT	\$ 25.00		0.5
23-00	RP15N01W344801A	LEGG FAMILY TRUST B	\$ 61.50		1.23
25-00	RP14N01W274800A	LITTLE WEISER IRRIGATION DIST	\$ 3,286.00		105.72
23-00	RP15N01W252601A	BANDONI, LOUIE & KAREN FAMILY T	\$ 14.00		0.28
102	RP15N01W254801A	BANDONI, LOUIE & KAREN FAMILY T	\$ 24.00		0.48
23-00	RP15N01W260075A	BANDONI, LOUIE & KAREN FAMILY T	\$ 26.00		0.52
	RP13N01E067800A	MAY, MICHAEL & CARRIE	\$ 9.00		0.18
506	RP14N01W273007A	NOLAN, TIMOTHY SHANNON*	\$ 15.00		0.3
25-00	RP14N01W042401A	OGLE, DELBERT T & MARION*	\$ 65.00		1.3
25-00	RP14N01W353300	OZBIRN, MARK ALLEN & LESLIE	\$ 40.00		0.08
24-00	RP14N01W231200A	PHILLIPPE, CELIA	\$ 5.00		0.9
24-00	RP14N01W143505A	PHILLIPS, JACKYE	\$ 17.00		0.34
24-00	RP14N01W150482A	RAY FAMILY REVOCABLE TRUST	\$ 5.00		0.04
102	RP14N01W038440A	SHAW, JAMES & PATRICIA	\$ 5.00		0.064
	RP14N02W011240A	SHORE, WILLIAM (BILL)	\$ 50.00		1
103	RP15N01W250600A	STOHLMAN, HOWARD & LYNDA	\$ 5.00		0.1

23-00	RP14N01W043900A	THARP, WALTER & SHARON	\$ 19.00		0.38
24-00	RP14N01W260001A	VESELKA, DAVID R & CATHERINE B	\$ 40.00		0.8
103	RP14N01W146000A	VESELKA, DAVID R*	\$ 50.00		1
23-00	RP14N01W021351A	WALLACH IX, LLC	\$ 50.00		1
24-00	RP14N01W105401A	WALLACH IX, LLC	\$ 55.00		1.1
24-00	RP15N01W317210A	WALLACH IX, LLC	\$ 87.00		1.74
24-00	RP15N01W324801A	WALLACH IX, LLC	\$ 148.00		2.96
24-00	RP15N01W326000A	WALLACH IX, LLC	\$ 23.00		0.46
24-00	RP14N01W141202A	WARD, VICTOR & CHRISTY	\$ 46.00		0.92
24-00	RP14N01W154800A	YANTIS, DANIEL	\$ 25.00		0.5
24-00	RP13N01W011200A	YANTIS, RALPH L & SCOTTI A	\$ 29.00		0.58
24-00	RP14N01W157200A	YANTIS, RALPH L & SCOTTI A	\$ 122.00		2.44
	RP14N01W220001A	YANTIS, RALPH L & SCOTTI A*	\$ 46.00		0.92
			\$ 7,142.74		

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WATERMASTER'S LOG 2021

67A & Little Weiser Irrigation District

WATER RESOURCES
WESTERN REGION

DATE	TIME	SITE	WEIR MEASUREMENT1	EST CFS	NOTES
				NAT FLOW + STORED2	
6/21/2021	9:00 a.m.	Reservoir	57'		
6/21/2021					
6/21/2021	11:35 a.m.	Res Outlet Canal	1.77' PT		PT, Staff Gauge in canal; no weir
6/21/2021	9:35 p.m.	Res Outlet Canal	2.01' PT		Adj HG to increase release fr. Res.
6/21/2021	12:20 p.m.	Steward 3' Rec Con	2"	0.68	
6/21/2021	1:00 p.m.	Anderson Gulch Main Splitter	1.55'		Adj HG to increase flow in upper canal
6/22/2021	8:55 a.m.	Anderson Gulch Main Splitter	2.80'		Adj HG to bring stage to 2.45'.
6/22/2021	9:30 a.m.	West Side Splitter 4' Cip	6"	4.68	
6/22/2021	10:15 a.m.	Yantis Lower Splitter	4.5"		Need weir length. This is the north weir off Mundy Gulch. Closed HG to reduce flow to 1".
6/22/2021	11:05 a.m.	N. Ogle V-notch	11"	2.01	
6/22/2021	11:53 a.m.	Fall Ck/N Grays	4"		Need weir length
6/22/2021	12:45 p.m.	Underwood Ellis 8"x16" Sub Or			
6/22/2021		Donart 6' Cip	4"	3.83	
6/22/2021		Schwenkfelder 5' Par Flume	11.42"	19.34	
6/23/2021	8:00 p.m.	Donart 6' Cip	3.5"	3.14	
6/23/2021	8:30 PM	Willkerson 4' Parshall Flume	9"	10.71	
6/23/2021	8:50 PM	Moritz 4' Rec Con	9"	8.3	
6/24/2021	8:20 p.m.	Steward 3' Rec Con	9"	6.19	
6/24/2021	8:30 p.m.	Moritz 4' Rec Con	7.5"	6.35	
6/24/2021	8:45 p.m.	Reservoir	56.5'		
6/25/2021	11:55 a.m.	Allison 3' Rec Con	17"	15.74	Measured manually at center of weir, but water flowing around structure, ditch bank full. NOT RELIABLE.
6/25/2021	12:00 p.m.	Donart 6' Cip	2.75"	2.2	
6/26/2021	9:30 a.m.	America Lindsay 6' Cip	5.5"	6.15	
6/26/2021	10:00 AM	Richardson 5' Cip	5"	4.45	
6/26/2021	10:15 AM	LWW Coates 20' suppressed	10"	49.31	

DATE	TIME	SITE	WEIR MEASUREMENT1	EST CFS	NOTES
				NAT FLOW + STORED2	
6/28/2021	9:30 AM	Reservoir	55.5'		
6/28/2021	11:00 AM	And Gul Main Splitter	2.80'		
6/28/2021	12:05 PM	West Side Splitter 4' Cip	10"	10.08	
6/28/2021	7:43 p.m.	Donart 6' Cip	3"	2.5	
	8:01 p.m.	Allison 3' Rec Con			Ditch is bank full.
6/29/2021	9:26 a.m.	LWW Coates 20' suppressed	9.02" PT	42.34	More likely approx. 29.23 cfs
	9:26 a.m.	Grays Ck 12' Cip	11.21" PT	35.42	Submerged weir; readings suspect
		Schwenkfelder 5' P Flume	11.13"	18.6	
		M Wilkerson 4' P Flume	8.81"	10.36	
6/30/2021	7:00 a.m.	LWW Coates 20' suppressed	8.65"	39.8	More likely approx. 26.98 cfs
6/30/2021	7:00 a.m.	Grays Ck 12' Cip	11.42"	36.42	Submerged weir; readings suspect
	7:00 a.m.	Schwenkfelder 5' P Flume	11.46"	19.44	
		M Wilkerson 4' P Flume	8.91"	10.54	
7/1/2021	9:30 a.m.	Reservoir	55'		
7/1/2021	10:25 a.m.	And Gulch Splitter	2.9'		
7/1/2021	10:35 AM	West Side Splitter 4' Cip	10.5"	10.85	
7/1/2021	11:15 AM	Moritz 4' Rec Con		4.02	Stage at red line on concrete
7/1/2021	1:35 p.m.	Steward 3' Rec Con	9"	6.19	
7/1/2021	2:00 p.m.	Underwood 8x16 Sub Or	2"	1.78	
7/2/2021	8:00 a.m.	Donart 6' Cip	3.75"	3.48	
7/2/2021		Schwenk pumps	486.33 GPM		Flow Meter for one line only
7/2/2021	8:45 AM	Allison 3' Rec Con			Water spilling over div dam
7/3/2021	10:00 a.m.	Donart 6' Cip	6"	7	
7/3/2021	10:10 a.m.	Schwenkfelder Pumps	398.92 GPM		
7/3/2021	11:32 a.m.	Amer Lindsay 6' Cip	6"	7	
7/3/2021	11:45 a.m.	LWW Coates 20' suppressed	6"	23.18	PT reads 8"; manual measurement at ctr weir = 6"
7/3/2021	11:50 a.m.	Richardson 5' Cip	4.5"		
<u>7/6/2021</u>	5:15 p.m.	Donart 6' Cip	1.5"	0.89	
	5:10 p.m.	Schwenkfelder pumps	482.63 GPM		Flow Meter for one line only
	5:30 p.m.	Allison 3' Rec Con			Bank full at Gladhart Ln
7/6/2021	8:10 p.m.	Reservoir	53'		

DATE	TIME	SITE	WEIR MEASUREMENT ¹	EST CFS	NOTES
				NAT FLOW + STORED ²	
7/6/2021	8:34 p.m.	And Gul Splitter	2.9'		
	8:45 p.m.	West Side Splitter 4' Cip	10"	10.08	
7/7/2021	8:00 a.m.	Reservoir	53'		
7/7/2021	9:00 a.m.	And Gul Splitter	2.9'		
		West Side Splitter 4' Cip	11"	11.64	
7/7/2021	10:00 a.m.	Steward 3' Rec Con	8.5"	5.69	
		Moritz 4' Rec con	5.5"	4.02	Measured head w/water just over red line
	10:35 a.m.	Underwood 8"x16" SubOr	.5"	0.89	
7/7/2021	11:34 a.m.	LWW Coates 20' suppressed	7.29" PT	30.91	More likely 19.24 cfs
	11:34 a.m.	Grays Ck 12' Cip	10.53" PT	32.27	Submerged weir; readings suspect
	11:34 a.m.	Schwenkfelder 5' P Flume	10.92" PT	18.07	
	11:34 a.m.	Mwilkerson 4' P Flume	8.96" PT	10.63	
7/7/2021	11:34 a.m.	Reservoir Outlet	2.31' PT		Opened HG to increase release
	12:35 p.m.	Reservoir Outlet	2.36' PT		
7/7/2021	3:45 p.m.	LWW Coates 20' suppressed	7.01" PT	29.17	PT sensor mounted near bank eddy; head @ center of weir is 2" lower; flow likely 17.75 cfs
7/7/2021	3:45 p.m.	Grays Creek Ditch 12' Cip	10.23" PT	30.91	
	3:45 p.m.	M Wilkerson 4' P Flume	8.66" PT	10.1	
	3:45 p.m.	Schwenkfelder 5' P Flume	10.84" PT	17.87	
	1:00 p.m.	And Gul Splitter	2.90'		
	3:10 p.m.	Reservoir Outlet Canal	2.38' pt		
7/7/2021	2:34 p.m.	Allison 3' Rec Con			Battling beavers
7/7/2021	7:24 p.m.	LWW Coates	7.02" PT	29.23	More likely 17.81 cfs
	7:24 p.m.	Grays Ck Ditch 12' Cip	10.48" PT	32.04	submerged weir; readings not reliable
	7:24 p.m.	M Wilkerson 4' P Flume	8.59" PT	9.97	
		Schwenkfelder 5' P Flume	10.79" PT	17.74	
7/7/2021	8:45 p.m.	Donart 6' Cip	3.5"	3.14	
7/7/2021	9:00 p.m.	Allison 3' Rec Con			Bank full at weir; unable to measure
7/9/2021	7:00 a.m.	LWW Coates	6.78" PT	27.77	Actually, approx. 16.56 cfs
		Grays Ck Ditch 12' Cip	10.57" pt	32.45	submerged weir; readings not reliable
		Schwenkfelder 5' P Flume	11.46" PT	19.44	

DATE	TIME	SITE	WEIR MEASUREMENT1	EST CFS	NOTES
				NAT FLOW + STORED2	
		M Wilkerson 4' P Flume	9.22" PT	11.11	
7/9/2021	3:00 p.m.	Donart 6' Cip	6"	7	
	3:00 p.m.	Schwenkfelder Pumps	1060 GPM + 416.97 GPM		Lg + Sm line flow meters
	3:30 p.m.	Reservoir	51.5'		
7/11/2021	11:37 a.m.	Richardson 5' Cip	5"	4.45	
		America Lindsay 6' Cip	5.5"	6.15	
7/11/2021	12:15 p.m.	West Side Splitter 4' Cip	10"	10.08	
	12:35 p.m.	Reservoir	51.5'		
7/11/2021	10:30 a.m.	Reservoir Outlet Canal	2.3' PT		Both staff gauge & PT 2.3-2.4'
7/12/2021	11:30 a.m.	LWW Coates 20' suppressed	4"	12.73	I measured 4" at center of weir; PT = 6"
7/12/2021	12:00 p.m.	Grays Creek Ditch 12' Cip	10" PT	29.88	Submerged weir; readings are suspect.
7/12/2021	5:25 p.m.	Allison 3' Rec Con	.95'	8.76	Water spilling at div, ditch brim full at Gladhart Ln
	2:45 p.m.	Donart 6' Cip	6"	7	
	3:45 p.m.	West Side Splitter 4' Cip	8"	7.2	
7/12/2021	4:55 p.m.	Allison 3' Rec Con	.9'	8.09	Readings are suspect due to submerged weir.
	10:00 p.m.	Reservoir Outlet Canal	2.26' PT		
7/13/2021	9:00 a.m.	LWW Coates 20' suppressed	6.42" PT	25.62	More likely 14.75 cfs.
		Grays Ck Ditch 12' Cip	8.96" PT	25.37	Submerged weir; readings suspect
		Schwenkfelder 5' P Flume	10.64" PT	17.37	
		M Wilkerson 4' P Flume	8.24" PT	9.36	
7/13/2021	8:20 p.m.	Donart 6' Cip	4.5"	4.56	
	9:30 a.m.	And Gul Main Splitter	2.5'		Adj HG to bring stage to 2.68'.
	4:30 p.m.	Grays Ck Ditch 12' Cip			PT reads 1398 miners in.
7/13/2021	8:20 p.m.	Donart 6' Cip	4.5"	4.56	
	8:45 p.m.	Allison 3' Rec Con	.8'	6.81	Ditch full at Gladhart Ln
	8:55 p.m.	Mwilkerson 4' P Flume	7" PT	7.3	
7/13/2021	9:15 p.m.	Steward 3' Rec Con	5.5"	3	
7/14/2021	11:40 a.m.	LWW Coates 20' suppressed	6.45" PT	25.79	Likely closer to 14.9 cfs
	11:40 a.m.	Grays Ck Ditch 12' Cip	9.55" PT	27.9	Submerged weir; readings suspect
7/14/2021	11:40 a.m.	Schwenkfelder 5' P Flume	9.06" PT	13.6	

<u>DATE</u>	<u>TIME</u>	<u>SITE</u>	<u>WEIR MEASUREMENT1</u>	<u>EST CFS</u> <u>NAT FLOW +</u> <u>STORED2</u>	<u>NOTES</u>
	11:40 a.m.	M Wilkerson 4' P Flume	10.21" PT	12.97	
7/14/2021	12:30 p.m.	And Gul Main Splitter	2.88'		
		Reservoir	50.5'		
7/14/2021	4:30 p.m.	West Side Splitter 4' Cip	8"	7.2	
	10:00 p.m.	Grays Ck Ditch 12' Cip	10" PT	29.88	Submerged weir; readings suspect
7/15/2021	5:30 a.m.	LWW Coates 20' suppressed	6.02" PT	23.29	Likely closer to 12.82 cfs
7/15/2021	5:30 a.m.	Grays Ck Ditch 12' Cip	10.22" PT	30.86	Submerged weir; readings suspect
	5:30 a.m.	Schwenkfelder 5' P Flume	6.83" PT	8.84	
	5:30 a.m.	Mwilkerson 4' P Flume	8.82" PT	10.38	
7/15/2021	12:08 p.m.	Allison 3' Rec con	.5'	3.41	Submerged weir; readings suspect
	11:23 a.m.	Donart 6' Cip	2.5"	1.91	
	2:10 p.m.	And Gul Splitter	2.95'		
7/15/2021	1:00 p.m.	LWW Coates 20' suppressed	5.88" PT	22.5	More likely 12.17 cfs.
	1:00 p.m.	Grays Ck Ditch 12' Cip	9.78" PT	28.91	Submerged weir; readings suspect
	1:00 p.m.	Schwenkfelder 5' P Flume	7.71" PT	10.64	
	1:00 p.m.	M Wilkerson 4' P flume	9.22" PT	11.11	
7/15/2021	2:30 p.m.	West Side Splitter 4' Cip	1"	0.33	Low flow in And Gul, beaver debris at HG
	3:00 p.m.	West Side Splitter 4' Cip	9"	8.6	Opened HG, flushed debris, reset HG
7/15/2021	3:25 p.m.	And Gul Splitter	3.0'		
7/15/2021	3:50 p.m.	Moritz 4' Rec Con		4.02	Red line on concrete
	4:00 p.m.	Steward 3' Rec Con	7"	4.28	
	4:15 p.m.	Grays Ck Ditch 12' Cip	10"	29.88	Staff gauge; submerged weir
7/15/2021	4:35 p.m.	LWW Coates 20' suppressed	5.87" PT	22.44	More likely 12.12 cfs
	4:35 p.m.	Schwenkfelder Parshall Flume	7.62" PT	10.45	
7/16/2021	7:15 a.m.	Grays Ck Ditch 12' Cip	10.25" PT	31	Submerged weir; readings suspect
		Schwenkfelder 5' P Flume	9.03" PT	13.53	
		M Wilkerson 4' P Flume	10.3" PT	13.15	
					Approx. 36 hrs after opening res HG & clearing beaver debris in WS splitter, flow increased at west end weirs.

DATE	TIME	SITE	WEIR MEASUREMENT1	EST CFS	NOTES
				NAT FLOW + STORED2	
7/16/2021	11:10 a.m.	Mwilkerson 4' P Flume	8.88" PT		Adj. HG to reduce excess flow
	11:45 a.m.	Donart 6' Cip	3.5"	3.14	
7/16/2021	12:55 p.m.	LWW Coates 20' suppressed	5.98" PT	23.06	More likely 12.63 cfs
	12:55 p.m.	Grays Ck Ditch 12' Cip	9.73" PT	28.69	Submerged weir; readings suspect
	12:55 p.m.	Schwenkfelder Parshall Flume	9.87" PT	15.49	
	12:55 p.m.	M Wilkerson	9.12" PT	10.92	
	12:55 p.m.	Reservoir outlet	2.36' PT		
7/16/2021	3:25 p.m.	Allison 3' Rec Coon	.6'	4.46	Submerged weir + moss; readings suspect. Ditch full at Gladhart Ln
7/16/2021	6:00 p.m.	Mwilkerson 4' P Flume	8.9"	10.53	
7/17/2021	6:12 a.m.	LWW Coates 20' suppressed	5.94" PT	22.84	More likely 12.45 cfs
		Grays Ck Ditch 12' Cip	10.05" PT	30.1	Submerged weir; readings suspect
		Schwenkfelder 5' P Flume	9.18" PT	13.87	
		M Wilkerson 4' P Flume	9.68" PT	11.96	
7/17/2021	8:30 a.m.	And Gul Splitter	3.0		
7/17/2021	8:45 a.m.	West Side Splitter 4' Cip	10.5"	10.85	Cleared beaver debris fr HG to restore flow
7/17/2021	11:00 a.m.	Mwilkerson 4' P Flume	10" PT	12.57	
7/17/2021	11:30 a.m.	West Side Splitter 4' Cip	10"	10.08	Weir was flooded; trimmed HG to reduce excess flow
7/17/2021	1:30 p.m.	LWW Coates 20' suppressed	6.02" PT	23.29	More likely 12.82 cfs
	1:30 p.m.	Grays Ck Ditch 12' Cip	10.07" PT	30.19	Submerged weir; readings suspect
7/17/2021	1:50 p.m.	Mwilkerson 4' P Flume	9.76" PT	12.11	
	2:15 p.m.	Allison			Very little water in ditch; HG open
	2:30 p.m.	Donart 6' Cip	3"	2.5	
		Schwenkfelder Pumps	529 GPM		Small line only
	2:45 p.m.	Schwenkfelder 5' P Flume	11"	18.27	Took reading at staff gauge
7/17/2021	3:30 p.m.	LWW Coates	5.8" PT	22.05	Likely 11.8
	3:30 p.m.	Grays Ck Ditch 12' Cip	9.38" PT	26.83	submerged weir; readings suspect
	3:30 p.m.	Schwenkfelder 5' P Flume	11.17" PT	18.7	
7/17/2021	3:30 p.m.	Mwilkerson 4' P Flume	8.5" PT	9.81	
	7:45 p.m.	West Side Splitter 4' Cip	13"	15	Flow exceeds weir capacity; reading suspect
7/17/2021	8:20 p.m.	Reservoir Outlet Canal	2.35' PT		

DATE	TIME	SITE	WEIR MEASUREMENT1	EST CFS	NOTES
				NAT FLOW + STORED2	
7/18/2021	12:15 p.m.	LWW Coates 20' suppressed	5.61" PT	20.99	Likely 10.94 cfs
	12:15 p.m.	Grays Ck Ditch 12' Cip	9.34" PT	26.99	Submerged weir; readings suspect
	12:15 p.m.	Schwenkfelder 5' P Flume	10.96" PT	18.17	
	12:15 p.m.	M Wilkerson 4' P Flume	8.42" PT	9.67	
	12:15 p.m.	Reservoir Outlet Canal	2.33' PT		
7/18/2021	1:00 p.m.	Allision 3' Rec Con	1.2'	12.34	Water overtopping structure at Gladhart
	1:15 p.m.	Donart 6' Cip	3.5"	3.14	
		Schwenkfelder Pumps	497 GPM		Sm line only; cumulative Lg line 241,422
7/18/2021	1:50 p.m.	Moritz 4' Rec Con	4.25"	2.75	
	2:15 p.m.	Steward 3' Rec Con	6"	3.41	
7/18/2021	2:30 p.m.	West Side Splitter 4' Cip	12"	13.28	Water flowing around weir; trimmed HG
	2:45 p.m.	Am Lindsay 6' Cip	5"	5.34	
7/18/2021	3:00 p.m.	Richardson 5' Cip	4.5"	3.8	
	3:10 p.m.	LWW Coates 20' suppressed	4"	12.73	PT reads 5.62"; actual meas = 4".
	4:00 p.m.	Allision 3' Rec Con	1.2'	12.34	
7/18/2021	4:30 p.m.	Grays Ck Ditch 12' Cip	9.46" PT	27.51	Submerged weir; readings suspect
7/18/2021	4:30 p.m.	Schwenkfelder 5' P Flume	10.56" PT	17.17	
7/18/2021	4:30 p.m.	M Wilkerson 4' P Flume	8.14" PT	9.19	
7/19/2021	5:35 p.m.	Allison 3' Rec Con	1'	9.45	
7/19/2021	8:03 p.m.	Reservoir Outlet Canal	2.35' PT		
	8:03 p.m.	LWW Coates	5.85" PT	22.33	Likely 12.73 cfs
	8:03 p.m.	Grays Ck Ditch 12' Cip	9.57" PT	27.99	Submerged weir; readings suspect
	8:03 p.m.	Schwenkfelder 5' P Flume	10.71 PT	17.54	
	8:03 p.m.	M Wilkerson 4' P Flume	8.25" PT	9.38	
7/20/2021	9:20 p.m.	LWW Coates	6.04" PT	23.41	Likely 12.92 cfs
7/20/2021	9:20 p.m.	Grays Ck Ditch 12' Cip	9.61" PT	28.16	Submerged weir; readings suspect
	9:20 p.m.	Schwenkfelder 5' P Flume	10.4" PT	16.77	
7/20/2021	9:20 p.m.	Mwilkerson 4' P Flume	8.19" PT	9.27	
	7:15 p.m.	Reservoir	48.25'		
7/20/2021	7:20 p.m.	West Side Splitter 4' Cip	10"	10.08	Pulled beaver debris fr ditch
7/21/2021	10:00 a.m.	Grays Ck Ditch 12' Cip	9.47" PT	27.55	Submerged weir; readings suspect

DATE	TIME	SITE	WEIR MEASUREMENT1	EST CFS	NOTES
				NAT FLOW + STORED2	
	10:00 a.m.	Schwenkfelder 5' P Flume	10.60" PT	17.27	
7/21/2021	10:00 a.m.	Mwilkerson 4' P Flume	8.3" PT	9.46	
7/21/2021	10:00 a.m.	Res Outlet Canal	2.33' PT		
7/21/2021	1:30 p.m.	Allison 3' Rec con	.7'	5.6	Submerged weir; no critical flow; inaccurate
7/22/2021	1:10 p.m.	Moritz 4' Rec Con	4"	2.52	
	1:25 p.m.	Steward 3' Rec Con	6"	3.41	
7/22/2021	12:30 p.m.	Donart 6' Cip	3"	2.5	
		Schwenkfelder Pumps	402 GPM		sm line only; cumulative Lg line 243,313
7/22/2021	12:45 p.m.	Allison 3' rec con	.78'	6.56	Submerged weir; no critical flow; inaccurate
	4:30 p.m.	LWW Coates 20' suppressed	5.37" PT	19.67	Likely closer to 12.73 cfs
	4:30 p.m.	Grays Ck Ditch 12' Cip	9.28" PT	26.73	Submerged weir; readings suspect
7/22/2021	4:30 p.m.	Schwenkfelder 5' P Flume	10.64" PT	17.37	PT calc 825.6 miners in.
7/22/2021	4:30 p.m.	M Wilkerson 4' P Flume	8.15" PT	9.21	PT calc 434.4 miners in.
7:23/2021	10:45 a.m.	And Gul Splitter	3.1'		
	11:00 a.m.	West Side Splitter 4' Cip	5.5"	4.11	
7/23/2021	11:45 a.m.	Reservoir	46.5'		
7/24/2021	8:00 a.m.	LWW Coates 20' suppressed	5.36" PT	19.62	Likely closer to 14.46 cfs
7/24/2021	8:00 a.m.	Grays Ck Ditch 12' Cip	9.91" PT	29.48	Submerged weir; readings suspect
	8:00 a.m.	Schwenkfelder 5' P Flume	11.95" PT	20.72	PT calc 993 miners in
7/24/2021	8:00 a.m.	Mwilkerson 4' P Flume	8.95" PT	10.62	PT calc 504 miners in
7/25/2021	11:00 a.m.	Donart 6' Cip	6.25"	7.44	
		Schwenk Pumps	375 GPM		sm line only; lg line cumulative 245,791
	12:00 p.m.	Allison			minimal flow; beaver debris at HG
7/25/2021	12:15 p.m.	M Wilkerson 4' P Flume	9" PT	10.71	
7/25/2021	12:35 p.m.	Underwood 8x16" sub or	.8"	3.89	Est. diff; staff gauge hard to read
7/26/2021	3:00 p.m.	LWW Coates 20' suppressed	3"	8.32	I measured 3" all across weir blade; PT reads 5.18"
7/26/2021	3:15 p.m.	Richardson 5' Cip	4"	3.19	
7/26/2021	7:20 p.m.	Am Lindsay 6' Cip	4"	3.83	
7/27/2021	7:30 a.m.	Grays Ck Ditch 12' Cip	9.66" PT	28.38	Submerged weir; readings suspect
7/27/2021	7:30 A.m.	Schwenkfelder 5' P Flume	11.67" PT	19.99	PT calc 956 miners in
	7:30 a.m.	Mwilkerson 4' P Flume	8.52" PT	9.85	PT calc 466 miners in

DATE	TIME	SITE	WEIR MEASUREMENT1	EST CFS	NOTES
				NAT FLOW + STORED2	
7/28/2021	7:30 p.m.	Res Outlet Canal	2.31' PT		
7/29/2021	10:00 a.m.	Reservoir	45.5'		Water level is below end of dock.
2/29/2021	10:30 a.m.	And Gul Splitter	3.02'		
2/29/2021	10:30 a.m.	West Side Splitter 4' Cip	1"	0.33	Cleared beaver debris fr HG, flushed, re set HG
	11:00 a.m.	West Side Splitter 4' Cip	3"	1.67	
2/29/2021	12:00 p.m.	Underwood 8x16" Sub Or	.12'	1.51	Someone opened HG; I reset to deliver 75.5 miners in
	12:15 p.m.	Allison	.5'	3.41	
7/29/2021	12:20 p.m.	Allison Pumps	1019.4		Cumulative 207,506.8 gal
7/29/2021	12:35	Donart	2.5"	1.91	
	12:40	Schwenk Pump	960 GPM		Cumulative 249,509 + 108,132
7/30/2021	8:15 a.m.	LWW Coates 20' suppressed	4.61" PT	15.7	Likely closer to 8.32 cfs
7/30/2021	8:15 a.m.	Grays Ck Ditch 12' Cip	9.25" PT	26.6	Submerged weir; readings suspect
7/30/2021	8:15 a.m.	Schwenkfelder 5' P Flume	10.23" PT	16.36	PT calc 776 miners in
		M Wilkerson 4' P Flume	7.69 "PT	8.43	PT cald 396 miners in
7/30/2021	8:40 a.m.	West Side Splitter 4' Cip	2"		Cleared debris, opened HG to flush, reset
	9:20 a.m.	And Gul Splitter	3.02'		Adj HG to bring to 3.1' on staff gauge
7/30/2021	9:45 a.m.	Moritz 4' Rec Con	4.5"	2.99	
	10:15 a.m.	Steward 3' Rec Con	6.5"	3.84	
7/30/2021	10:35 a.m.	Underwood 8x16" sub or	.6'	3.37	
7/30/2021	5:00 p.m.	West Side Splitter 4' Cip	5.5"	4.11	
7/31/2021	9:15 a.m.	Grays Ck Ditch 12' Cip	9.5" PT	27.68	PT calc 1423 miners in. Submerged weir; readings suspect.
7/31/2021	9:15 a.m.	Schwenkfelder 5' P Flume	8.61" PT	12.58	PT calc 591 miners in.
	9:15 a.m.	M Wilkerson 4' P Flume	7.71" PT	8.46	PT calc 398 miners in.
7/31/2021	10:15 a.m.	West Side Splitter 4' Cip	12"	13.28	
	10:30 a.m.	And Gul Splitter	3.1		
	11:35 a.m.	Schwenk Pump	1030 GPM + 398 GPM		Cumulative 252,360 + 108,810
	11:40 a.m.	Donart 6' Cip	3.75"	3.48	
7/31/2021	11:45 a.m.	Allison 3' Rec Con	.62'	4.68	
	12:30 p.m.	Reservoir	44.5'		

DATE	TIME	SITE	WEIR MEASUREMENT1	EST CFS	NOTES
				NAT FLOW + STORED2	
8/1/2021	8:30 a.m.	Grays Ck Ditch 12' Cip	9.87" PT	29.3	PT calc 1506 miners in.
	8:30 a.m.	Schwenkfelder 5' P Flume	9.21" PT	13.94	PT calc 657 miners in.
	8:30 a.m.	Mwilkerson 4' P Flume	8.08" PT	9.09	PT calc 425 miners in.
8/1/2021	10:30 a.m.	West Side Splitter 4' Cip	10.5"	10.85	It takes 48-72 hrs to restore flow to west end after clearing debris, restoring flow at West Side Splitter.
8/1/2021	3:30 p.m.	Richardson 5' Cip	4"	3.19	
	3:40 p.m.	LWW Coates 20' suppressed	3.5"	10.45	PT read 5.5"; I measured 3.5".
	3:50 p.m.	Am Lindsay 6' Cip	5"	5.34	
8/2/2021	7:53 a.m.	Grays Ck Ditch 12' Cip	9.91" PT	29.48	Submerged weir; readings suspect. PT calc 1517 miners in.
8/2/2021	7:53 a.m.	Schwenkfelder Ditch 5' P Flume	11.21" PT	18.8	PT calc 897 miners in.
	7:53 a.m.	M Wilkerson 4' P Flume	8.66" PT	10.1	PT calc 479 miners in.
	9:00 a.m.	West Side Splitter 4' Cip	10"	10.08	
8/2/2021	12:40 p.m.	Allison	.42'	2.64	
8/2/2021	12:55 p.m.	Schwenkfelder Pump	1064 GPM + 513 GPM		Cumulative 252,731 + 110,000
	1:00 PM	Donart 6' Cip	3"	2.5	
8/3/2021	9:15 a.m.	LWW Coates 20' suppressed	5.21" PT	18.81	Likely closer to 9.19 cfs
8/3/2021	9:15 a.m.	Grays Ck Ditch 12' Cip	9.93" PT	29.57	PT calc 1521 miners in. Submerged weir; readings suspect.
8/3/2021	9:15 a.m.	Schwenkfelder 5' Parshall Flume	9.52" PT	14.66	PT 692 miners in.
8/3/2021	9:15 a.m.	MWilkerson 4' P Flume	8.34" PT	9.53	PT calc 451 miners in.
8/3/2021	9:15 a.m.	Res Outlet Canal	2.32' PT		
8/3/2021	9:15 a.m.	LWW Coates 20' suppressed	5.21" PT	18.81	Likely closer to 9.19 cfs
8/3/2021	9:15 a.m.	Grays Ck Ditch 12' Cip	9.93" PT	29.57	
8/3/2021	9:15 a.m.	Schwenkfelder Ditch 5' P Flume	9.52" PT	14.56	PT calc 692 miners in.
8/3/2021	9:15 a.m.	Mwilkerson 4' P Flume	8.34" PT	9.53	PT calc 451 miners in.
	10:00 a.m.	West Side Splitter 4' Cip	14"	16.79	Weir was flooded; trimmed HG to reduce excess flow, cleared beaver debris fr Lower Canal.

DATE	TIME	SITE	WEIR MEASUREMENT1	EST CFS	NOTES
				NAT FLOW + STORED2	
8/3/2021	10:18 a.m.	And Gul Splitter	3.1'		Adj HG to bring to 3.0' on staff gauge before increasing release fr res.
	10:30 a.m.	Reservoir	44'		
8/3/2021	5:30 p.m.	And Gul Splitter	3.2		
	6:20 p.m.	Yantis N Westside	4.5"		Weir inundated, water flowing around structure & overfilling culvert; adj HG to balance.
8/3/2021	6:30 p.m.	West Side Splitter 4' Cip			Weir inundated; adj HG to reduce flow.
8/4/2021	6:30 a.m.	LWW Coates 20' suppressed	4.88" PT	17.08	Likely closer to 9.15 cfs
8/4/2021	6:30 a.m.	Grays Ck Ditch 12' Cip	10.03" PT	30.01	PT calc 1544 miners in. Submerged weir; readings suspect.
	6:30 a.m.	Schwenkfelder Ditch 5' P Flume	11.67" PT	19.99	PT calc 957 miners in.
8/4/2021	6:30 a.m.	Mwilkerson 4' P Flume	9.16" PT	11	PT calc 523 miners in.
	6:30 a.m.	Reservoir Outlet Canal	2.37' PT		
8/5/2021	11:30 a.m.	LWW Coates 20' suppressed	4.52" PT	15.25	Likely closer to 6.43 cfs
8/5/2021	11:30 a.m.	Grays Ck Ditch 12' Cip	9.5" PT	27.68	PT calc 1423 miners in. Submerged weir; readings suspect.
8/5/2021	11:30 a.m.	Schwenkfelder Ditch 5' P Flume	10.76"PT	17.66	PT calc 841 miners in.
8/5/2021	11:30 a.m.	Mwilkerson 4' P Flume	9.38" PT	11.4	PT calc 542 miners in.
	4:30 p.m.	LWW Coates 20' suppressed	3"	8.32	I measured 3"; PT reads 4.38".
8/5/2021	4:40 p.m.	Richardson 5' Cip	4"	3.1	Trimmed HG to achieve 3.5" head
8/5/2021	5:12 p.m.	Am Lindsay 6' Cip	3.25"	2.81	
	5:44 p.m.	West Side Splitter 4' Cip			Inundated weir; cannot measure flow.
8/5/2021	6:15 p.m.	Underwood 8x16" sub or			Water above staff gauge; not readable
	6:45 p.m.	Yantis N Westside	2.25"	0.53	Est. 2' Rec Con weir. Need to confirm.
8/5/2021	6:55 p.m.	LWW Coates 20' suppressed	4.43" PT	14.8	Likely closer to 8.32 cfs
	6:55 p.m.	Grays Ck Ditch 12' Cip	6.16" PT	14.54	PT calc 742 miners in. ; submerged weir, readings suspect
8/5/2021	6:55 p.m.	Schwenkfelder Ditch 5' P Flume	10.49" PT	16.99	PT calc 808 miners in.
	6:55 p.m.	M Wilkerson 4' P Flume	9.14" PT	10.96	PT calc 521 miners in.
8/5/2021	10:00 p.m.	Reservoir Outlet Canal	2.36' PT		
8/6/2021	6:25 a.m.	Grays Ck Ditch 12' Cip	7.34" PT	18.86	PT calc 966 miners in.
	6:25 a.m.	Schwenkfelder Ditch 5' P Flume	11.14" PT	18.62	PT calc 889 miners in.

DATE	TIME	SITE	WEIR MEASUREMENT1	EST CFS	NOTES
				NAT FLOW + STORED2	
	6:25 a.m.	M Wilkerson 4' P Flume	9.59" PT	11.79	PT calc 561 miners in.. At 9:30 a.m., trimmed HG to reduce flow to approp. volume of 384 miners in.
8/6/2021	9:30 a.m.	M Wilkerson 4' P Flume	9.72" PT		
8/6/2021	9:43 a.m.	Allison 3' Rec Con	1.02'	9.72	Ditch is bank full, measurement questionable
8/6/2021	9:58 a.m.	Donart 6' Cip	3"	2.5	
8/7/2021	9:00 a.m.	LWW Coates 20' suppressed	5.12" PT	18.33	Likely closer to 8.82 cfs.
8/7/2021	9:00 a.m.	Grays Ck Ditch 12' Cip	7.31" PT	18.74	PT calc 961 miners in. ; submerged weir, readings suspect
8/7/2021	9:00 a.m.	Schwenkfelder Ditch 5' P Flume	11.63" PT	19.88	PT calc 951 miners in.
8/7/2021	9:00 a.m.	M Wilkerson 4' P Flume	8.99" PT	10.69	PT calc 507 miners in.
8/8/2021	11:00 a.m.	West Side Splitter 4' Cip			Weir completely inundated, not measurable; trimmed HG
8/8/2021	11:30 a.m.	Reservoir	43'		
8/9/2021	11:00 a.m.	LWW Coates 20' suppressed	4.75" PT	16.41	Likely closer to 8.32 cfs
8/9/2021	11:00 a.m.	Grays Ck Ditch 12' Cip	7.66" PT	20.1	PT calc 1029 miners in. ; submerged weir, readings suspect
8/9/2021	11:00 a.m.	Schwenkfelder Ditch 5' P Flume	11.10" PT	18.52	PT calc 883 miners in.
8/9/2021	11:00 a.m.	M Wilkerson 4' P Flume	8.92" PT	10.56	PT calc 501 miners in.
8/9/2021	11:00 a.m.	Reservoir Outlet Canal	2.36' PT		
8/10/2021	11:30 a.m.	And Gul Splitter	2.88' PT		
8/10/2021	11:50 a.m.	Steward 3' Rec Con	9"	6.19	
8/10/2021	12:00 p.m.	Moritz 4' Rec Con	10"	9.7	Someone opened HG; I reset to deliver 2.19 cfs
8/11/2021	8:30 a.m.	LWW Coates 20' suppressed	4.5" PT	15.15	Likely closer to 8.32 cfs
8/11/2021	8:30 a.m.	Grays Ck Ditch 12' Cip	7.57" PT	19.75	PT calc 1012 miners in. ; submerged weir, readings suspect
8/11/2021	8:30 a.m.	Schwenkfelder Ditch 5' P Flume	10.96" PT	18.17	PT calc 866 miners in.
8/11/2021		M Wilkerson 4' P Flume	8.82" PT	10.38	PT calc 492 miners in.
8/11/2021	12:30 p.m.	Donart 6' Cip	4"	3.83	
8/11/2021		Schwenkfelder Pump			Cumulative 263,170, 112, 336. No lines running now.
8/11/2021	12:45 p.m.	Allison 3' Rec Con	.9'	8.09	
8/11/2021	12:55 p.m.	Allison Pumps	1044 GPM		Cumulative 217,829
8/11/2021	1:05 p.m.	M Wilkerson 4' P Flume			Trimmed HG to deliver approp. volume of 383 miners in
8/12/2021	12:10 p.m.	LWW Coates 20' suppressed	3"	8.32	I measured 3" at center of weir, 4" under PT sensor.
8/12/2021	12:15 p.m.	Richardson 5' Cip	3.5"	2.62	

DATE	TIME	SITE	WEIR MEASUREMENT1	EST CFS	NOTES
				NAT FLOW + STORED2	
8/12/2021	12:10 p.m.	Little Weiser	3"		
8/12/2021	12:40 p.m.	Am Lindsay 6' Cip	3.5"	3.14	
8/13/2021	6:30 a.m.	LWW Coates 20' suppressed	4.23" PT	13.82	Likely 9.28 cfs.
8/13/2021	6:30 a.m.	Grays Ck Ditch 12' Cip	7.27" PT	18.59	PT calc 952 miners in. ; submerged weir, readings suspect
8/13/2021	6:30 a.m.	Schwenkfelder Ditch 5' P Flume	10.58" PT	17.22	PT calc 819 miners in.
8/13/2021	6:30 a.m.	M Wilkerson 4' P Flume	7.7" PT	8.44	PT calc 398 miners in.
8/13/2021	3:15 p.m.	West Side Splitter 4' Cip	12"	13.28	Water overflowing around weir; pulled debris fr lower canal
8/13/2021	3:30 p.m.	And Gulch Splitter	2.74'		
8/14/2021	9:45 a.m.	LWW Coates 20' suppressed	4.16" PT	13.49	likely 6.35 cfs
8/14/2021	9:45 a.m.	Grays Ck Ditch 12' Cip	7.19" PT	18.29	PT calc 937 miners in.; submerged weir, readings suspect
8/14/2021	9:45 a.m.	Schwenkfelder Ditch 5' P Flume	10.14" PT	16.14	PT calc 766 miners in.
8/14/2021	9:45 a.m.	M Wilkerson 4' P Flume	7.58" PT	8.24	PT calc 387 miners in.
8/14/2021	11:20 a.m.	Reservoir	40'		
8/14/2021	11:30 a.m.	And Gulch Splitter	2.8'		
8/14/2021	12:20 p.m.	West Side Splitter 4' Cip	13"	15	
8/16/2021	7:45 a.m.	LWW Coates 20' suppressed	4.08" PT	12.96	likely closer to 8.52 cfs
8/16/2021	7:45 a.m.	Grays Ck Ditch 12' Cip	7.34" PT	18.86	PT calc 966 miners in. ; submerged weir, readings suspect
8/16/2021	7:45 a.m.	Schwenkfelder Ditch 5' P Flume	10.39" PT	16.75	PT calc 795 miners in.
8/16/2021	7:45 a.m.	MWilkerson 4' P Flume	7.7" PT	8.44	PT calc 398 miners in.
8/17/2021	12:15 p.m.	West Side Splitter 4' Cip	13"		Too much volume for the weir; flowing around structure
8/17/2021	12:50 p.m.	Moritz 4' Rec Con	4"	2.52	
8/17/2021	12:58 p.m.	Steward 3' Rec Con	8"	5.21	
8/18/2021	11:30 a.m.	Underwood 8x16" sub or	1"	1.26	
8/18/2021	12:30 p.m.	Allison 3' rec con	.49'	3.31	Livestock trampled around weir structure; reading suspect
8/18/2021	1:05 p.m.	Donart 6' Cip	3.25"	2.81	Weir is mossy
8/18/2021	7:50 p.m.	LWW Coates 20' suppressed	4.18" PT	13.58	Likely closer to 6.35 cfs
	7:50 p.m.	Grays Ck Ditch 12' Cip	7.19" PT	18.29	PT calc 937 miners in. ; submerged weir, readings suspect
8/18/2021	7:50 p.m.	Schwenkfelder Ditch 5' P Flume	10.89" PT	17.99	PT calc 858 miners in.
8/18/2021	7:50 p.m.	MWilkerson 4' P Flume	7.62" PT	8.31	PT calc 391 miners in
8/20/2021	10:30 a.m.	LWW Coates 20' suppressed	4.02" PT	12.82	Likely closer to 6.35 cfs
8/20/2021	10:30 a.m.	Grays Ck Ditch 12' Cip	6.95" PT	17.39	PT calc 890 miners in. ; submerged weir, readings suspect

DATE	TIME	SITE	WEIR MEASUREMENT ¹	EST CFS	NOTES
				NAT FLOW + STORED ²	
8/20/2021	10:30 a.m.	Schwenkfelder Ditch 5' P Flume	10.37" PT	16.7	PT calc 793 miners in.
8/20/2021	10:30 a.m.	M Wilkerson 4' P Flume	7.84" PT	8.68	PT calc 409 miners in.
8/23/2021	7:30 a.m.	LWW Coates 20' suppressed	4.12" PT	13.3	Likely closer to 6.35 cfs
8/23/2021	7:30 a.m.	Grays Ck Ditch 12' Cip	7.43" PT	19.02	PT calc 984 miners in. ; submerged weir, readings suspect
8/23/2021	7:30 a.m.	Schwenkfelder Ditch 5' P Flume	8.03" PT	11.32	PT calc 529 miners in.
8/23/2021	7:30 a.m.	M Wilkerson 4' P Flume	8.18" PT	9.26	PT calc 437 miners in.
8/23/2021	4:25 p.m.	Richardson 5' Cip	3"	2.08	
8/23/2021	4:45 p.m.	America Lindsay 6' Cip	2.75"	2.2	
8/23/2021	5:15 p.m.	Schwenk Pump	395 GPM		Cumulative 264,664 and 114,788
8/23/2021	5:20 p.m.	Donart 6' Cip	6"	7	
8/23/2021	5:35 p.m.	Allison 3' Rec Con	.69'	5.48	
8/23/2021	6:00 p.m.	M Wilkerson 4' P Flume	7.88" PT	8.75	PT calc 412 miners in.
8/23/2021	6:15 p.m.	Underwood 8x16" sub or	2.25"	1.88	
8/23/2021	6:30 p.m.	Reservoir	34.5'		
8/24/2021	9:55 a.m.	West Side Splitter 4' Cip	13"		Water flooding around weir; measurement not accurate.
8/24/2021	10:20 a.m.	And Gulch Splitter	2.74'		
8/24/2021	10:50 a.m.	Moritz 4' Rec Con	3.75"	2.29	
	11:10 a.m.	Steward 3' Rec Con	8.25"	5.45	
8/25/2021	7:51 a.m.	LWW Coates 20' suppressed	4.02" PT	12.82	Likely closer to 6.35 cfs
8/25/2021	7:51 a.m.	Grays Ck Ditch 12' Cip	7.62" PT	19.94	PT calc 1023 miners in. ; submerged weir, readings suspect
8/25/2021	7:51 a.m.	Schwenkfelder Ditch 5' P Flume	10.28" PT	16.48	PT calc 758 miners in.
8/25/2021	7:51 a.m.	M Wilkerson 4' P Flume	7.96" PT	8.88	PT calc 419 miners in.
8/30/2021	7:00 a.m.	LWW Coates 20' suppressed	4.04" PT	12.92	likely closer to 5.44 cfs
8/30/2021	7:00 a.m.	Grays Ck Ditch 12' Cip	7.49" PT	19.44	PT calc 997 miners in. ; submerged weir, readings suspect
8/30/2021	7:00 a.m.	Schwenkfelder Ditch 5' P Flume	9.63" PT	14.92	PT calc 705 miners in.
8/30/2021	7:00 a.m.	M Wilkerson 4' P Flume	7.75" PT	8.53	PT calc 401 miners in.
8/31/2021	1:45 p.m.	Schwenkfelder Pump	490 GPM		Cumulative 264,664 and 119,434
8/31/2021	1:50 p.m.	Donart 6' Cip	2"	1.37	
8/31/2021	2:05 p.m.	Allision 3' Rec Con	.51'	3.51	
9/3/2021	11:45 a.m.	LWW Coates 20' suppressed	3.73" PT	11.48	likely closer to 4.57 cfs
9/3/2021	11:45 a.m.	Grays Ck Ditch 12' Cip	6.96" PT	17.43	PT calc 893 miners in. ; submerged weir, readings suspect

DATE	TIME	SITE	WEIR MEASUREMENT ¹	EST CFS		NOTES
				NAT FLOW + STORED ²		
9/3/2021	11:45 a.m.	Schwenkfelder Ditch 5' P Flume	9.52" PT	14.66		PT calc 692 miners in.
9/3/2021	11:45 a.m.	MWilkerson 4' P Flume	7.8" PT	8.61		PT calc 406 miners in.
9/3/2021	3:30 p.m.	Reservoir	21'			
9/3/2021	3:40 p.m.	And Gulch Splitter	2.4'			
9/3/2021	3:45 p.m.	West Side Splitter 4' Cip				Unable to measure; livestock trampled all around weir
9/3/2021	5:00 p.m.	Richardson 5' Cip	3.5"	2.62		
9/3/2021	5:15 p.m.	Am Lindsay 6' Cip	2.25"	1.63		
9/6/2021	12:10 p.m.	LWW Coates 20' suppressed	3.57" PT	10.76		Likely closer to 3.75 cfs
9/6/2021	12:10 p.m.	Grays Ck Ditch 12' Cip	6.54" PT	15.89		PT calc 807 miners in. ; submerged weir, readings suspect
9/6/2021	12:10 p.m.	Schwenkfelder Ditch 5' P Flume	9.29" PT	14.13		PT calc 666 miners in.
9/6/2021	12:10 p.m.	MWilkerson 4' P Flume	7.67" PT	8.39		PT calc 395 miners in.
9/7/2021	7:15 p.m.	Moritz 4' Rec Con	4"	2.52		Trimmed HG
9/7/2021	7:25 p.m.	Steward 3' Rec Con	3"	1.23		
9/7/2021	7:45 p.m.	Underwood 8x16" sub or	1.5"	1.54		HG was wide open; I trimmed to deliver approp volume.
9//7/2021	8:30 p.m.	PivoTrac				
1 PT is PivoTrac Reading						
2 Due to unreliable weir function, such as submerged weirs at Grays Ck Ditch and Allison, volume of water delivered is estimated. Volume is combination of natural flow and water released from storage in Ben Ross Reservoir.						