

Fairview Water District PODs and Storage Reservoir Location



Wells: ●

Storage Reservoir: —

0 170 340 680 Feet



Fairview Water District PODs and Storage Reservoir Location



Springs: ●
Spring Manifold: ●

0 140 280 560 Feet



Project No.: 14-14-0176

Project: Water Storage Analysis

Client: Fairview Water District

Updated: 07/31/2023

Prepared by: FAI/EED

2020 Water Use Data

Total Connections:	335	Average Daily Demand:	564,780	gpd
Estimated Typical Residential:	309	Average Maximum Daily Demand:	767,099	gpd
Est. Non-Typical Residential:	19	Equivalent Residential Demand:	964	gpd
Non-Typical Residential EDUs:	11	Equivalent Residential Peak Demand:	1,446	gpd
Total System EDUs:	320	Average Day Demand Flow:	392	gpm
		Average Maximum Day Demand Flow:	533	gpm

Reservoir Analysis

Fire Suppression Storage:	120,000	Standby Storage	188,260	gallons
Operational Storage:	10,000	Dead Storage	10,000	gallons
Maximum Day Demand:	533	Spring Source Capacity	650	gpm

Hour	Percent Mean Flow*	Flow Out (gallons)	Flow In Tanks (gallons)	Tank Flow Condition
1	26	8,310	30,690	FLOW INTO TANK
2	23	7,351	31,649	FLOW INTO TANK
3	22	7,032	31,968	FLOW INTO TANK
4	28	8,949	30,051	FLOW INTO TANK
5	36	11,506	27,494	FLOW INTO TANK
6	55	17,579	21,421	FLOW INTO TANK
7	95	30,364	8,636	FLOW INTO TANK
8	118	37,716	1,284	FLOW INTO TANK
9	128	40,912	-1,912	FLOW OUT
10	132	42,190	-3,190	FLOW OUT
11	133	42,510	-3,510	FLOW OUT
12	130	41,551	-2,551	FLOW OUT
13	127	40,592	-1,592	FLOW OUT
14	124	39,633	-633	FLOW OUT
15	124	39,633	-633	FLOW OUT
16	128	40,912	-1,912	FLOW OUT
17	136	43,469	-4,469	FLOW OUT
18	150	47,944	-8,944	FLOW OUT
19	167	53,377	-14,377	FLOW OUT
20	174	55,615	-16,615	FLOW OUT
21	165	52,738	-13,738	FLOW OUT
22	100	31,962	7,038	FLOW INTO TANK
23	52	16,620	22,380	FLOW INTO TANK
24	33	10,548	28,452	FLOW INTO TANK

Total		769,017	166,983	
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Total Equalization Storage**		74,077	Gallons	
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Total Effective Storage		392,337	Gallons	
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Total Required Storage		402,337	Gallons	
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Existing Storage		390,000	Gallons	
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Additional Storage Required		12,337	Gallons	
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Percent of Demand that is Equalization Storage		9.63%		
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* The Default Percent Mean Flow is from Table 1 of the IDEQ Design File Note
Percent Mean Flow based on actual data from the entity may be used if available

**Equalization Storage is equal to the flow out for the day.

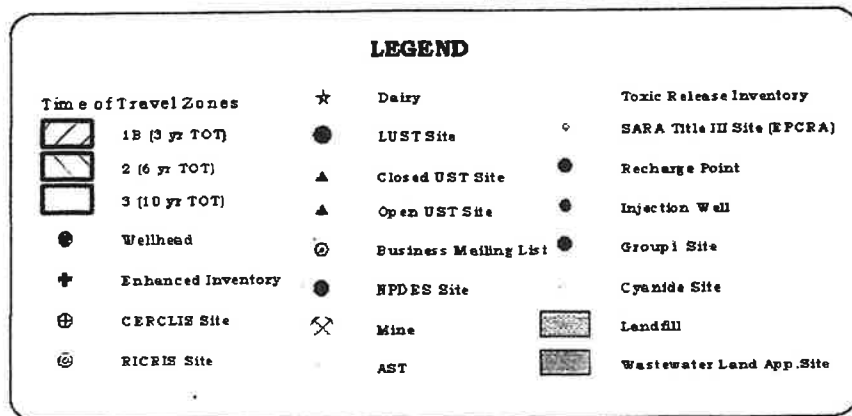
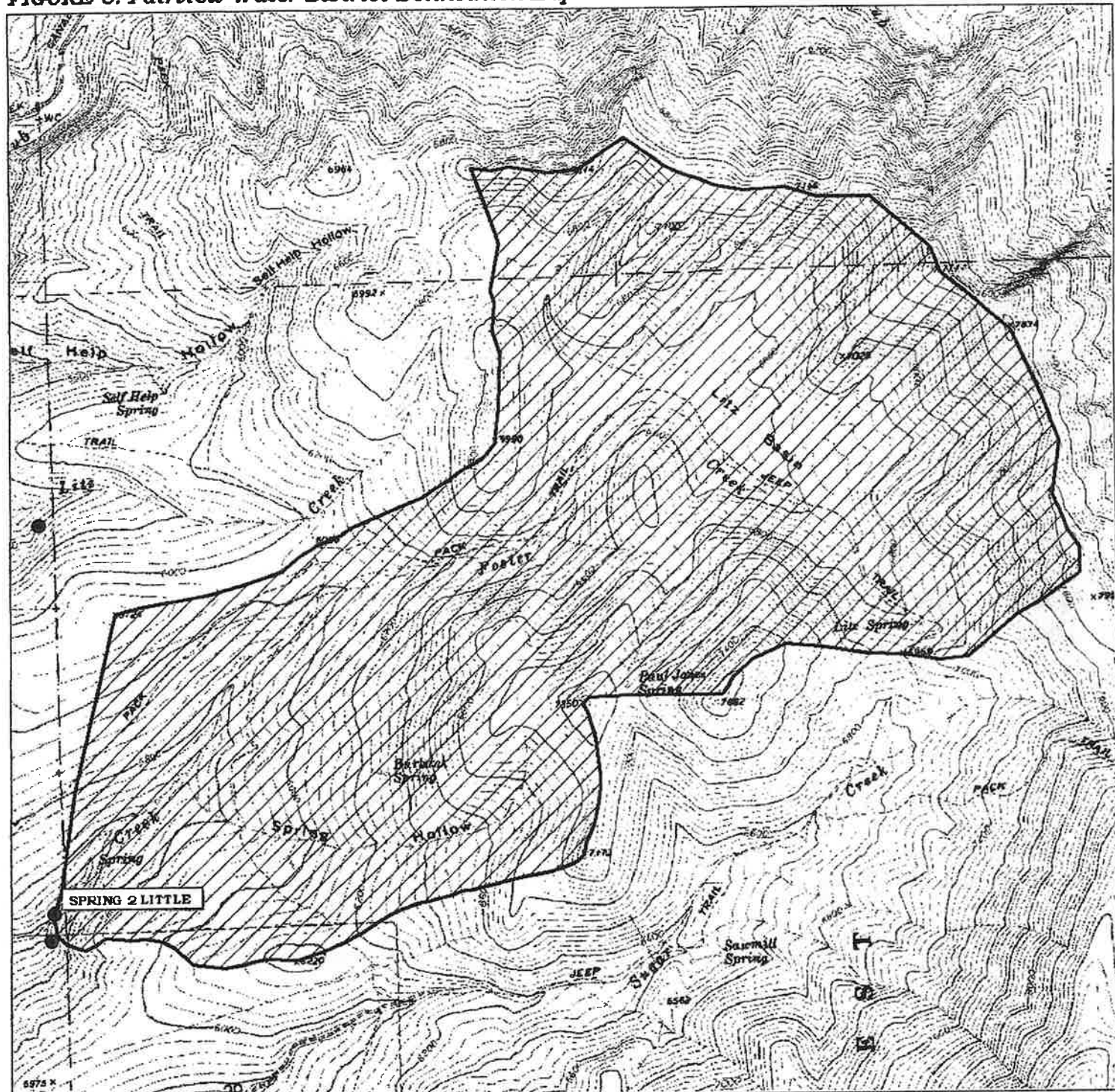
Water system service connection capacity is based on the "firm capacity" of the water sources with highest standby source out of service:

	High	Low
Springs (gpm):	1300	175
Well #1 (gpm):	475	475
Well #2 (gpm):	550	550

Firm Capacity of Water Sources (gpm):		650		
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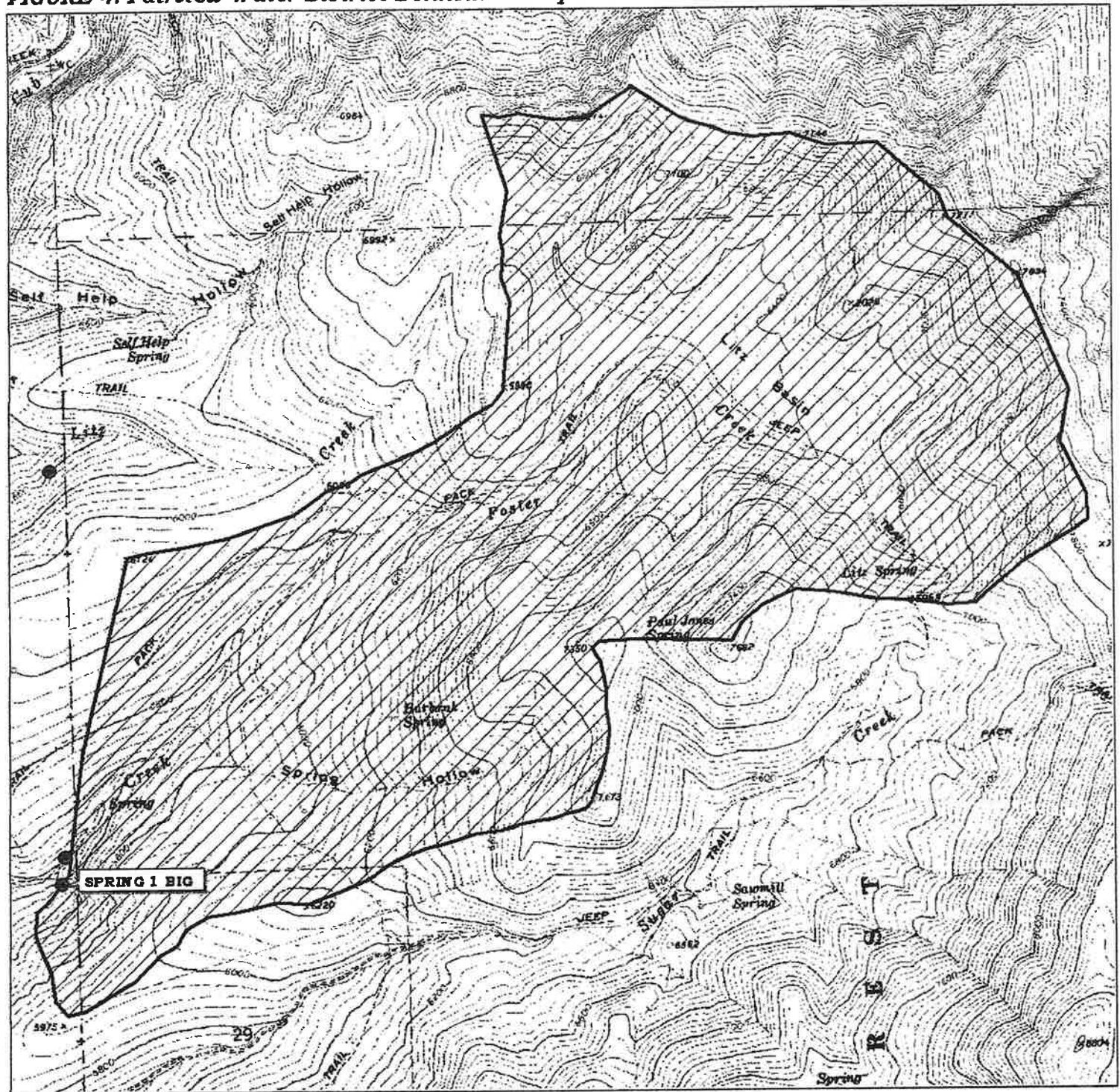
Estimated Number of EDUs Available:		71		
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FIGURE 5. Fairview Water District Delineation Map and Potential Contaminant Source Locations



PWS# 6210006
SPRING 2 LITTLE

FIGURE 4. Fairview Water District Delineation Map and Potential Contaminant Source Locations



0 0.5 1 Miles

LEGEND

Time of Travel Zones

- 1B (3 yr TOT)
- 2 (6 yr TOT)
- 3 (10 yr TOT)

- Wellhead
- Enhanced Inventory
- CERCLIS Site
- RCRIS Site

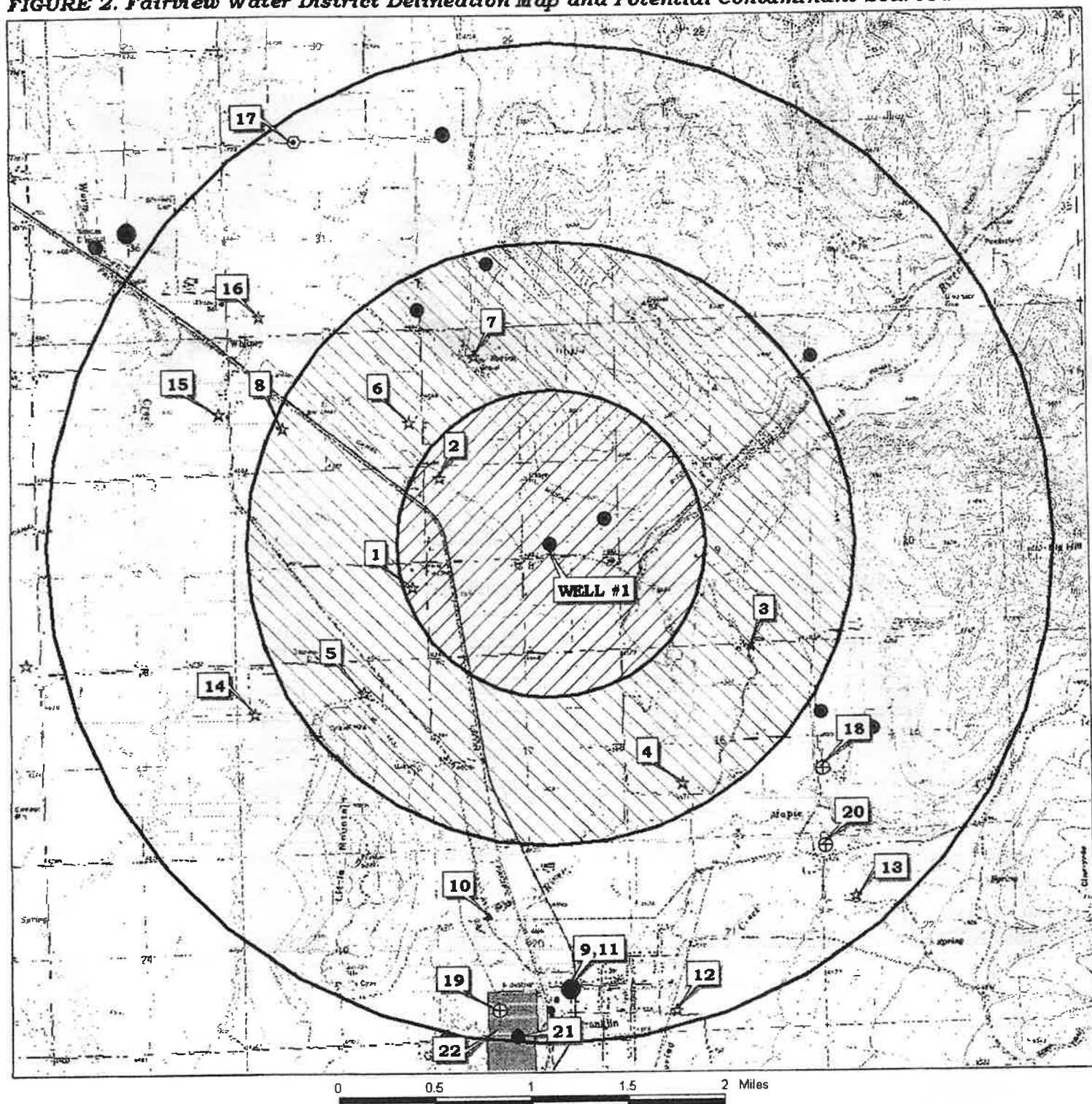
- ★ Dairy
- LUST Site
- ▲ Closed UST Site
- ▲ Open UST Site
- ⊙ Business Mailing List
- NPDES Site
- ✕ Mine
- AST

- Toxic Release Inventory
- SARA Title III Site (EPCRA)
- Recharge Point
- Injection Well
- Group 1 Site
- Cyanide Site
- Landfill
- Wastewater Land App. Site



PWS# 6210006
SPRING 1 BIG

FIGURE 2. Fairview Water District Delineation Map and Potential Contaminant Source Locations



LEGEND

Time of Travel Zones

- 1B (3 yr TOT)
- 2 (6 yr TOT)
- 3 (10 yr TOT)

- Wellhead
- Enhanced Inventory
- CERCLIS Site
- RICSIS Site

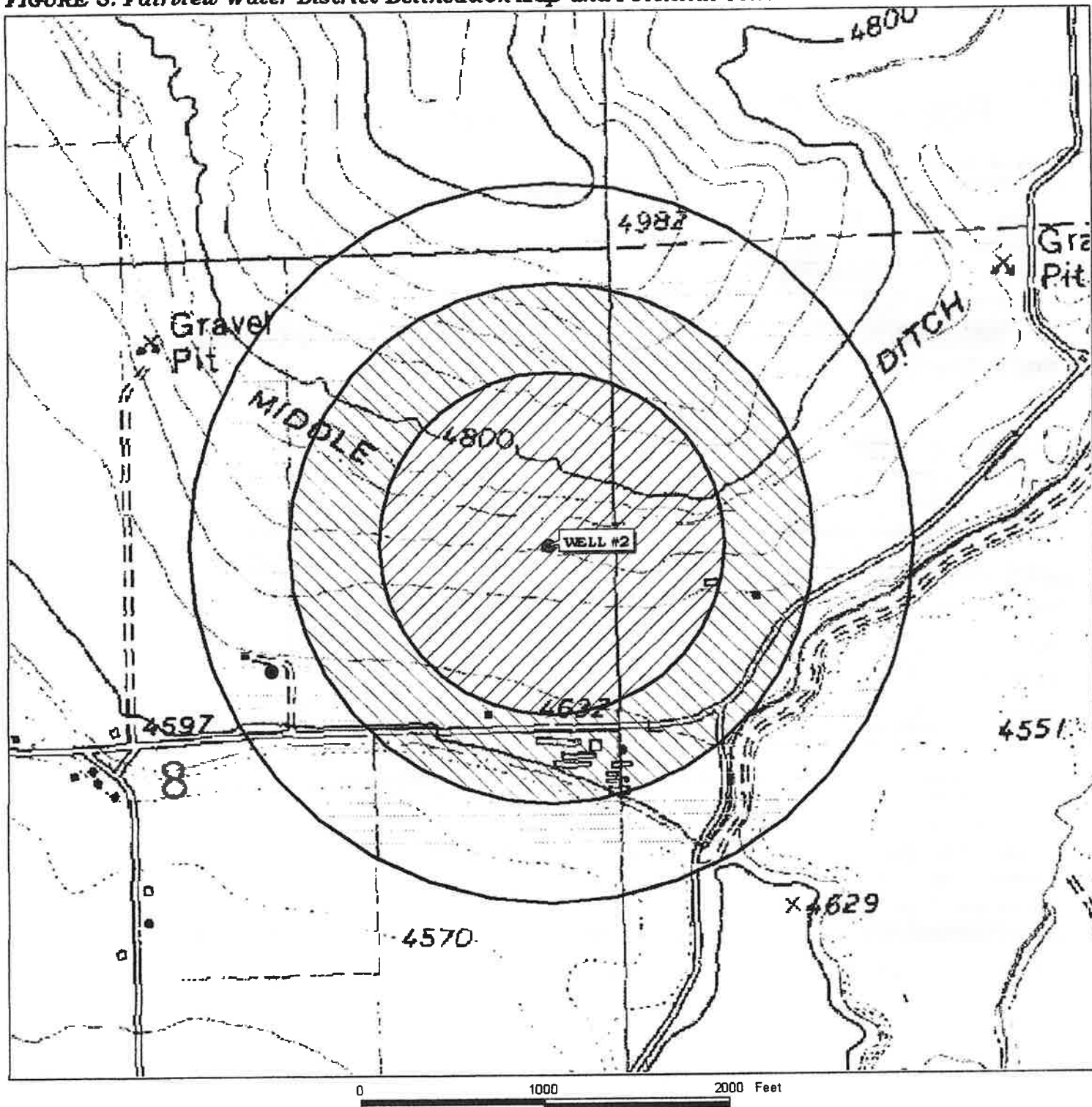
- Dairy
- LUST Site
- Closed UST Site
- Open UST Site
- Business Mailing List
- NPDES Site
- Mine
- AST

- Toxic Release Inventory
- SARA Title III Site (EPCRA)
- Recharge Point
- Injection Well
- Group 1 Site
- Cyanide Site
- Landfill
- Wastewater Land App. Site



PWS# 6210006
WELL #1

FIGURE 3. Fairview Water District Delineation Map and Potential Contaminant Source Locations



LEGEND

Time of Travel Zones

- 1B (3 yr TOT)
- 2 (6 yr TOT)
- 3 (10 yr TOT)
- Wellhead
- Enhanced Inventory
- CERCLIS Site
- RICIS Site

- ★ Dairy
- LUST Site
- ▲ Closed UST Site
- ▲ Open UST Site
- ⊙ Business Mailing List
- NPDES Site
- ⛏ Mine
- AST

- Toxic Release Inventory
- SARA Title III Site (EPCRA)
- Recharge Point
- Injection Well
- Group I Site
- Cyanide Site
- Landfill
- Wastewater Land App. Site



PWS# 6210006
WELL #2

Chris.

Here is the Order
for the Orginazation
of Fairview Water
District. Please let
me know if there is
Anything else you
need.

Thanks
Debbie

THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT
OF THE STATE OF IDAHO, IN AND FOR FRANKLIN COUNTY.
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In the Matter of the Organization
of Fairview Water District, in
Franklin County, Idaho.

ORDER.

Whereas, on the 5th day of May, 1952, in the matter of the organization of Fairview Water District, the Court made an Order that the question of the organization of the district should be submitted to the qualified electors who are taxpayers of the district at an election to be held for that purpose, and appointing three qualified electors who are taxpayers of the District as judges of said election, and directing the Clerk of this Court to give published notice of the time and place of said election to be held in the district not less than twenty days after the first publication of said notice, and providing the manner in which said election should be held, the oath to be taken by electors being permitted to vote, and providing that the voters should vote for or against the organization of the district, and for five qualified electors who are taxpayers of the District who shall constitute the board of directors of the district, if organized, one director to act until the first biennial election, two until the second biennial election, and two until the third biennial election; and that the judges of election should certify the returns of the election to this Court; and

Whereas, pursuant to said Order the Clerk of this Court did give published notice of the time and place of holding such election and did also post copies of said notice in three public places in said district, as will appear from the proofs on file herein; and

208-852-
3377

Also the map I
emailed has been
Verified for the
boundaries.

ATTACHMENT A

Whereas, on May 29th, 1932, between the hours of eight o'clock A.M. and seven o'clock P.M. of said day, at the Fairview Meeting House in said district, an election was held pursuant to said order and notice given thereof, and the returns of said election were duly certified to this Court and filed with the Clerk thereof, from which it duly appears that thirty-eight votes were cast in favor of the organization of said Fairview Water District, and no votes were cast against such organization; and that Gilbert Cafferty received the highest number of votes as director to act until the first biennial election; Elmer Kerr and Orval Bowles received the highest numbers of votes as directors to act until the second biennial election; and Frank Gilbert and Oliver Choules received the highest numbers of votes as directors to act until the third biennial election of said district:

Now, therefore, pursuant to the statute governing the organization of water districts, it is ordered, adjudged, and decreed, as follows:

1. That more than a majority of the votes cast at said election were cast in favor of the organization of the district, and that the said district is hereby declared duly organized, and is given the corporate name of Fairview Water District by which name it shall be known in all further proceedings affecting said district, and said district shall be a governmental subdivision of the State of Idaho and a body corporate with all the powers of a public or quasi-municipal corporation, and shall include all the territory within the following boundaries, to-wit:

Beginning at the Southeast corner of the Southwest quarter of Section 25, Township 16 South, Range 19 East of the Boise Meridian, and running thence North to the Northeast corner of the Northwest quarter of Section 24; thence East 80 rods; thence North 240 rods; thence East 80 rods; thence North 80 rods; thence West 80 rods; thence North 160 rods; thence West to the Center of Section 21; thence North 160 rods; thence West 240 rods; thence South 80 rods; thence West 400 rods; thence South to the Center of Section 21; thence West 80 rods; thence South 193 rods; thence West 80 rods; thence South 79 rods, more or less; thence Southwesterly 17 rods, along fence on hill; thence West 16 rods; thence Southwest 58 rods, to a point approximately 12 rods South of the Southwest corner of said Southeast quarter of Northwest quarter of said Section 29; thence North 12 rods; thence West to the Northwest corner of Southwest quarter of Section 29; thence South to the Southwest corner of Section 29; thence East to the point of beginning; all in Township 16 South, Range 19 East of the Boise Meridian.

2. That Gilbert Cafferty, Elmer Kerr, Orval Bowles, Frank Gilbert and Oliver Choules, are hereby designated as the first board of directors of said district; that Gilbert Cafferty shall act as a director until the first biennial election; Elmer Kerr and Orval Bowles shall act as directors until the second biennial election; and Frank Gilbert and Oliver Choules shall act as directors until the third biennial election. That said directors shall qualify by taking the oaths of office and filling with the Clerk of this Court bonds as provided by law, and thereupon proceed to organize, and to manage and transact the business and affairs of the said district.

Dated at Preston, Idaho, this third day of June, 1952.

Isaac McDougall
District Judge

ATTACHMENT B

NAME	HOOK UPS
CLAINE ARCHIBALD	1
DAVID BECKSTEAD	1
MATT BENSON	1
ROGER BOWCUTT	1
GARY BOWMAN	1
LAVON BOWMAN	1
LARRY BRADFORD	1
CORY BRADFORD	1
BOYD BURBANK	1
VENETA BURBANK	1
DAN BURBANK	1
DEVERE BURBANK	2
LYNN BURBANK	1
LAVERE BURNETT	1
MAPLETON CHURCH	1
PAUL DURSTELER	1
KWEN GRIFFETH	1
KEN HANSEN	1
LERA HANSEN	1
LARRY HOBBS	5
EVELYN HUPPI	2
STEVE ISAACSON	1
MARY JOHNSON	1
KENNETH KNAPP	1
WALTER KNAPP	2
DELOY LARSEN	1
REED LONG	1
WENDELL LONG	1
LAVERE MARTIN	1
RAY NAEF	1
ERIC NYMAN	1
DARREN OLSEN	1
C. PATTON	1
WAYNE PHILLIPS	1
DAUNTES PORTER	1
DORIN PORTER	1
WOODROW PORTER	1
KEN RASMUSSEN	1
SHARON TAYLOR	1