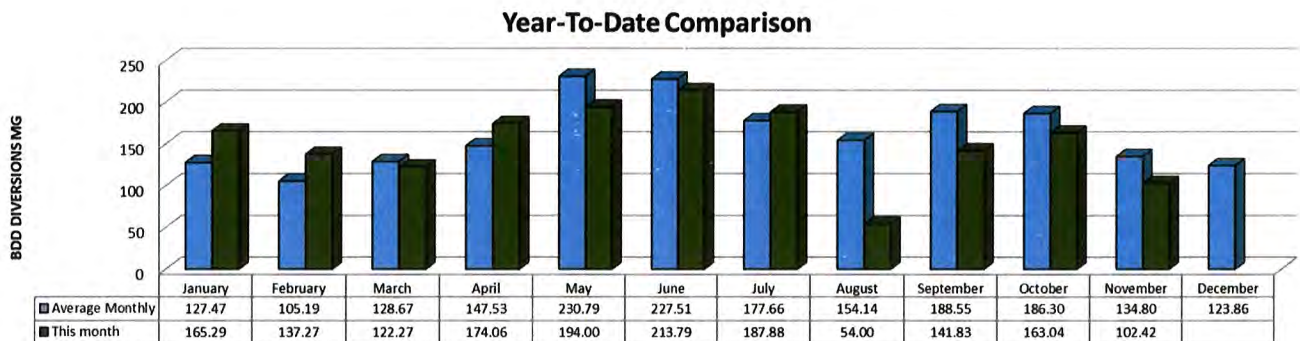




Date: December 1, 2022
To: Buckman Direct Diversion Board
From: Randy Sugrue, BDD Operations Superintendent
Subject: Update on BDD Operations for the Month of November 2022

ITEM:

1. This memorandum is to update the Buckman Direct Diversion Board (BDDDB) on BDD operations during the month of November 2022. The BDD diversions and deliveries have averaged, in Million Gallons Per Day (MGD) as follows:
 - a. Raw water diversions: 3.41 MGD.
 - b. Drinking water deliveries through Booster Station 4A/5A: 3.07 MGD.
 - c. Raw water delivery to Las Campanas at BS2A: 0.21 MG
 - d. Onsite treated and non-treated water storage: 0.13 MGD Average.
2. The BDD is providing approximately 44% percent of the water supply to the City and County for the month.
3. The BDD year-to-date diversions are depicted below:



4. Regional Demand/Drought Summary and Storage-see page 2.



Regional Water Overview

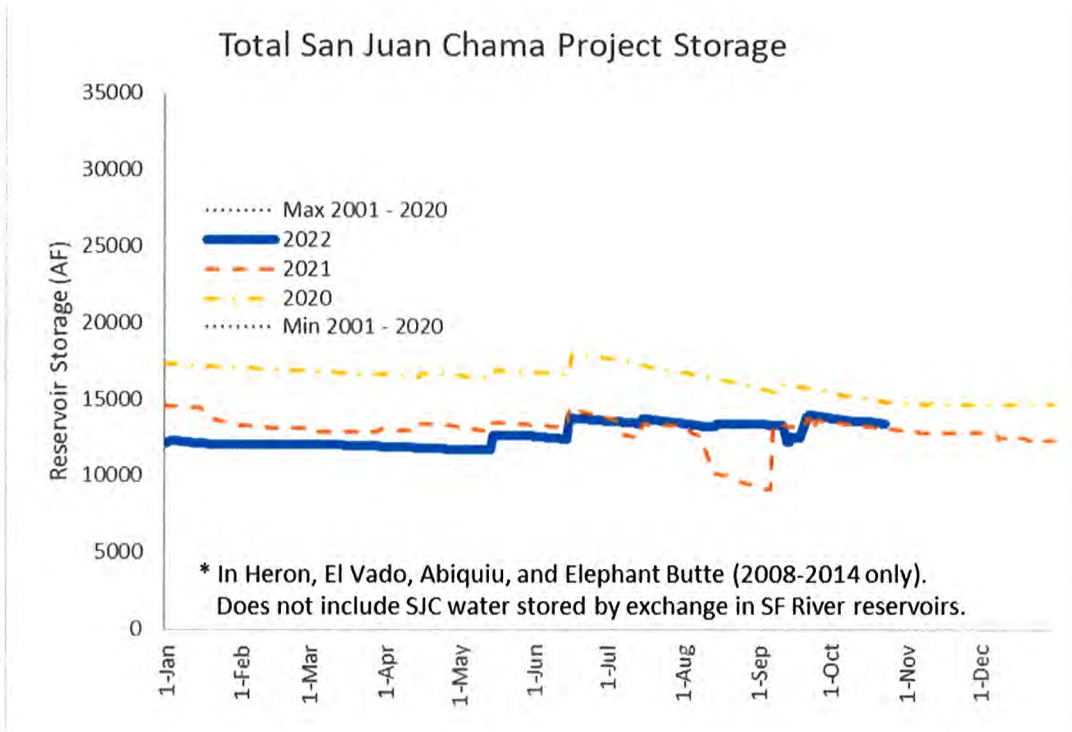
Daily metered regional water demand for the month of November 2022 is approximately 6.9 MGD.

Rio Grande flows for November 2022 averaged approximately 1000 CFS (cubic feet per second.)

CRWTP reservoir storage: Nichols: 73.41%/McClure: 43.3% (48.4% combined) Watershed Inflow: 2.2 MGD

City/County/LC Storage- as updated by partners. As of Nov.15, 2022 City of SF Abiquiu/Heron SJC storage is at about 13,249AF.

As of Nov. 1, 2022 the City of Santa Fe has been allocated 3371AF of 5230 and SF County 243AF of 375 of SJCP water.



ENSO Summary

Nov. 14, 2022

La Niña is present.*

Equatorial sea surface temperatures (SSTs) are below average across most of the Pacific Ocean.

The tropical Pacific atmosphere is consistent with La Niña.

There is a 76% chance of La Niña during the Northern Hemisphere winter (December-February) 2022-23, with a transition to ENSO-neutral favored in February-April 2023 (57% chance).



Buckman Direct Diversion Monthly SJC and Native Diversions

Nov-22								
In Acre-Feet								
Month	Total SJC + Native Rights	SP-4842 RG Native COUNTY	SD-03418 RG Native LAS CAMPANAS	SJC Call Total	SP-2847-E SJC Call CITY	SP-2847-N-A SJC Call LAS CAMPANAS	SP-2847-E SJC Undiverted CITY	All Partners Conveyance Losses
JAN	511.288	154.905	0.000	356.382	356.382	0.000	0.000	3.203
FEB	421.814	421.814	0.000	0.000	0.000	0.000	0.000	0.000
MAR	376.496	302.219	0.000	74.277	74.277	0.000	0.000	0.758
APR	538.222	408.237	0.000	129.985	129.985	0.000	0.000	1.327
MAY	596.137	596.137	0.000	0.000	0.000	0.000	0.000	0.000
JUN	660.831	300.636	0.000	360.194	360.194	0.000	0.000	2.397
JUL	582.150	122.961	0.000	459.189	459.189	0.000	0.000	2.232
AUG	166.030	0.000	0.000	221.847	221.847	0.000	55.818	1.067
SEP	439.944	30.356	0.000	409.588	383.240	26.348	0.000	1.982
OCT	505.999	25.135	0.000	480.864	456.039	24.825	0.000	4.780
NOV	314.430	0.000	0.000	314.430	314.430	0.000	0.000	1.930
DEC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	5,113.339	2,362.400	0.000	2,806.756	2,755.584	51.173	55.818	19.677

In Million Gallons

Month	Native COUNTY	Native Las Campanas	SJC TOTAL	SJC CITY	SJC Las Campanas	SJC Undiverted CITY	All Partners Diversions
JAN	50.458	0.000	114.878	114.878	0.000	0.000	165.336
FEB	137.399	0.000	0.000	0.000	0.000	0.000	137.399
MAR	98.443	0.000	23.913	23.913	0.000	0.000	122.356
APR	132.976	0.000	41.848	41.848	0.000	0.000	174.825
MAY	194.181	0.000	0.000	0.000	0.000	0.000	194.181
JUN	97.927	0.000	115.951	115.951	0.000	0.000	213.878
JUL	40.052	0.000	147.861	147.861	0.000	0.000	187.914
AUG	0.000	0.000	71.472	71.472	0.000	18.182	71.472
SEP	9.888	0.000	131.951	123.448	8.503	0.000	141.839
OCT	8.187	0.000	154.855	147.123	8.009	0.000	163.042
NOV	0.000	0.000	102.420	102.420	0.000	0.000	102.420
DEC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	769.511	0.000	905.150	888.915	16.512	18.182	1,674.662



Buckman Direct Diversion Monthly SJC and Native Diversions

Dec-21

In Acre-Feet

Month	Total SJC + Native Rights	SP-4842 RG Native COUNTY	SD-03418 RG Native LAS CAMPANAS	SJC Call Total	SP-2847-E SJC Call CITY	SP-2847-N-A SJC Call LAS CAMPANAS	All Partners Conveyance Losses
JAN	378.548	42.119	0.000	336.429	336.429	0.000	3.456
FEB	408.601	191.550	0.000	217.051	217.051	0.000	2.229
MAR	442.832	442.832	0.000	0.000	0.000	0.000	0.000
APR	624.282	506.349	0.000	117.933	117.933	0.000	1.195
MAY	868.184	483.518	0.000	384.666	384.666	0.000	2.477
JUN	879.493	302.801	0.000	576.692	576.692	0.000	3.555
JUL	562.156	-17.518	0.000	579.674	579.674	0.000	2.767
AUG	758.665	-0.154	0.000	758.819	758.819	0.000	3.757
SEP	542.059	-49.305	0.000	591.364	591.364	0.000	2.930
OCT	553.705	-22.895	0.000	576.600	576.600	0.000	5.614
NOV	423.977	368.177	0.000	55.800	55.800	0.000	0.543
DEC	423.345	-0.732	0.000	424.077	424.077	0.000	2.367
TOTAL	6,865.847	2,246.741	0.000	4,619.106	4,619.106	0.000	30.890

In Million Gallons

Month	Native COUNTY	Native Las Campanas	SJC TOTAL	SJC CITY	SJC Las Campanas	All Partners Diversions
JAN	13.720	0.000	108.306	108.306	0.000	122.026
FEB	62.394	0.000	69.875	69.875	0.000	132.269
MAR	144.245	0.000	0.000	0.000	0.000	144.245
APR	164.934	0.000	37.971	37.971	0.000	202.906
MAY	157.498	0.000	123.871	123.871	0.000	281.369
JUN	98.632	0.000	185.788	185.788	0.000	284.420
JUL	-5.706	0.000	186.765	186.765	0.000	181.059
AUG	-0.050	0.000	244.396	244.396	0.000	244.346
SEP	-16.060	0.000	190.470	190.470	0.000	174.409
OCT	-7.458	0.000	185.724	185.724	0.000	178.266
NOV	119.927	0.000	17.973	17.973	0.000	137.901
DEC	-0.238	0.000	138.136	138.136	0.000	137.898
TOTAL	731.837	0.000	1,489.275	1,489.275	0.000	2,221.113



Date: December 1, 2022
To: Buckman Direct Diversion Board
From: Rick Carpenter and Kyle Harwood
Subject: BDDB Rio Grande Water Quality Resolution

Item and Issue

The Buckman Direct Diversion Board (“BDDB”) engages in a variety of water quality activities, including submittal of comments to agencies, participating in rulemaking proceedings, and litigation over water quality issues. To prioritize the water quality work of the Board we recommend that the Board adopt a Resolution and identify a process by which the BDDB will establish an annual work plan to address its priority activities. This memorandum outlines such a process, including an annual presentation to the Board summarizing the past year’s activities and setting forth the priorities for the upcoming year.

Goal and Values

The goals and values of the BDDB with regard to water quality issues are presented in the attached draft Resolution. The objective of this Resolution is to: (i) express the BDDB's mission regarding water quality; (ii) to streamline and standardize the BDDB's decision-making process for when and how it will engage in a water quality issue; and (iii) to best direct the BDDB’s resources to those issues that will have the greatest impact on the source water quality for the BDD.

Recommendations

To accomplish the goals and values set forth above we recommend that the BDDB adopt the draft Resolution and consider implementing a process to review and prioritize water quality work each year, as follows:

- Review of the prior year’s water quality issues and BDDB actions in the first calendar quarter of each year;
- Receive a presentation of anticipated water quality issues and prioritize the BDDB's engagement with those issues in the first calendar quarter of each year; and
- Receive periodic updates at appropriate milestones or when new issues arise (such as new permit applications, new litigation, policy initiatives of other stakeholders or requests from the public).



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THE BUCKMAN DIRECT DIVERSION BOARD

RESOLUTION NO. 2022-2

**A RESOLUTION
OF THE BUCKMAN DIRECT DIVERSION BOARD CONCERNING
THE MISSION, GOALS AND VALUES OF THE BOARD REGARDING
RIO GRANDE WATER QUALITY**

WHEREAS, the Buckman Direct Diversion Board (“BDDDB”) was formed in 2005 pursuant to a Joint Powers Agreement executed by the City of Santa Fe and Santa Fe County;

WHEREAS, the Joint Powers Agreement (“JPA”) delegated to the BDDDB all powers necessary to plan for, finance, design and construct the Buckman Direct Diversion Project (“Project”) and to operate and manage the Project in all aspects;

WHEREAS, the JPA states that “the Board may adopt By-Laws, Rules and Regulations as it deems necessary to conduct their affairs consistent with this Agreement.” JPA, Article 5;

WHEREAS, the BDDDB's core purpose is to provide the County and City of Santa Fe a safe and reliable source of drinking water that meets or exceeds regulatory requirements by diverting and treating surface water from the Rio Grande;

WHEREAS, the BDD Project is a critical component of regional Santa Fe conjunctive water resource management, diversifies the regional water supply under normal and drought conditions, decreases reliance on groundwater pumping that otherwise would not be sustainable and thereby allows for the provision of a regional drought reserve;

WHEREAS, the quality of water that is diverted is of paramount importance to the BDDDB;

WHEREAS, the BDDDB seeks to monitor, protect, and positively affect the water quality of the Rio Grande and its tributaries to ensure that the BDD Project continues to produce safe drinking water for the Santa Fe metropolitan area; and

WHEREAS, the BDDDB's proactive water quality initiatives provide the additional benefits of allowing the BDDDB to manage the costs and the technical challenges of treating Rio Grande water at the Water Treatment Plant.

NOW, THEREFORE, BE IT RESOLVED BY THE BUCKMAN DIRECT DIVERSION BOARD that the BDDDB hereby adopts the following Goals and Values.

Goals: The goals of the BDDDB with respect to water quality are to:

- 1) Focus resources on specific Rio Grande segments and their tributaries that have the greatest potential to affect the water quality at the BDD Project intake; and
- 2) Foster the BDDDB’s engagement with key partners, stakeholders and regulators including the U.S. Department of Energy, Los Alamos County and the New Mexico Environment Department; and
- 3) Monitor and ensure adequate surveillance of the Rio Grande and its tributaries to promptly identify and address possible sources of contamination and treatment challenges; and

1 4) Maintain the capacity to substantively address unforeseen water quality issues as
2 they might arise, including those related to contamination, fire, climate change, and drought.
3

4 **Values:** The BDDDB shall:

5
6 1) Manage public funds responsibly, fairly, and with integrity to continuously
7 improve and enhance the value of our service to the public; and
8

9 2) Support federal, state, and local efforts to manage the water quality of the Rio
10 Grande; and
11

12 3) Foster public confidence through clarity, honesty, and transparency, particularly
13 with respect to communication of Rio Grande water quality sampling and monitoring being
14 a crucial element of the BDDDB's efforts to educate the public and our community partners;
15 and
16

17 4) Seek to sustain the water quality of the Rio Grande at the BDD intake, by
18 continuously monitoring and considering how water quality is affected by upstream water
19 quality, and how water quality may change in the future as more users will inevitably come
20 to rely on the Rio Grande for their water needs, and as climate change and drought become
21 potentially more severe.
22

23
24
25 PASSED, APPROVED, and ADOPTED this _____ day of _____, 2022.
26
27
28

29 _____
30 Carol Romero-Wirth
31 Chairperson
32

33
34 **ATTEST:**
35

36
37 _____
38 Kristine Bustos-Mihelcic
39 City Clerk
40

_____ Date:

41
42
43 **APPROVED AS TO FORM:**
44

45
46 _____
47 Nancy R. Long
48 BDDDB Counsel
49

_____ Date: