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ATTORNEYS

State Water Resources Control Board
Division of Drinking Water- San Francisco District
850 Marina Bay Parkway, Bldg. P. 2nd Floor
Richmond, CA 94804-6403
Attn: Marco Pacheco

October 20, 2020

RE: LNU FIRE Recovery JOINT Monitoring Plan

The LNU Lightening Complex Fire in Solano County on 8/19/2020 caused extensive damage to multiple public water systems, and other homes not served by a public water system that receive raw water from Solano Irrigation District (SID).

Solano Irrigation District (SID) recently issued 5 Boil Water Notices for the impacted public water systems. The notices were issued on 8/20/2020, and after sampling with no bacteria present lab results DDW allowed the notices to be cancelled on 8/25/2020.

In addition to bacteriological testing, initial sampling for volatiles using Method E524.2 was done. RUSH results from BSK Lab had only minimal amounts of Disinfection By-Products. Due to discovery of long term exposure to volatiles in other recent devastating fires (Tubbs Fire in Santa Rosa in 2017, and Camp Fire in Paradise in 2018) we want to conduct additional volatile testing in our much smaller fire area to find out quickly if there are any problems.

After consultation with DDW, and Yvonne Heaney their Fire Expert, we incorporated these suggestions.

1. Flush about 2 cups of water, and discard before taking the VOC sample. In Paradise they took 2 samples one initially from the service lateral, and then another from the service main. In our next round of sampling this week, we plan to capture a sample from the service lateral, at the backflow first test cock. We will be using Method E524.2.
2. Another suggestion was with chlorinated systems, the lab needs to include a dechlorinating agent of acetic acid. This improves the recovery of the early eluding volatile compounds.

	Surface Water Systems			Ground Water Systems	
SYSTEM:	Blue Ridge	Gibson Canyon	PHRE	Quail Canyon	RNVWD
PWS#	4810013	4810010	48101025	4810012	4810024
# of connections	19	162	27	40	398
# of homes burnt down	2	5	19	21	50
# of homes remaining	17	157	8	19	348
% of system burnt in fire	1%	4%	70%	52%	13%
SAMPLES Round 2	2	2	5	5	10



Sample Bottles 3- 40 ml VOA Vials with hydrochloric acid and 1-100 ml Amber with ascorbic acid to be used to dechlorinate.

Each sampling day will have 2 lab trip blanks.

Additional details were shared by people experienced in the Paradise Fire. Bill Tayler shared monitoring data, and PID has great sampling videos on their recovery website. <https://pidwater.com/recovery>

The Cross Connection Control Program/Backflow Coordinator for PID and Rural North Vacaville Water District are the same person Eric Trites who was able to describe the backflow devices in Paradise had much more intensive damage due to the intensity of that fire. Our staff also inspected backflows in SID's 4 PWS, and there was little damage. We are hopeful the volatiles will also be minimal.

When we get the results back from this next round of sampling, planning based on the results will be done to either expand, minimize, or change the focus.

In ongoing conversation about sampling with DDW the following comments were made:

- Sample additional service lines and water mains, serving the most lost homes where the significant heat was generated during the fires. For example, **looking at the Quail Canyon PWS map, a couple of service lines and water main between Storage Tank Sample Station and Station 6 could be sampled for VOC.**

We will sample additional burned down locations that have not been sampled before, if possible.

One location to be SURE to sample in RNVWD will be 8425 Quail Canyon Road, the property of Joanne Roy-Young, 954-775-4997, joanne@aspringofhope.org

Samples do not have to be taken from backflow devices. They can be taken from outside faucets, or other buildings on the property. They just need to have very descriptive names on the COC.

- Sampling priority should be given to HDPE (high density polyethylene) and other types of PE (polyethylene) pipes followed by PVC (polyvinyl chloride), copper, asbestos, DI (ductile iron) pipes.

DDW wants to give priority to the above materials.

I have ordered 20 sets of VOLATILE sample containers, and 3 sets of trip blanks. This allows us to take the samples over 3 different sampling days if needed. These samples will again get RUSH results from the lab.

The Round 3 POST STORM samples will be taken within 3 days after the first storm of "significant" rainfall. We will be taking the same number of samples per system as in Round 2.

The established special charge numbers will be used for ALL timekeeping, and invoice charges.

SID Systems - #200-6000-6003 WO#20-3025 timekeeping, Lab services- #001-5000-7899 WO#3025

RNVWD - #515-6000-6003 WO#52-0159 timekeeping, Lab services - #515-6900-7621 WO#52-0159

Should you have any questions or need further clarification on any of the information provided please feel free to contact me at either, murphys@sidwater.org or at (707) 455-4021. Thank you.

Sincerely,



Water Quality Specialist

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Sincerely,



Water Quality Specialist

RESOURCES:

- ◆ Yvonne Heaney, Division of Drinking Water (530) 224-4872,
Yvonne.Heaney@Waterboards.ca.gov
- ◆ Bill Taylor, Treatment Plant Operations Supervisor,
btaylor@paradiseirrigation.com 530-876-2060
PID, 6332 Clark Road, Paradise, CA 95969
- ◆ Eric Trites owner Trites Backflow Services, Inc. 890 Yosemite Drive, Chico, CA
tritesbackflow@gmail.com 530-828-5438
- ◆ <https://awwa.onlinelibrary.wiley.com/doi/full/10.1002/aws2.1183> AWWA Water Science
Purdue University 14 page technical paper (CHECK out the references!!)

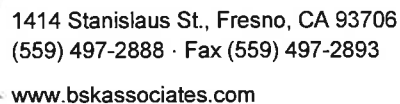
Wildfire caused widespread drinking water distribution network contamination

- ◆ <https://theconversation.com/wildfires-can-poison-drinking-water-heres-how-communities-can-be-better-prepared-141430> Shortened version only 9 pages, Nice pictures

Wildfires can poison drinking water – here's how communities can be better prepared

APPENDICES:

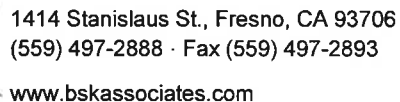
1. BSK Project Chain of Custodies
2. Address list of SID burned down homes, and RNVWD burned down homes
3. Cumulative Results Tables
4. PWS FIRE maps
5. DDW's Guidance **Wildfire Initial Response for Water Systems**



☐ Standard - 10 business days
☒ Rush (Surcharge may apply)
 Date needed:

[illegible]

SR-FL-0012-07

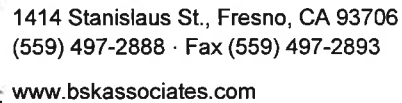


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☒ Rush (Surcharge may apply)
Date needed:

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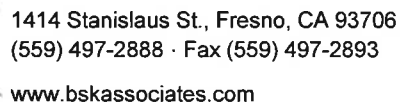
Payment for services rendered as noted herein are due in full within 30 days from the date invoiced. If not so paid, account balances are deemed delinquent. Delinquent balances are subject to monthly service charges and interest specified in BSK's current Standard Terms and Conditions for Laboratory Services. The person signing for the Client/Company acknowledges that they are either the Client or an authorized agent to the Client, that the Client agrees to be responsible for payment for the services on this Chain of Custody, and agrees to BSK's terms and conditions for laboratory services unless contractually bound otherwise. BSK's current terms and conditions can be found at www.bskassociates.com/BSKLabTermsConditions.pdf



☐ Standard - 10 business days
☒ Rush (Surcharge may apply)
 Date needed:

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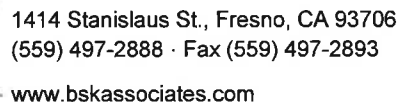
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☒ Rush (Surcharge may apply)
Date needed: _____

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SR-FL-0012-07

LIST OF BURNED DOWN HOMES PER SYSTEM

Blue Ridge

1. 3528 Blue Mountain Drive sampled 9/11/2020
2. 3398 Hidden Valley Road sampled 9/11/2020

Gibson Canyon

1. 3974 Serenity Hills Road
2. 3862 Serenity Hills Road sampled 9/11/2020
3. 3811 Serenity Hills Road
4. 3800 Serenity Hills Road sampled 9/11/2020
5. 7026 Jenny Lane

PHRE

1. 3409 Honey Lane sampled 9/11/2020
2. 3400 Mix Canyon Road
3. 3358 Mix Canyon Road
4. 7008 Czarina Lane
5. 7004 Czarina Lane sampled 9/11/2020
6. 6958 Oak Tree Trail
7. 6939 La Vera Court sampled 9/11/2020
8. 6953 LA Vera Court
9. 7071 Shady Oak Trail
10. 7038 Robindale Lane
11. 7025 Pleasant Hills Ranch Way
12. 6985 Pleasant Hills Ranch Way
13. 7055 Pleasant Hills Ranch Way
14. 6974 Millie May Lane
15. 6980 Julieanna Lane
16. 7000 Julieanna Lane
17. 7005 Julieanna Lane sampled 9/11/2020
18. 7092 Carrington Lane sampled 9/11/2020
19. 7084 Carrington Lane

LIST OF BURNED DOWN HOMES PER SYSTEM

Quail Canyon

1. 8235 Quail Canyon Road
2. 8256 Quail Canyon Road
3. 8259 Quail Canyon Road
4. 8423 Quail Canyon Road
5. 8265 Quail Canyon Road
6. 8307 Quail Canyon Road sampled 9/12/2020
7. 8325 Quail Canyon Road sampled 9/12/2020
8. 8376 Quail Canyon Road
9. 8379 Quail Canyon Road
10. 8554 Quail Canyon Road
11. 8649 Quail Canyon Road
12. 8654 Quail Canyon Road sampled 9/12/2020
13. 8431 Quail Canyon Road
14. 8425 Quail Canyon Road
15. 3402 Digger Pine Ridge
16. 3415 Digger Pine Ridge
17. 3575 Digger Pine Ridge sampled 9/12/2020
18. 3538 Digger Pine Ridge
19. 3512 Digger Pine Ridge

LIST OF BURNED DOWN HOMES PER SYSTEM

RNVWD

1. 3645 Brehme Lane
2. 7094 Bucktown Lane
3. 3570 Cantelow Road
4. 3867 Cantelow Road
5. 4029 Cantelow Road
6. 4004 Cantelow Road Sampled 9/16/2020
7. 3675 Cantelow Road
8. 3786 Cantelow Road
9. 7677 Carmelita Way
10. 3787 Ciarlo Lane
11. 3912 Ciarlo Lane
12. 3904 Ciarlo Lane Sampled 9/16/2020
13. 3812 Ciarlo Lane
14. 7742 Elaine Way Sampled 9/16/2020
15. 7651 English Hills Road
16. 7817 English Hills Road
17. 7815 English Hills Road
18. 7668 English Hills Road Sampled 9/16/2020
19. 7879 English Hills Road
20. 7506 English Hills Road Sampled 9/16/2020
21. 7680 English Hills Road
22. 7896 English Hills Road
23. 7514 English Hills Road
24. 3996 Estate Drive
25. 3955 Estate Drive
26. 3949 Estate Drive Sampled 9/16/2020
27. 3966 Estate Drive
28. 3860 Joslin Lane
29. 7931 Linda Vista Lane
30. 3750 Morningbird Lane
31. 4125 Pippo Lane
32. 4030 Sierra Vista Drive Sampled 9/16/2020
33. 3925 Sierra Vista Drive Sampled 9/16/2020
34. 3867 Skyhawk Lane
35. 3871 Skyhawk Lane
36. 3903 Skyhawk Lane
37. 3950 Soaring Eagle Trail
38. 7940 Spencer Lane
39. 7928 Spencer Lane
40. 7955 Spencer Lane
41. 7924 Spencer Lane
42. 7932 Spencer Lane
43. 6993 Steiger Hill Road
44. 7043 Steiger Hill Road Sampled 9/16/2020
45. 7810 W. Ranch Lane
46. 7786 W. Ranch Lane
47. 7771 W. Ranch Lane

LIST OF BURNED DOWN HOMES PER SYSTEM

Pleasants Valley/Bucktown-RAW WATER

1. 6829 Pleasants Valley Road
2. 6867 Pleasants Valley Road
3. 6871 Pleasants Valley Road
4. 6879 Pleasants Valley Road
5. 6875 Pleasants Valley Road
6. 6895 Pleasants Valley Road
7. 6893 Pleasants Valley Road
8. 6889 Pleasants Valley Road
9. 6909 Pleasants Valley Road
10. 6968 Pleasants Valley Road
11. 7071 Pleasants Valley Road
12. 7162 Pleasants Valley Road
13. 7242 Pleasants Valley Road
14. 7282/7278 Pleasants Valley Road
15. 7287 Pleasants Valley Road
16. 7309 Pleasants Valley Road
17. 3484 Albert Lane
18. 3465 Albert Lane
19. 3481 Albert Lane
20. 3474 Wells Lane
21. 3512 Wells Lane
22. 3475 Pleasants Trail
23. 3477 Pleasants Trail
24. 3479 Pleasants Trail
25. 3457 Pleasants Trail
26. 6895 Bucktown
27. 7070 Bucktown
28. 3730 Wild Oak Trail
29. 3732 Wild Oak Trail
30. 3745 Wild Oak Trail

SID-Blue Ridge Oaks PWS
FIRE related lab results 2020

Date	Location	Bacti	Chlorine Residual ppm	Volatile ug/L
8/24/2020	SS#1 3380 Hidden Valley Lane	Absent	0.57	NS
9/11/2020	3528 Blue Mountain Drive	NS	NS	BDCM-10 CHCL3-54 DBCM-3.3 TTHM-68
9/11/2020	3398 Hidden Valley Road	NS	NS	BDCM-6.1 CHCL3-55 DBCM-2.1 TTHM-63

SID-Gibson Canyon PWS
FIRE related lab results 2020

Date	Location	Bacti	Chlorine	Volatile ug/L
			Residual ppm	
8/22/2020	SS#1 6760 Hillsvie Drive	Absent	1.64	NS
8/22/2020	SS#2 6842 Gibson Canyon Road	Absent	1.50	NS
8/22/2020	SS#3 Yarrington Pumping Plant	Absent	1.21	BDCM-7.8 CHCL3-58 DBCM-0.67 TTHM-66
8/22/2020	SS#4 6755 Gibson Canyon Road	Absent	1.46	BDCM-6.3 CHCL3-34 DBCM-0.57 TTHM-41
9/11/2020	3800 Serenity Hills Road	NS	NS	BDCM-9.9 CHCL3-64 DBCM-0.90 TTHM-75
9/11/2020	3862 Serenity Hills Road	NS	NS	BDCM-5.9 CHCL3-34 DBCM-0.60 TTHM-41

SID-Pleasant Hills Ranch Estates PWS
FIRE related lab results 2020

Date	Location	Bacti	Chlorine Residual ppm	Volatile ug/L
8/22/2020	Marie Lane	Absent	1.53	BDCM-5.6 CHCL3-33
8/24/2020	Carrington Lane	Absent	0.42	NS
8/24/2020	Marie Lane	Absent	0.49	NS
8/24/2020	La Vera Court	Absent	0.71	NS
9/4/2020	7004 Czarina Lane	NS	NS	BDCM-5.4 CHCL3-51 DBCM-0.69 TTHM-57
9/4/2020	3409 Honey Lane	NS	NS	BDCM-7.1 CHCL3-71 DBCM-0.84 TTHM-79
9/4/2020	6939 La Vera Court	NS	NS	BDCM-4.3 CHCL3-62 DBCM-0.54 TTHM-66
9/4/2020	7005 Julieanna Lane	NS	NS	BDCM-4.3 CHCL3-62 DBCM-0.54 TTHM-66
9/4/2020	7092 Carrington Lane	NS	NS	BDCM-4.5 CHCL3-43 DBCM-0.58 TTHM-48

SID-Quail Canyon PWS
FIRE related lab results 2020

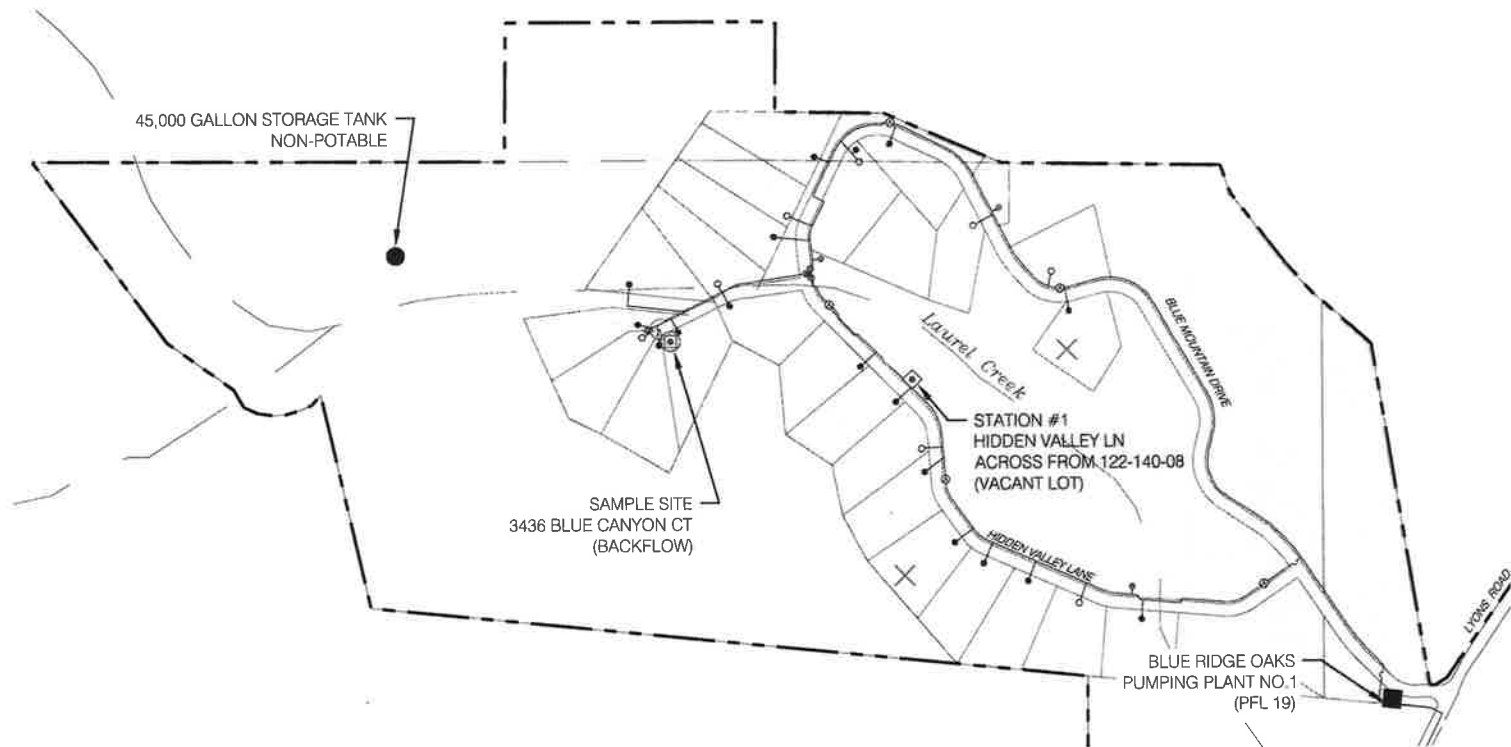
Date	Location	Bacti	Chlorine Residual ppm	Volatile ug/L
8/22/2020	SS#1 8588 Pleasants Valley Road	Absent	0.78	BDCM-1.5 CHBR3-1.7 CHCL3-0.73 DBCM-2.2 TTHM-6.2
8/22/2020	SS#2 8304 Quail Canyon Road	Absent	1.16	BDCM-3.3 CHBR3-2.1 CHCL3-2.0 DBCM-4.2 TTHM-12
9/12/2020	8325 Quail Canyon Road	NS	NS	BDCM-2.6 CHBR3-3.9 CHCL3-1.1 DBCM-4.9 TTHM-12
9/12/2020	8654 Quail Canyon Road	NS	NS	BDCM-1.8 CHBR3-1.7 CHCL3-5.9 DBCM-2.5 TTHM-12
9/12/2020	8307 Quail Canyon Road	NS	NS	BDCM-3.5 CHBR3-3.9 CHCL3-2.3 DBCM-5.5 TTHM-15
9/12/2020	3575 Digger Pine Ridge	NS	NS	BDCM-1.3 CHBR3-3.6 CHCL3-0.71 DBCM-3.1 TTHM-8.8

SID-Quail Canyon PWS
FIRE related lab results 2020

Date	Location	Bacti	Chlorine Residual ppm	Volatile ug/L
8/22/2020	SS#1 8588 Pleasants Valley Road	Absent	0.78	BDCM-1.5 CHBR3-1.7 CHCL3-0.73 DBCM-2.2 TTHM-6.2
8/22/2020	SS#2 8304 Quail Canyon Road	Absent	1.16	BDCM-3.3 CHBR3-2.1 CHCL3-2.0 DBCM-4.2 TTHM-12
9/12/2020	8325 Quail Canyon Road	NS	NS	BDCM-2.6 CHBR3-3.9 CHCL3-1.1 DBCM-4.9 TTHM-12
9/12/2020	8654 Quail Canyon Road	NS	NS	BDCM-1.8 CHBR3-1.7 CHCL3-5.9 DBCM-2.5 TTHM-12
9/12/2020	8307 Quail Canyon Road	NS	NS	BDCM-3.5 CHBR3-3.9 CHCL3-2.3 DBCM-5.5 TTHM-15
9/12/2020	3575 Digger Pine Ridge	NS	NS	BDCM-1.3 CHBR3-3.6 CHCL3-0.71 DBCM-3.1 TTHM-8.8

Rural North Vacaville Water District
FIRE related lab results 2020

Date	Location	Bacti	Chlorine Residual ppm	Volatile ug/L	HPC MPN/ml
8/22/2020	SS#2 3955 Estates Drive	Absent	0.74	ND	
8/22/2020	SS#4 3859 Joslyn Lane	Absent	1.00	ND	
8/24/2020	SS#2 3955 Estates Drive	Absent	0.67	NS	
8/24/2020	SS#3 4380 Cantelow Road	Absent	0.00	NS	4
8/24/2020	SS#4 3859 Joslyn Lane	Absent	0.41	NS	
8/24/2020	SS#5 3749 Ciarlo Lane	Absent	0.50	NS	
8/24/2020	BF#6 3771 Cantelow Road	Absent	0.32	NS	
9/16/2020	7506 English Hills Road	NS	NS	ND	
9/16/2020	4030 Sierra Vista Drive	NS	NS	ND	
9/16/2020	3925 Sierra Vista Drive	NS	NS	BDCM-1.0 CHCL3-1.4 DBCM-0.93 TTHM-3.3	
9/16/2020	3904 Ciarlo Lane	NS	NS	BDCM-0.64 CHCL3-0.75 DBCM-0.63 TTHM-2.0	
9/16/2020	7742 Elaine Way	NS	NS	BDCM-3.7 CHBR3-1.1 CHCL3-5.4 DBCM-3.0 TTHM-13	
9/16/2020	3949 Estate Drive	NS	NS	BDCM-5.5 CHBR3-2.9 CHCL3-8.5 DBCM-5.4 TTHM-22	
9/16/2020	7668 English Hills Road	NS	NS	ND	
9/16/2020	7547 English Hills Road	NS	NS	ND	
9/16/2020	4404 Cantelow Road	NS	NS	ND	
9/16/2020	7043 Steiger Hill Road	NS	NS	BDCM-3.2 CHBR3-1.7 CHCL3-4.1 DBCM-3.5 TTHM-13	



LEGEND

- ZONE 1
- SID BOUNDARY LINE
- STATION - BACTERIA & Cl₂
- ⊙ SAMPLE SITE - TTHM & HAA5
- ⊕ SAMPLE SITE - BACTERIA & Cl₂ / TTHM & HAA5

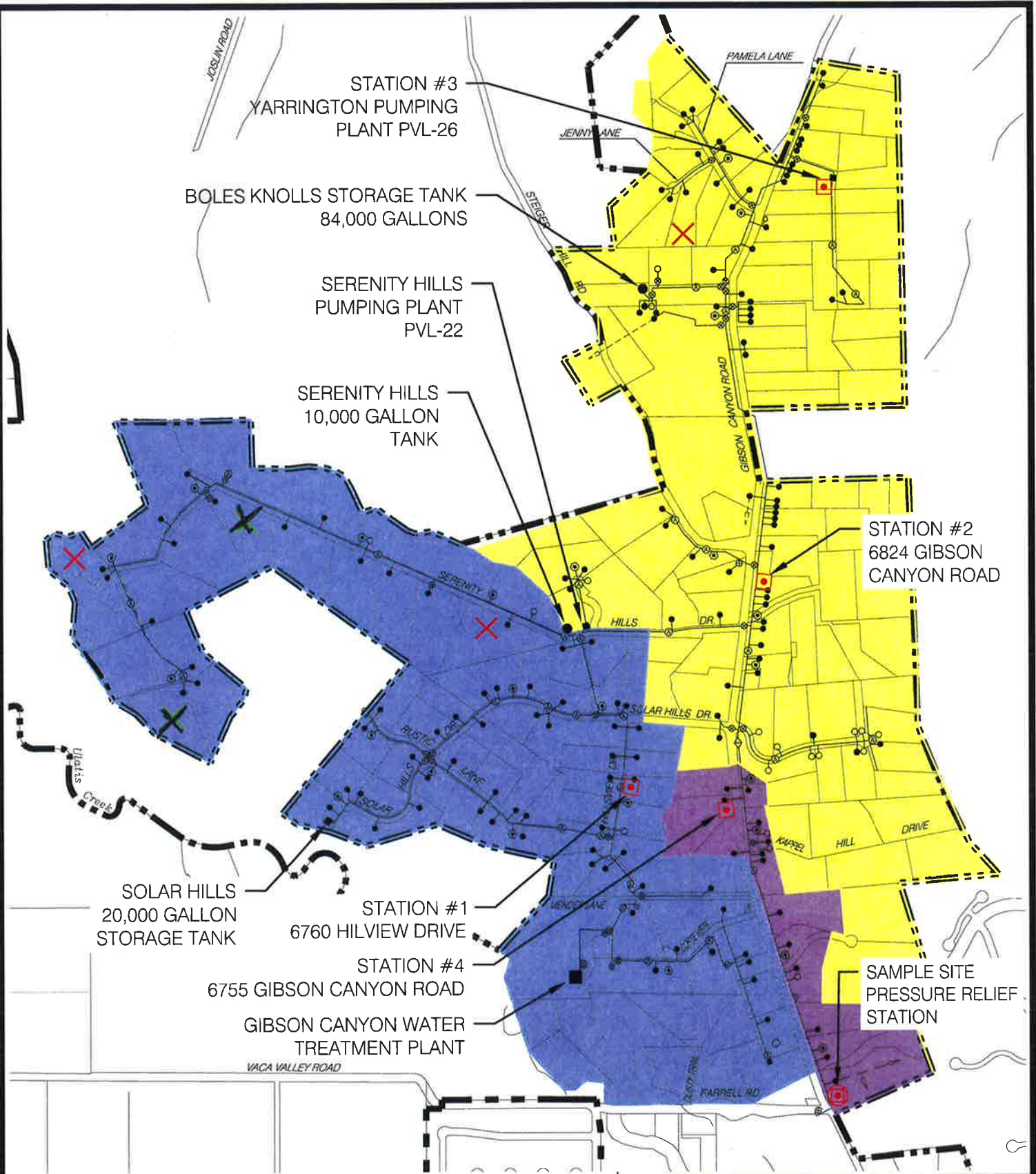


SOLANO IRRIGATION DISTRICT
508 ELMIRA ROAD
VACAVILLE, CALIFORNIA 95687

SID-BLUE RIDGE OAKS PUBLIC WATER SYSTEM
SAMPLE STATION SITES

Date: SEPT, 2020
Drawn By: BN

CAD File: District Smpl Stn Map.dwg



LEGEND

- | | | | |
|--|--|--|---------------------|
| | SID PRESSURE ZONE 1 | | SID PRESSURE ZONE 3 |
| | SID PRESSURE ZONE 2 | | |
| | STATION - BACTERIA & Cl ₂ | | |
| | SAMPLE SITE - TTHM & HAA5 | | |
| | SAMPLE SITE - BACTERIA & Cl ₂ / TTHM & HAA5 | | |



SOLANO IRRIGATION DISTRICT

508 ELMIRA ROAD
VACAVILLE, CALIFORNIA 95687

**SID-GIBSON CANYON PUBLIC WATER SYSTEM
SAMPLE STATION SITES**

Date: SEPT, 2020
Drawn By: BN

CAD File: District Smpl Stn Map.dwg



SAMPLE STATION LOCATION

STATION	ADDRESS
1	CARRINGTON LANE
2	MARIE COURT
3	LA VERA COURT

LEGEND

- TANK
- PUMP
- PRESSURE REDUCING STATION
- BACTI & O₂ SAMPLE STATION
- PRESSURE ZONE
- SOLANO IRRIGATION DISTRICT BOUNDARY LINE
- GIBSON CANYON PWS IMPROVEMENT DISTRICT BOUNDARY LINE
- PRESSURE ZONE BOUNDARY

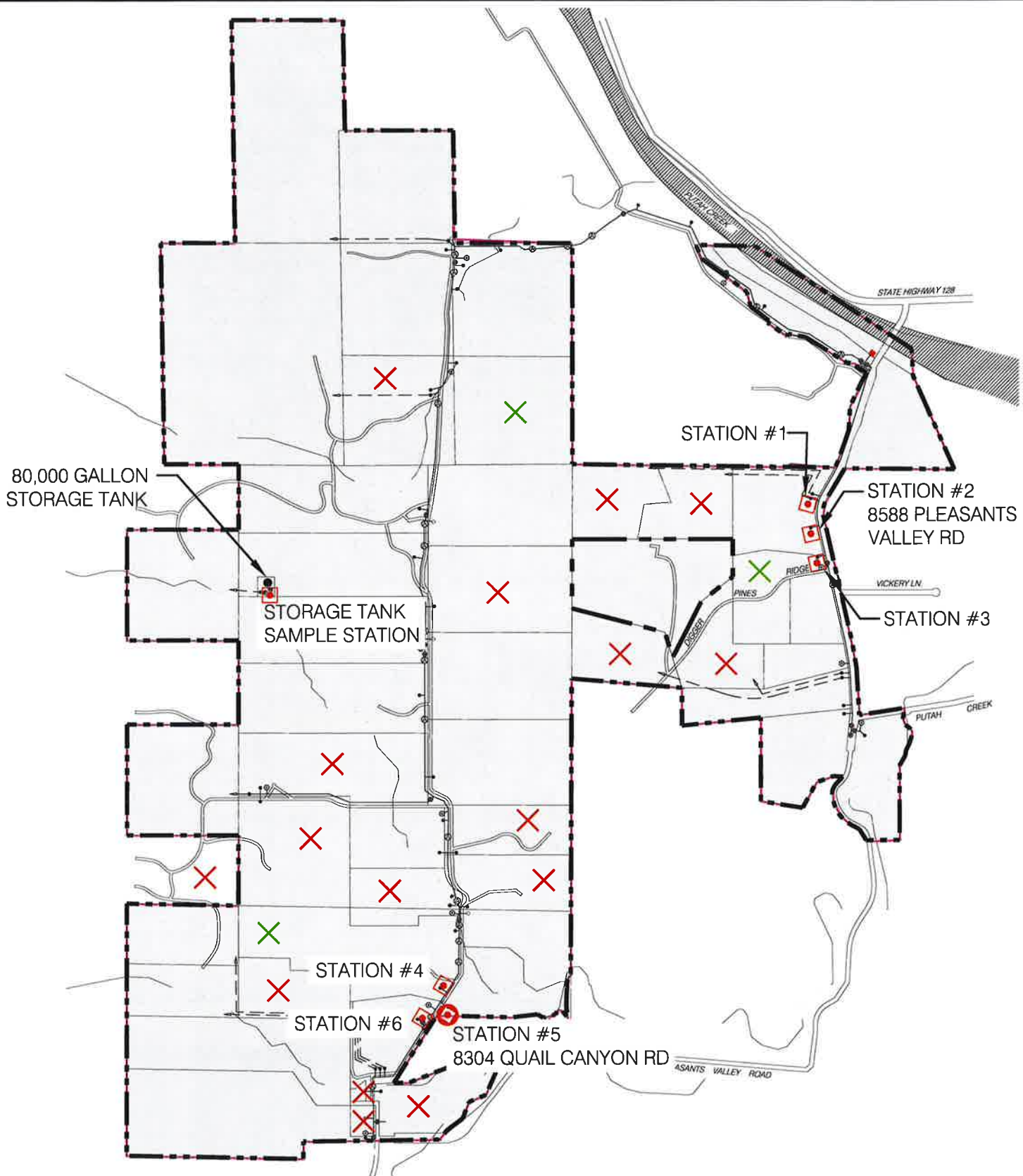


SOLANO IRRIGATION DISTRICT
 810 VACA VALLEY PARKWAY, SUITE 201
 VACAVILLE, CALIFORNIA 94995

UNIT # PLEASANT HILLS PWS
 PLEASANT HILLS RANCH
 ESTATES PWS SAMPLE SITES

Date: SEPT 2020
 Drawn By: BN
 Checked By: SM

CAD File: Sample Station - LNU - PHWS
 Dwg No: —



LEGEND

- SID PRESSURE ZONE
- SID BOUNDARY LINE
- STATION - BACTERIA & Cl₂
- SAMPLE SITE - TTHM & HAA5
- SAMPLE SITE - BACTERIA & Cl₂ / TTHM & HAA5



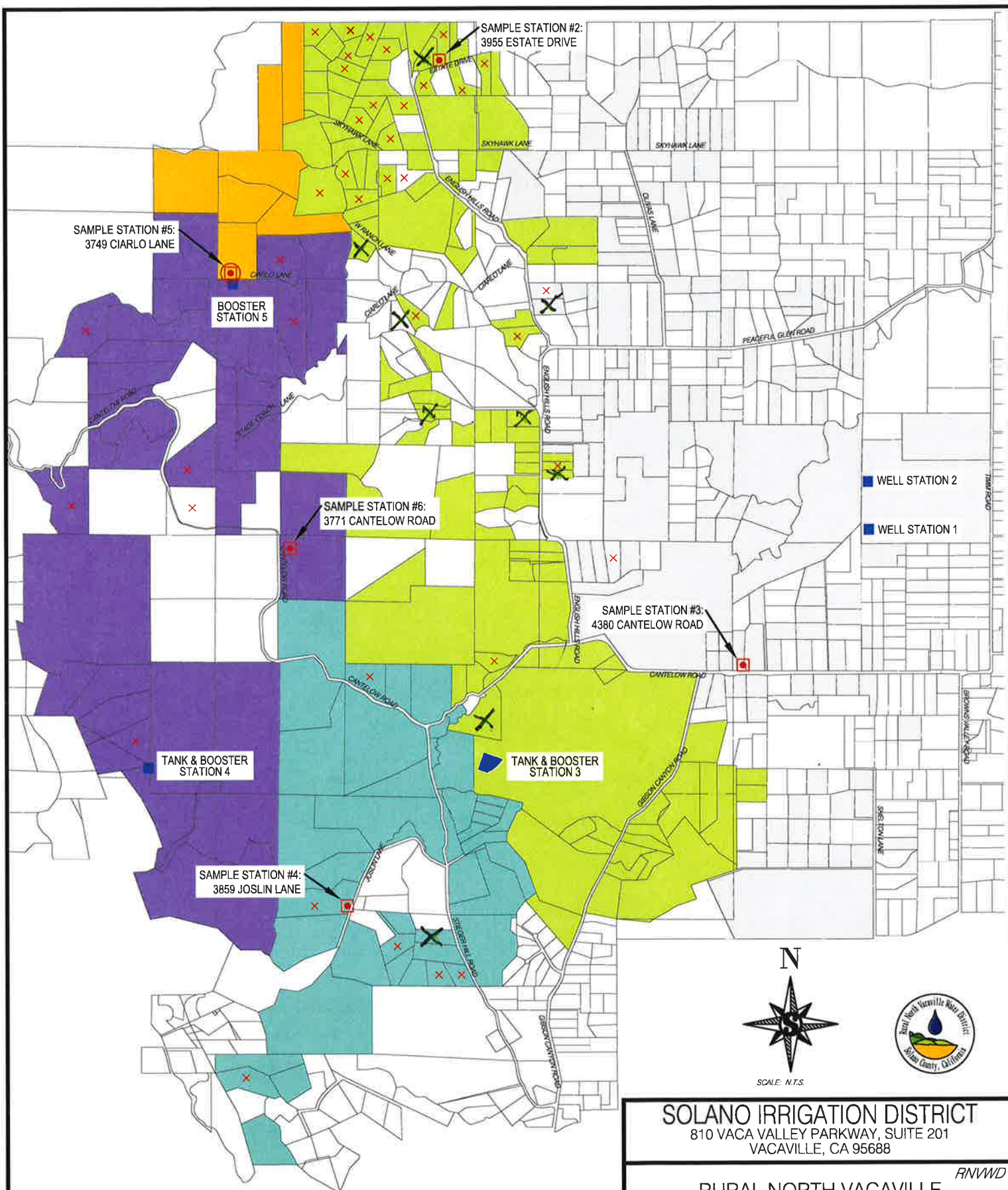
SOLANO IRRIGATION DISTRICT

508 ELMIRA ROAD
VACAVILLE, CALIFORNIA 95687

SID-QUAIL CANYON PUBLIC WATER SYSTEM SAMPLE STATION SITES

Date: SEPT, 2020
Drawn By: BN

CAD File: District Smpl Stn Map.dwg



LEGEND

- FACILITY LOCATION
- STATION - BACTERIA & Cl₂
- SAMPLE SITE - TTHM & HAA5

- ZONE 1 - 430
- ZONE 2 - 580
- ZONE 3 - 710
- ZONE 4 - 890
- ZONE 5 - 980

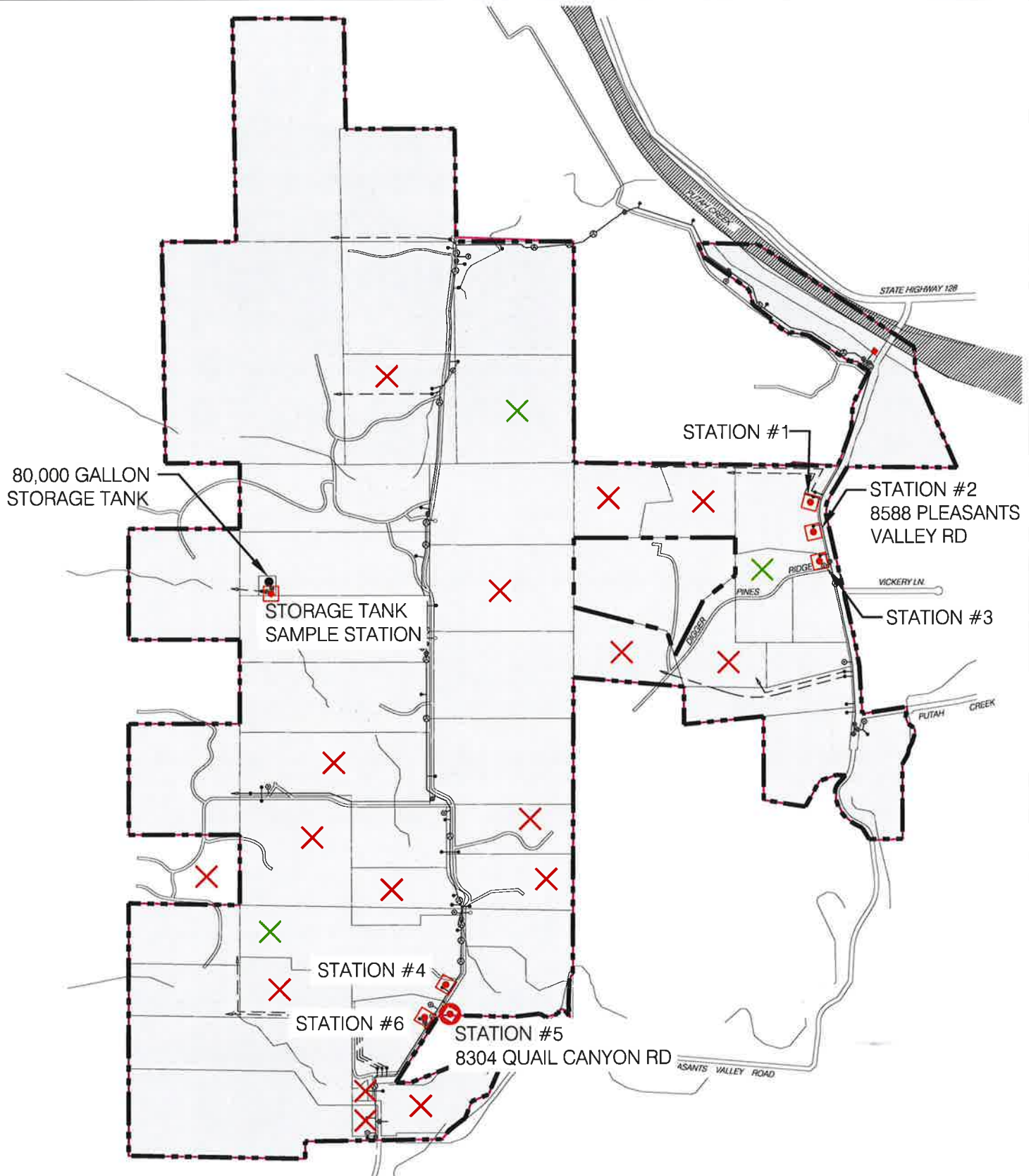
SOLANO IRRIGATION DISTRICT
810 VACA VALLEY PARKWAY, SUITE 201
VACAVILLE, CA 95688

**RURAL NORTH VACAVILLE
WATER DISTRICT
FACILITY & SAMPLE STATION
LOCATION MAP**

RNVWD

Date: SEPT, 2020
Drawn By: BN
Checked By: SM

Work Order No.
CAD File: RNV FACILITY AND SAMPLE STN MAP.DWG
Dwg. No.



LEGEND

- SID PRESSURE ZONE
- SID BOUNDARY LINE
- STATION - BACTERIA & Cl₂
- SAMPLE SITE - TTHM & HAA5
- SAMPLE SITE - BACTERIA & Cl₂ / TTHM & HAA5



SOLANO IRRIGATION DISTRICT 508 ELMIRA ROAD VACAVILLE, CALIFORNIA 95687	
SID-QUAIL CANYON PUBLIC WATER SYSTEM SAMPLE STATION SITES	
Date: SEPT, 2020 Drawn By: BN	CAD File: District Smpl Stn Map.dwg

State Water Resources Control Board

Wildfire Initial Response for Water Systems

Conditions such as loss of pressure, loss of disinfectant residual, or damaged water lines could allow contaminants to enter the water system. Known water quality concerns following a wildfire include coliform bacteria, nitrates, loss of disinfectant residual, and in special circumstances, benzene and other volatile organic chemicals (VOCs).

If faced with wildfire impacts, immediately unidirectionally flush water lines as soon as possible. Multiple cycles or continual unidirectional flushing is strongly encouraged.

VOC contamination appears to occur with:

- Depressurization coupled with open or burned water lines.
- Heating and burning of plastics and synthetic distribution materials.
- Entry of smoke into open water lines.

Specialized testing is required to confirm coliform bacteria, nitrate or VOC contamination. Each situation is unique and should be evaluated individually. Once it is possible to do so, water systems should take immediate measures to assess their system by collecting and recording information such as impacts to infrastructure (meter boxes, hydrants, sample stations, storage tanks backflows, etc.), types of materials used in the distribution (pipe materials, fittings, gaskets, etc.), locations of damage, pressure zones, heating and burn intensity, structure status (standing, damaged, destroyed, etc.), soil burn severity, and any other available information that characterizes the distribution system and extent of the wildfire. Consider the following four scenarios for discussion with your DDW district office:

Structure loss (or physical damage) with depressurization: This unique situation requires extra caution. Water systems experiencing this may be at risk of VOC contamination and should immediately unidirectionally flush their water system when refilling water lines, to limit potential contaminant migration. Issue an Unsafe Water Advisory (template available) until testing demonstrates safety of the potable water and delivery system.

Structure loss (or physical damage) with pressure maintained: Physically damaged system components should be immediately isolated and replaced (when possible) and unidirectionally flushed (multiple cycles preferred).

No structure loss (or physical damage) with depressurization: The system should immediately unidirectionally flush upon repressurization (multiple cycles preferred).

No structure loss (or physical damage) with pressure maintained: It is unlikely the water system was contaminated. If the water system was unattended for some period (e.g., under evacuation), DDW's seasonal start up procedures should be followed.

Work with Division of Drinking Water (DDW) staff while assessing the system to develop sampling and response plans.