

9.5 Tank and Source Requirement Costs

To evaluate the tank and source requirement costs for the future system, a unit cost was assigned each required improvement. The estimated cost for storage is \$1 million per million gallons of storage. For source, an average well yield of 650 gpm⁸ is used. The estimated cost for each well, including design, drilling, and construction of a well house, is \$700,000 per well. Table 18 is summary of costs for each of the Alternatives.

Water rights are not included in the cost of the future system because Enoch City requires builders to bring water rights before they build. As available water rights are reduced, water from other sources⁹ will have to be used. As shown in Table 16 and Table 17, connecting to the District system would save Enoch City over \$2 million without secondary and \$200,000 when a secondary system is included. In addition, partnering with the CICWCD would allow Enoch City to share the costs of the tank and source requirements and reduce the overall cost. This is possible because the District has the ability to build for a larger number of users and provide a savings through economies of scale. This savings is not reflected in Table 18 because of the difficulty in predicting this amount.

Table 18 – Cost Estimate Summary

Alternative	Distribution Cost	Source Cost	Storage Cost	Secondary Cost	Total Estimated Cost
1- No Secondary	\$10.3	\$25.5	\$14.2	\$0.0	\$50.0
1- With Secondary	\$4.8	\$5.1	\$1.6	\$33.3	\$44.8
2-No Secondary	\$8.0	\$25.5	\$14.2	\$0.0	\$47.7
2-With Secondary	\$4.5	\$5.1	\$1.6	\$33.3	\$44.5

Cost in Millions

9.4 Alternatives to Reduce Capital Improvements to Meet Future Demand

There are several alternatives that can be used to reduce the amount of capital improvements required to meet future demand. These alternatives are listed below.

- Partner with the CICWCD in construction of new wells and tanks. This will reduce the cost due to economies of scale. In addition CICWCD can assist Enoch City in obtaining grants and low interest loans for capital improvements.
- Create an outdoor conservation plan. The largest portion of the required capital improvements is for outdoor use. This can be done by increasing the top tier of the water rate structure. This is the most effective way to limit water use. In addition, restrictive covenants can be placed on new development to limit the amount of outdoor water use.

⁸ This is the average yield of the current City wells.

⁹ These could include Lake Powel Water

Conserving outdoor water will help preserve the aquifer and assure there is sufficient water for the future.

- Implement indoor conservation measures throughout the city. Many possible ideas are listed in Section 6. While indoor conservation does not have as large an impact as outdoor conservation, it is important to keep water conservation on the minds of those who use water. In addition, this could allow the City to require less water right and can reduce the size of capital improvement costs. Similarly, indoor conservation is a key element in assuring that the Cedar Basin has sufficient water to meet future needs.
- Using surface water for the secondary system. Developing wells and pumping underground water is expensive. In addition, using underground water has a negative impact on the aquifer. Using surface water significantly reduces the cost of the secondary system.

10 STATUTORY IMPACT FEE STUDY

10.1 Introduction

The use of impact fees to finance public facilities is a concept that has already gained wide acceptance. The impact fee is frequently used as a source of capital financing in large and medium sized urban areas for system expansion. The theory, practical models, and legislation for determining growth-related costs and calculating impact-fees for new construction are well developed.

The Enoch City water master plan incorporates the City's ability to facilitate future growth. These projects will be needed in order for the City to expand further and impact fees will help economically sustain these projects.

This study discusses the framework for estimating impact fee. It also quantifies the maximum amount that a developer or builder will be required to contribute to pay for the costs of the proposed water system.

The proposed source development and infrastructure improvement projects are expected to be funded by various state and federal agencies, in addition to the water service charges and impact fees.

10.2 Definition of Impact Fee

According to the Utah State Legislative Code 11-36-102, "Impact fee is a payment of money imposed upon development activity as a condition of development approval. Impact fee does not mean a tax, a special assessment, a building permit fee, and a hookup fee, a fee for project improvements, or other reasonable permit or application fee."

An impact fee is a one-time charge on new construction, typically collected at the time of building permit issuance or connection to the water or wastewater system. Impact fees are designed to ensure that new development contributes a fair share of the cost of the capital improvements needed to serve growth. The premise on which impact fees are based is that development should pay for the cost of providing the facilities necessary to accommodate growth. The costs of projects needed to support growth are financed with impact fees based on some measurement of a development's impact on future needs.

10.3 Purpose of Impact Fees

The impact fees are designed to cover the costs associated with providing new facilities in Enoch to allow new users to connect to the City's water systems. The broad purpose of impact fees is to protect the public health, safety and general welfare by providing adequate, safe, reliable water supply. The specific purpose of the impact fees calculated in this study is to fund the construction of the proposed water source development and infrastructure improvement project. This report documents the data, methodology, and results of the impact fee study.

10.4 Legal Framework and Regulatory Requirement

The methods used to calculate impact fees in this study are intended to satisfy all legal requirements governing such fees, including provisions of the U. S. Constitution, and Utah State Legislative Statutes.

1. U. S. Constitution: Like all land use regulations, impact fees are subject to the Fifth Amendment prohibition on taking of private property for public use without compensation. Both state and federal courts have recognized the imposition of impact fees on development as a legitimate form of land use regulation, provided the fees meet standards intended to protect against regulatory takings. To comply with the Fifth Amendment, development regulations must be shown to substantially advance a legitimate governmental interest. In the case of impact fees, that interest is in the protection of public health, safety, and welfare by ensuring that development is not detrimental to the quality of essential public services.

2. Utah State Legislative Statutes: Based on the Utah Impact Fee Act, a political entity such as county, municipality, or a special district imposing impact fees must prepare a written analysis of each impact fee that:

- Identifies the impact on system improvements required by the development activity.
- Demonstrates how those impacts on system improvements are reasonably related to the development activity.
- Estimates the proportionate share of the costs of the impacts on system improvements that are reasonably related to the new development activity; and identifies how the impact fee was calculated.

Utah Impact Fee Act includes the following Utah State Legislative Codes:

Table 19 – Impact Fee Codes

Utah State Legislative Codes	Subject
11-36-101	Title
11-36-102	Definitions
11-36-201	Impact Fees- Analysis, Capital Facilities Plan, Notice of plan, Summary and Exemptions
11-36-202	Impact Fees- Enactment, and Required Provisions
11-36-301	Impact Fees- Accounting
11-36-302	Impact Fees- Expenditure
11-36-303	Refunds
11-36-401	Impact Fees- Challenges, Appeals.
11-36-402	Challenging an Impact Fee by Arbitration, Procedure, Appeal and Costs
11-36-501	Private Entity Assessment of Impact Fees, Notice and Hearing, Audit.

Based on the Utah Impact Fee Act (Utah State Legislative Code 11-36-201), an impact fee study is a prerequisite for a capital facility plan for a political entity such as county, municipality, or a

special district. The political entity may only impose impact fees on development activities when its plan for financing system improvements establishes that impact fees are necessary to achieve equitable allocation to the costs borne in the past and to be borne in the future, in comparison to the benefits already received and yet to be received. The capital facility plan should include impacts that the proposed facility may have on the affected entity.

In calculating the impact fee, the following cost items may be included (Utah Impact Fee Act, Utah State Legislative Code 11-36-202):

- The construction contract price;
- The cost of acquiring land, improvements, materials, and fixtures;
- The planning, surveying, and engineering fees for services provided for and directly related to the construction of the system improvements; and
- The debt service charges, if the political subdivision might use impact fees as a revenue stream to pay the principal and interest on bonds, notes, or other obligations issued to finance the system improvements.

10.5 Legal Issues Related to Impact Fee Analysis Methodology

The preliminary planning to establish an impact fee includes a review of the legal authority and issues associated with capital recovery in the utility's operating environment. Legal authority may be granted through enabling legislation, ordinances, statutes regarding general law or home rule authorities, home charter, utility operation permits, utility service certifications, or judicial rulings. A primary legal issue related to impact fee is establishing a reasonable connection between the amount of impact fees and the cost associated with serving new development.

10.6 Methodology

Any one of the applicable methods described below may be used to calculate impact fees. The choice of a particular method depends primarily on the service characteristics and planning requirements for the facility type being addressed. Each method has advantages and disadvantages in a particular situation, and to some extent they are interchangeable, because they all allocate facility costs in proportion to the needs created by development.

Reduced to its simplest terms, the process of calculating impact fees involves only two steps: determining the cost of development-related capital improvements, and allocating those costs equitably to various types of development. In practice, however, the calculation of impact fees can become quite complicated because of the many variables involved in defining the relationship between development and the need for facilities. There are two common methods used in determining impact fees which will be described in further detail below.

10.6.1 Equity (Buy-in) Method

This method assumes that all the existing users have built up equity in the system and that the impact fees are representative of that equity. This allows for the new users to buy into the equity that the existing users have built up. The largest component to this method is determining the equity of the system. This includes determining assets, depreciation, and liabilities. Once these components are determined, the equity of the system is computed and the impact fees can be assessed. This is a common method when the system is not in need of major improvements. The City is in need of major improvements and therefore needs another method of developing impact fees.

This method was not chosen for the Enoch City impact fee study.

10.6.2 Incremental Cost Method

The incremental cost method provides a method of upgrading the current system to meet future needs without major impacts on the current users. The major component of this method is determining periods of growth, growth rates, type of growth, and needed improvements to support these growths. This evaluation was performed during the master planning of the City and therefore eliminating this component. This system of developing impact fees is recommended for growing cities such as Enoch that need major improvements. This method will allow for the current users to avoid as much impact as possible from the needed improvements.

This method was chosen for the Enoch City impact fee study is the incremental cost method.

10.7 Method

This section calculates impact fees for the proposed source development and infrastructure improvement using the incremental cost method.

The calculation of the impact fee in this section recognizes that new development will contribute to the cost of water system development and infrastructure improvement through from impact fees.

1. The capital improvement costs (CIP) for the two alternatives with and without a secondary system are shown in Table 20, Table 21, Table 22, and Table 23. The cost for the secondary system is shown in Table 24. The top two lines show the estimated water connections from residential, commercial, and industrial users. The third line shows the estimated yearly payment for the capital improvements assuming an interest rate of 3% and that loans are taken at an as needed basis. For 2008 and 2009 the value shown is for a single year. For the remainder of the year the value is a five year average cost. The yearly capital improvement costs are increased at a rate of 3% annually. Line four is the average required payment from each connection to cover the capital improvement costs.
2. Assuming a single loan to cover all capital improvements with the most expensive alternatives increases the cost per ERC. Using a fifty year loan with an interest rate of

6%, the cost per ERC is \$7,600 for culinary and \$5,000 for secondary. Table 25 is a summary of allowable impact fees for 2008. These impact fees can increase each year with inflation.

Table 20 –Costs per ERC Alternative 1

Year	Total CIP Cost \$50,000,000	2008	2009	2014	2019	2024	2029	2034	2039	
New Residential ERC's		289	289	1,393	1,393	1,393	1,393	1,393	1,393	1,393
New Com./Ind. ERC's		180	180	867	867	867	867	867	867	867
Yearly CIP Costs		\$1,612,903	\$1,661,290	\$8,555,645	\$8,812,315	\$9,076,684	\$9,348,984	\$9,629,454	\$9,918,338	
Average Cost Per ERC		\$3,439	\$3,542	\$3,786	\$3,899	\$4,016	\$4,137	\$4,261	\$4,389	

Table 21 - Costs per ERC Alternative 1 With Secondary System

Year	Total CIP Cost \$11,500,000	2008	2009	2014	2019	2024	2029	2034	2039	
New Residential ERC's		289	289	1,393	1,393	1,393	1,393	1,393	1,393	1,393
New Com./Ind. ERC's		180	180	867	867	867	867	867	867	867
Yearly CIP Costs		\$370,968	\$382,097	\$1,967,798	\$2,026,832	\$2,087,637	\$2,150,266	\$2,214,774	\$2,281,218	
Average Cost Per ERC		\$791	\$815	\$871	\$897	\$924	\$951	\$980	\$1,009	

Table 22 - Costs per ERC Alternative 2

Year	Total CIP Cost \$47,700,000	2008	2009	2014	2019	2024	2029	2034	2039	
New Residential ERC's		289	289	1,393	1,393	1,393	1,393	1,393	1,393	1,393
New Com./Ind. ERC's		180	180	867	867	867	867	867	867	867
Yearly CIP Costs		\$1,538,710	\$1,584,871	\$8,162,085	\$8,406,948	\$8,659,156	\$8,918,931	\$9,186,499	\$9,462,094	
Average Cost Per ERC		\$3,281	\$3,379	\$3,612	\$3,720	\$3,831	\$3,946	\$4,065	\$4,187	

Table 23 - Costs per ERC Alternative 2 With Secondary System

Year	Total CIP Cost \$11,200,000	2008	2009	2014	2019	2024	2029	2034	2039	
New Residential ERC's		289	289	1,393	1,393	1,393	1,393	1,393	1,393	1,393
New Com./Ind. ERC's		180	180	867	867	867	867	867	867	867
Yearly CIP Costs		\$361,290	\$372,129	\$1,916,465	\$1,973,958	\$2,033,177	\$2,094,173	\$2,156,998	\$2,221,708	
Average Cost Per ERC		\$770	\$793	\$848	\$873	\$900	\$927	\$954	\$983	

Table 24 - Costs per ERC for Secondary System

Year	Total CIP Cost \$33,300,000	2008	2009	2014	2019	2024	2029	2034	2039	
New Residential ERC's		289	289	1,393	1,393	1,393	1,393	1,393	1,393	1,393
New Com./Ind. ERC's		180	180	867	867	867	867	867	867	867
Yearly CIP Costs		\$1,074,194	\$1,106,419	\$5,698,060	\$5,869,001	\$6,045,072	\$6,226,424	\$6,413,216	\$6,605,613	
Average Cost Per ERC		\$2,290	\$2,359	\$2,521	\$2,597	\$2,675	\$2,755	\$2,838	\$2,923	

Table 25 – Impact Fees for 2008

	Culinary	Secondary
Maximum Allowable Impact Fee	\$7,600	\$5,000
Minimum Impact Fee	\$3,439	\$2,290

10.8 Summary and Recommendations

The impact fee estimate provided in this report is a planning tool. This fee may change as changes occur in the City that affects the master plan. Based on this study, the City could justify

the proposed fees for all new development. As a result of this study, the following recommendation is made:

- The average impact fees needing to be assessed to address the costs of providing future service is \$3,439 per ERC for culinary and \$2,290 for the secondary system. These are minimum impact fees that should be charged.
- These fees cover only the needed funds to support the projected growth of the system.
- The above amount was calculated by averaging the amount of impact fees needed each year to support the increase in ERCs through the year 2039.

11 RECOMMENDATIONS AND CONCLUSIONS

To meet required existing and future demand and minimize costs, the following is recommended.

- Partner with CICWCD to meet future delivery system, source and storage tank requirements. Work with the CICWCD on funding options for required capital improvements. The cost of upgrading the system can be financed through State and Federal agencies at below market terms. In addition, CICWCD can facilitate waste water re-use for Enoch's secondary system.
- Use Alternative 2 with a secondary system to plan for future development. This will allow the City to meet existing and future demand requirements and reduce cost by partnering with CICWCD. Only upgrading the system to meet existing demands will cost more when additional future demand is needed.
- Implement the conservation measure suggested in this report. A conservation oriented rate schedule is the key factor in promoting conservation.
- Install a secondary system with the main supply being surface water and reclaimed waste water

11.1 Phase 1 Capital Improvements

To solve existing pressure and fire problems Nolte recommends the capital improvements listed below. The improvements will allow Enoch to meet fire flows for existing areas and be sized to meet future growth with a secondary system. These improvements are needed now to remedy deficiencies in the system. As new development occurs additional mainlines lines should be added to the system. Please note that the future developments will not meet state requirements with the current upgrades unless a secondary system is in place. In addition, this system requires that Enoch connect to the CICWCD line in Midvalley Rd.

Upgrading the current system to meet future and current demand will cost an additional \$600,000 over the cost of only upgrading the system to meet current requirements. The proposed upgrades assume that a secondary system will be used to provide for outdoor water use and that Enoch City connects to CICWCD's culinary system.

The total estimated cost of the capital improvements is \$2.1million. Depending on loan terms, the cost per connection will be from \$2 to \$5 per user per month. Adding future upgrades now will save Enoch a significant amount money. If construction is delayed until future development is in place, costs for upgrades will increase and Enoch will have to replace existing pipelines twice.

The funding for the Phase 1 of the capital improvements can be supplied by State and Federal agencies through low interest loans and grants. Future capital improvements should be evaluated for each new development to make sure State requirements are met.

Table 26 – Proposed Phase 1 Capital Improvements

Item No.	Description	Pipe Length (ft)	Pipe Diameter (in)	Cost/Foot	Total Cost
1	8" pipe on N Covered Wagon Ave., Westward Ave., and 3800 N	4,340	8	\$30	\$130,200
2	Connect to 12" Water District line along Mid Valley Road	N/A	N/A	N/A	\$0
3	Make an 8" connecting loop from Traylor Park on Minersville Hwy.	400	8	\$30	\$12,000
4	16" pipe from Mid Valley Road to Driftwood along Hwy 91 then West	19,840	16	\$48	\$952,320
5	12" pipe from Sunset Road to 5250 N along Enoch Road	1,840	12	\$38	\$69,920
6	30" tie in from lower tanks to tee on Mid Valley Road and Hwy 91	560	30	\$125	\$70,000
7	16" pipe along Enoch Rd. from Mid Valley Rd. to 5250 N	1,160	16	\$48	\$55,680
8	8" along Enoch Rd. from 5250 N to Raving Rd., also connect to 12" pipe	1,580	8	\$30	\$47,400
9	8" pipe on Apple Blossom Ln., Magnolia Dr., Cottonwood Ln., and Primose Ln., also connect on Primose Ln.	3,680	8	\$30	\$110,400
10	Connect 12" pipe on 5200 N from Tomahawk to 600 E and down to Mid Valley Road	8,660	12	\$38	\$329,080
11	Connect 8" pipe to make loop from Palomino Dr. to Minersville Hwy.	180	8	\$30	\$5,400
12	8" pipe on Cottonwood Dr. and attached streets	3,744	8	\$30	\$112,320
13	8" pipe on Driftwood Ln. from 3600 N to Thourghobred Way, also Appaloosa Loop and Thourghobred Way	4,637	8	\$30	\$139,110
14	8" pipe to 12" pipe on 600 E	2,893	8	\$30	\$86,790
	System Adjustments				
15	Set PRVs to a hydraulic grade of 5,666 ft	N/A	N/A	N/A	\$0
16	Set PRV to 35 psi	N/A	N/A	N/A	\$0
17	Set PRV to 50 psi	N/A	N/A	N/A	\$0
18	Set PRV to 80 psi	N/A	N/A	N/A	\$0
				TOTAL	\$2,120,620

REFERENCES

Mays, L.W. 1999. *Hydraulic Design Handbook*. McGraw Hill.

Principles of Water Rates, Fees, and Charges — Manual of Water Supply Practices. 5th Edition. American Water Works Association.

Cities of North Logan & Mendon, Utah Pricing Water for Conservation (2003). Utah Association of Conservation Districts.

APPENDIXES

APPENDIX A

OWNER	NAME	BASE WR #	WR/APP#	SUPP GRP	DIVERSION TYPE	BENEFICIAL USE	TYPE	STATUS	APPL NO.	FLOW (cfs)	ACFT	PRIORITY DATE
Enoch City Corporation	Well	71-1203	a16835	600133 and 600134	Groundwater	Irrigation	APPL	CERT			2	12/21/1945
Enoch City Corporation	Well	73-1043	a18490	604237	Groundwater	Municipal	APPL	CERT		0.045	0.72	10/17/1950
Enoch City Corporation	Well	73-136	u13711	603641 and 603642	Groundwater	Municipal	APPL	CERT	a4771		0.48	7/31/1909
Enoch City Corporation	Well	73-146	U491	603686	Groundwater	Irrigation	UGWC	WUC			90	7/1/1934
Enoch City Corporation	Well	73-148	U8178	603694	Groundwater	Irrigation	UGWC	WUC			63.26	7/7/1934
Enoch City Corporation	Well	73-149	A11849	603701	Groundwater	Irrigation	APPL	CERT			0.74	9/24/1935
Enoch City Corporation	Well	73-160	U5130	604237	Groundwater	Municipal	UGWC	CERT			561.72	1933
Enoch City Corporation	Well	73-1770		603890	Groundwater	Irrigation	DIL	WUC			40.00	1860
Enoch City Corporation	Well	73-187	U5091	603399	Groundwater	Irrigation	UGWC				1	4/1/1924
Enoch City Corporation	Well	73-1875	A22800	603961	Groundwater	Irrigation/Stockwater/Domestic	APPL	CERT		0.011	7.96	4/20/1951
Enoch City Corporation	Well	73-209	U14015	603641 and 603642	Groundwater	Irrigation	UGWC	CERT			0.72	1/1/1911
Enoch City Corporation	Well	73-213	U14106	604141	Groundwater	Irrigation/Stockwater	UGWC	NonUse			2.29	1/1/1911
Enoch City Corporation	Well	73-2212	A25428	604222	Groundwater	Irrigation/Stockwater/Domestic	APPL	WUC			5060.62	12/16/1953
Enoch City Corporation	Well	73-2227	U1216	604237	Groundwater	Municipal	UGWC	?			26	1/1/1931
Enoch City Corporation	Well	73-2229	U15342	604237	Groundwater	Municipal	UGWC				69.35	1/1/1931
Enoch City Corporation	Well	73-2237	U491	604237	Groundwater	Municipal	UGWC				126.52	7/1/1934
Enoch City Corporation	Well	73-2238	U8178	604237	Groundwater	Municipal	UGWC				45.48	7/7/1934
Enoch City Corporation	Well	73-2262	A11849	604237	Groundwater	Municipal	APPL	CERT			40.00	9/24/1935
Enoch City Corporation	Well	73-2269	U491	604277	Groundwater	Irrigation	UGWC	WUC			1.34	7/1/1934
Enoch City Corporation	Well	73-2270	U8178	604237	Groundwater	Municipal	UGWC	WUC			25.26	7/7/1934
Enoch City Corporation	Well	73-2271	U491	604280	Groundwater	Irrigation	UGWC	WUC			10.00	1/1/1934
Enoch City Corporation	Well	73-2272	A11849	604237	Groundwater	Municipal	APPL	CERT			9.00	9/24/1935
Enoch City Corporation	Well	73-2363	U8176	604237	Groundwater	Municipal	UGWC	WUC			5.00	6/16/1934
Enoch City Corporation	Well	73-2397	U8182	604237	Groundwater	Municipal	UGWC	WUC			5.00	7/23/1963
Enoch City Corporation	Well	73-2434	U5224	604237	Groundwater	Municipal	UGWC	WUC			32.00	3/18/1936
Enoch City Corporation	Well	73-2493	U5224	604237	Groundwater	Municipal	UGWC	WUC			58.00	1/1/1934
Enoch City Corporation	Well	73-2494	U491	604237	Groundwater	Municipal	UGWC	WUC			2.74	7/1/1934
Enoch City Corporation	Well	73-2514	A22646	604237	Groundwater	Municipal	APPL	WUC			15.00	3/5/1951
Enoch City Corporation	Well	73-2529	U5222	604237	Groundwater	Municipal	UGWC	WUC			1.00	4/1/1934
Enoch City Corporation	Spring and Well	73-254		603697	Groundwater	Stockwater	DIL	WUC			1.00	1870
Enoch City Corporation	Well	73-2568	A34982	604237	Groundwater	Municipal	APPL	CERT			0.27	2/14/1963
Enoch City Corporation	Well	73-2569	A12455	604237	Groundwater	Municipal	APPL	WUC			12.00	4/15/1937
Enoch City Corporation	Well	73-2570	U8177	604237	Groundwater	Municipal	UGWC				3.00	6/26/1934
Enoch City Corporation	Well	73-2571	U15342	604237	Groundwater	Municipal	UGWC				15.00	1/1/1931
Enoch City Corporation	Well	73-2738	A17231	604743	Groundwater	Irrigation	APPL	WUC			11.00	9/20/1951
Enoch City Corporation	Well	73-2752	A15652	604758	Groundwater	Irrigation	APPL	WUC			1.00	1/14/1944
Enoch City Corporation	Well	73-2865	A15652	604871	Groundwater	Irrigation	APPL	WUC			1.00	7/17/1944
Enoch City Corporation	Well	73-298	A23204	604237	Groundwater	Municipal	APPL	WUC		0.111	80.36	10/22/1956
Enoch City Corporation	Well and Spring	73-304		604237	Groundwater	Municipal	DIL			0.011	7.96	1890
Enoch City Corporation	Well	73-3264	U491	605246	Groundwater	Irrigation	UGWC				54.76	7/1/1934
Enoch City Corporation	Well	73-3265	U8178	605249	Groundwater	Irrigation	UGWC				34.24	7/7/1934
Enoch City Corporation	Well	73-3266	A11849	605250	Groundwater	Irrigation	APPL	CERT			39.00	9/24/1935
Enoch City Corporation	South Spring Area of Clark Spring	73-3267	a29984	605251	Groundwater	Irrigation	DIL				10.00	1865
Enoch City Corporation	Well	73-3268	A15652	605252	Groundwater	Irrigation	APPL	WUC			7.00	7/17/1944
Enoch City Corporation	Well	73-3269	A25428	605253	Groundwater	Irrigation	APPL	WUC			1.00	12/16/1953
Enoch City Corporation	Well	73-3270		605255	Groundwater	Irrigation	DIL				4.00	1860
Enoch City Corporation	Well	73-3273	A35453c	605258	Groundwater	Irrigation	APPL	WUC			1.00	7/25/1963
Enoch City Corporation	Well	73-3275	A12093	605260	Groundwater	Irrigation	APPL	CERT			1.00	3/21/1936
Enoch City Corporation	Well	73-3286	A15650a	605271	Groundwater	Irrigation	APPL	WUC			4.00	7/17/1944
Enoch City Corporation	Well	73-3452	U13712	605447	Groundwater	Irrigation/Stockwater	UGWC				1.00	2/1/1910
Enoch City Corporation	Well	73-3453	U491	605448	Groundwater	Irrigation	UGWC				19.45	7/1/1934
Enoch City Corporation	Well	73-3456	U14015	605451	Groundwater	Irrigation	UGWC	NonUse			0.23	1/1/1911
Enoch City Corporation	Well	73-3458	U13983	605453	Groundwater	Irrigation	UGWC	WUC			1.00	3/1/1931
Enoch City Corporation	Well	73-3459	U5222	605454	Groundwater	Irrigation	UGWC				2.00	4/1/1934
Enoch City Corporation	Well	73-3460	A25428	605455	Groundwater	Irrigation	APPL	WUC			1.00	12/16/1953
Enoch City Corporation	Well	73-3463	A15650a	605458	Groundwater	Irrigation	APPL	WUC			1.00	7/17/1944
Enoch City Corporation	Well	73-3464	A25428	605459	Groundwater	Irrigation	APPL	WUC			4.00	12/16/1953
Enoch City Corporation	Well	73-3469	A36656	605464	Groundwater	Irrigation	APPL	WUC			13.00	1/8/1965
Enoch City Corporation	Well and Spring	73-398		604237	Groundwater	Municipal	DIL			0.018	13.03	1856
Enoch City Corporation	Well	73-42	U5224	605555	Groundwater	Irrigation	UGWC	WUC			177.17	1/1/1934
Enoch City Corporation	Spring and Wells	73-473		604237	Groundwater	Municipal	DIL			0.007	0.56	1856
Enoch City Corporation	Myron Jones Spring and Wells	73-491		604237	Groundwater	Municipal	DIL			0.008	5.80	1865
Enoch City Corporation	Well and Spring	73-522		604237	Groundwater	Municipal	DIL			0.011	7.96	1856
Enoch City Corporation	Well and Spring	73-523		604237	Groundwater	Municipal	DIL			0.011	7.96	1856
Enoch City Corporation	Spring and Wells	73-524		604237	Groundwater	Municipal	DIL			0.022	15.93	1865
Enoch City Corporation	Spring and Wells	73-525		604237	Groundwater	Municipal	DIL			0.022	15.93	1865
Enoch City Corporation	Spring and Wells	73-526		604237	Groundwater	Municipal	DIL			0.022	15.93	1865
Enoch City Corporation	Well and Spring	73-665		604237	Groundwater	Municipal	DIL			0.011	7.96	1856
Enoch City Corporation	Well and Spring	73-671		604237	Groundwater	Municipal	DIL			0.022	1.93	1865
Enoch City Corporation	Well and Spring	73-673		604237	Groundwater	Municipal	DIL			0.011	7.96	1865
Enoch City Corporation	Well	73-763	U9926	605563 and 605735	Groundwater	Irrigation	UGWC	WUC			2.66	2/1/1934

APPENDIX B

APPENDIX C

Existing Peak Day

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
3	5,551.20	255.56	82.95
5	5,556.50	22.22	80.69
6	5,568.50	22.22	75.49
7	5,577.00	0	71.82
8	5,547.80	2.22	84.47
10	5,547.50	3.33	84.63
11	5,559.00	0.56	79.68
12	5,566.00	0	76.66
15	5,597.90	22.22	62.93
17	5,646.85	0	60.84
21	5,675.00	0.56	50.75
24	5,714.80	0	33.5
26	5,717.20	2.78	32.46
30	5,742.80	1.11	21.38
32	5,744.70	0	20.56
36	5,739.90	0.56	22.64
38	5,725.75	1.11	28.76
40	5,694.80	1.67	45.18
41	5,699.80	0	44.14
42	5,701.80	0	43.71
43	5,706.90	1.67	41.67
44	5,710.00	1.11	40.48
46	5,715.75	2.22	38.42
47	5,733.00	1.11	31.49
49	5,723.90	0	36.17
51	5,720.85	0	38.57
54	5,709.00	0	41.71
61	5,603.00	0	54.46
102	5,542.50	3.33	85.2
103	5,543.80	3.33	84.64
104	5,547.80	3.33	82.92
105	5,548.60	1.67	82.58
109	5,635.50	1.11	46.71
118	5,547.30	1.67	83.06
123	5,682.75	2.22	47.95
128	5,673.40	2.78	49.43
142	5,635.90	1.67	43.85
143	5,635.00	1.11	44.24
144	5,621.90	1.67	50.16
146	5,567.50	3.89	73.46
147	5,579.00	0	67.82
148	5,579.50	1.67	67.53
149	5,581.90	2.22	66.07
150	5,587.10	1.11	64.24
151	5,616.70	2.78	52.8
152	5,623.30	0	48.77
156	5,675.80	0	56.08
158	5,677.00	0	55.56
159	5,690.50	0	49.72
160	5,687.00	0	51.23
161	5,693.70	7.78	48.33
164	5,539.00	0	83.31
165	5,528.20	2.22	87.85
167	5,517.90	2.78	92.15
169	5,511.50	2.22	94.83
175	5,517.00	0	91.45
176	5,527.00	2.78	87.12
179	5,552.10	0	77.71
186	5,624.20	1.11	48.12
187	5,627.00	0	46.35
192	5,595.00	1.11	58.67
193	5,627.00	2.22	45.45
194	5,626.10	0	46.1
196	5,565.50	1.11	69.62
199	5,570.10	1.67	69.16
200	5,573.20	1.67	67.22
201	5,581.10	1.11	63.31
202	5,515.60	0	92.06
205	5,529.50	0	83.61
209	5,482.00	515	40.42
210	5,480.00	1.67	41.63
211	5,481.50	1.67	41.71
213	5,483.00	2.22	41.8
222	5,490.50	28.33	41.89
239	5,491.00	0	40.87
260	5,496.00	0	32.6
277	5,503.00	22.78	29.14
282	5,519.50	0	46
283	5,520.00	0	45.8
285	5,520.50	0	45.61
286	5,520.00	2.22	45.83
287	5,521.10	0	45.4
289	5,521.80	0	45.16
290	5,522.50	0	44.9
291	5,523.00	0	44.72
292	5,523.00	0	44.77
293	5,522.80	0	44.85
294	5,521.90	0	45.24
299	5,525.00	0	44.04
300	5,525.80	0	43.73
303	5,527.00	0	43.32
304	5,527.80	0	43.04
308	5,531.00	0	41.9
309	5,530.00	2.22	42.33
313	5,537.00	2.78	39.31
314	5,537.80	32.22	38.95
325	5,530.00	4.44	42.33
326	5,536.50	2.78	39.42
327	5,539.54	2.22	38.08
328	5,543.20	1.11	36.46
329	5,541.50	2.22	37.18
330	5,538.50	0	38.45
331	5,533.20	2.78	40.71
332	5,529.00	2.22	42.49
333	5,527.90	2.22	42.93
334	5,525.80	5.56	43.38
335	5,525.80	2.78	43.22
336	5,530.50	2.22	41.15
337	5,526.10	3.33	43.03
338	5,522.80	2.22	44.43

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
339	5,521.00	2.22	45.2
340	5,520.70	0	45.32
341	5,518.20	2.22	46.38
342	5,519.00	1.67	46.06
343	5,519.60	2.22	45.82
344	5,519.20	5	45.99
345	5,521.90	3.89	44.85
346	5,525.50	3.89	43.35
348	5,516.80	2.22	46.8
349	5,516.40	2.22	46.93
350	5,516.20	2.78	47.02
351	5,511.90	5	44.82
352	5,510.50	5	43.39
353	5,506.20	3.89	51.15
354	5,506.20	1.67	51.15
355	5,505.80	1.11	51.31
356	5,505.70	1.67	51.35
357	5,504.90	5	51.71
358	5,507.50	4.44	50.66
359	5,510.90	5	49.26
360	5,513.20	3.89	48.37
361	5,518.00	3.33	46.46
363	5,512.90	3.33	48.39
364	5,510.00	5	49.58
365	5,508.20	4.44	50.29
366	5,507.00	1.11	50.8
379	5,574.10	16.67	29.34
383	5,548.10	0	40.6
385	5,538.80	0	44.63
387	5,541.80	0	43.33
390	5,550.50	0	39.57
392	5,496.20	1.11	55.18
396	5,499.00	28.89	53.97
399	5,505.80	1.11	51.03
400	5,504.20	1.67	51.72
403	5,507.00	2.22	50.51
404	5,506.20	2.22	50.85
405	5,504.10	2.22	51.76
408	5,502.80	2.22	52.32
409	5,501.00	2.22	53.1
410	5,500.50	2.22	53.32
411	5,500.25	0	53.43
412	5,500.80	0	53.19
415	5,501.10	2.22	53.06
417	5,503.10	1.67	52.19
418	5,502.90	1.67	52.28
419	5,499.50	2.22	53.75
420	5,498.20	2.22	54.32
421	5,496.20	2.22	55.18
422	5,494.60	1.11	55.87
425	5,496.20	1.67	55.18
426	5,497.20	1.11	54.75
427	5,494.20	1.11	56.04
428	5,494.80	2.22	55.79
429	5,495.00	2.22	55.7
440	5,490.50	24.44	58.44
497	5,525.90	1.11	53.01
502	5,539.50	0	73.23
510	5,539.00	0	72.91
517	5,555.00	1.11	68.95
530	5,567.00	2.78	61.58
531	5,574.00	15.56	58.55
532	5,565.50	6.67	60.04
533	5,574.10	3.33	63.1
534	5,575.90	2.22	61.6
536	5,576.20	2.22	61.39
537	5,575.00	3.33	61.72
538	5,576.30	3.33	60.6
539	5,573.70	2.22	61.55
541	5,576.00	0	60.92
546	5,595.00	1.11	54.59
550	5,589.50	2.22	55.5
553	5,551.00	2.22	71.05
555	5,576.10	6.67	59.78
559	5,616.50	0	46.35
562	5,622.50	1.11	43.41
568	5,600.50	1.11	51.08
569	5,594.80	0	53.47
570	5,591.70	0	54.52
572	5,649.50	0	33.45
575	5,606.00	222.78	34.02
579	5,674.10	0	25.77
580	5,701.70	0	16.75
583	5,761.00	0	94.75
584	5,910.00	0	30.29
585	5,492.20	0	56.48
586	5,492.20	1.11	56.57
587	5,493.00	2.78	56.28
588	5,495.00	2.78	55.51
589	5,496.10	2.78	55.12
594	5,572.22	1.67	61.98
605	5,498.60	0	54.67
606	5,496.50	0	55.53
607	5,495.80	0	55.78
608	5,493.90	0	56.57
609	5,494.10	0	56.48
610	5,496.00	0	55.62
611	5,499.90	0	53.89
612	5,499.90	0	53.88
613	5,502.20	27.22	52.88
614	5,495.90	0	55.74
615	5,498.00	0	54.83
616	5,497.50	0	55.05
617	5,501.00	0	53.53
618	5,503.50	27.22	52.44
657	5,481.00	0	41.2
658	5,618.00	0	52.17
659	5,692.80	0	108.19
660	5,591.00	23.33	65.63
661	5,755.00	0	81.28

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
662	5,602.00	0	60.02
663	5,820.00	0	53.16
664	5,601.00	0	61.61
665	5,711.00	0	100.31
666	5,809.00	0	63.28
667	5,752.00	0	83.27
668	5,888.00	0	35.12
669	5,733.00	0	106.87
670	5,733.00	0	39.56
671	5,733.00	0	88.12
672	5,733.00	0	39.56
673	5,733.00	0	39.56
674	5,733.00	0	39.56
675	5,733.00	0	39.35
676	5,708.00	0	47.98
678	5,534.00	0	83.25
679	5,547.50	0	83.04
680	5,501.00	0	100.77
681	5,499.50	4.44	101.42
682	5,742.76	0	102.64
683	5,490.00	0	37.28
684	5,501.00	33.33	53.11
685	5,505.00	33.33	51.61
694	5,496.00	159.44	30.81
1001	5,715.02	0	13.86
1012	5,730.81	0	9.92
1013	5,728.89	0	10.24
1015	5,722.46	0	11.62
1016	5,719.76	0	12.4
1021	5,646.25	0	34.7
1023	5,645.30	1.67	34.89
1025	5,630.94	0	39.8
1026	5,628.31	0	40.93
1028	5,623.80	0	42.34
1031	5,619.18	0	43.02
1038	5,723.95	0	37.63
1040	5,720.12	0	38.83
1041	5,735.01	0	31.68
1044	5,732.26	1.11	32.02
1045	5,713.52	0	39.28
1049	5,712.32	0	40.81
1051	5,685.03	2.78	47.48
1052	5,676.91	0.56	49.91
1054	5,688.12	2.22	45.06
1055	5,710.22	2.78	35.49
1057	5,736.88	1.11	23.95
1058	5,739.21	2.22	22.94
1060	5,741.73	2.78	21.85
1061	5,745.36	2.78	20.27
1063	5,752.30	1.67	17.27
1064	5,724.61	1.11	29.25
1066	5,715.01	23.33	33.4
1067	5,716.23	1.11	32.87
1070	5,717.09	2.22	32.51
1071	5,661.68	23.33	55.58
1073	5,651.54	23.33	5

Existing Peak Day Continued

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1196	5,585.51	2.78	64.63
1207	5,623.34	2.22	49.28
1208	5,623.23	1.11	49.29
1210	5,635.34	3.33	44.09
1214	5,640.67	2.22	41.78
1217	5,648.85	2.78	38.24
1218	5,620.16	3.33	50.33
1222	5,622.27	0	49.5
1228	5,622.78	0	49.02
1229	5,624.15	3.33	48.4
1235	5,642.50	4.44	70.48
1237	5,664.45	3.33	60.99
1239	5,675.32	0	56.02
1245	5,694.52	0	47.98
1246	5,705.88	0	43.06
1247	5,693.31	0	46.95
1249	5,710.49	7.78	14.19
1250	5,636.98	7.78	41.58
1253	5,627.55	5	45.09
1263	5,602.42	2.22	54.77
1264	5,604.33	3.89	53.72
1266	5,594.70	2.22	58.83
1268	5,593.62	3.33	59.26
1269	5,572.18	1.67	68.39
1270	5,572.59	1.67	68.2
1272	5,563.16	2.78	72.73
1275	5,585.35	2.22	61.15
1278	5,562.75	2.78	69.87
1280	5,545.49	0	76.78
1281	5,543.70	2.22	77.53
1286	5,535.54	2.22	82.39
1293	5,531.00	3.33	82.62
1294	5,527.48	3.89	85.21
1297	5,526.00	0	50.71
1299	5,519.33	5	53.23
1300	5,511.20	5	55.85
1302	5,503.49	5	58
1304	5,497.32	5	59.38
1309	5,493.87	2.22	59.53
1311	5,491.63	2.22	59.24
1312	5,490.86	1.67	58.29
1317	5,489.14	2.22	57.48
1319	5,489.12	1.11	55.75
1320	5,488.87	12.78	54.21
1321	5,488.56	2.22	53.68
1322	5,489.42	0	52.75
1323	5,489.60	1.11	48.91
1326	5,489.65	3.33	45.06
1327	5,489.66	0	42.15
1328	5,490.12	0	41.98
1329	5,490.18	28.33	41.49
1330	5,486.58	0	42.78
1332	5,486.45	0	42.81
1333	5,486.10	1.67	41.93
1334	5,485.34	1.11	41.93
1336	5,487.02	2.22	41.14
1339	5,490.89	2.22	39.14
1341	5,483.18	4.44	42.48
1343	5,483.86	1.67	41.77
1345	5,482.08	2.78	42.2
1346	5,481.40	2.78	42.5
1347	5,481.25	0	41.9
1349	5,480.23	2.22	42.29
1351	5,479.74	3.33	42.47
1352	5,479.56	2.22	41.82
1355	5,485.16	2.22	41.68
1357	5,486.41	2.22	41.21
1359	5,486.72	1.67	41.07
1361	5,485.70	2.22	41.52
1363	5,486.99	1.67	41.02
1366	5,487.90	2.22	40.68
1368	5,489.33	1.67	40.06
1369	5,489.31	1.67	40.07
1371	5,487.85	2.22	42.23
1373	5,490.39	29.44	39.42
1378	5,490.91	5	36.63
1379	5,490.73	0	36.64
1381	5,491.97	1.11	35.45
1382	5,489.94	2.22	36.18
1384	5,489.54	1.11	36.71
1386	5,487.14	0	37.27
1389	5,484.38	0	38.37
1390	5,486.29	0	37.54
1394	5,484.22	30	38.44
1396	5,485.63	0	37.74
1399	5,485.06	0	37.98
1401	5,484.03	30	38.43
1403	5,487.97	0	36.73
1405	5,488.61	0	36.45
1407	5,485.39	0	37.79
1409	5,484.57	30	38.14
1413	5,487.34	0	36.91
1414	5,489.69	0	35.83
1416	5,492.39	0	34.63
1418	5,492.31	0	34.72
1419	5,491.67	3.33	35.05
1421	5,492.39	4.44	34.84
1424	5,494.90	4.44	33.35
1425	5,494.83	1.11	33.29
1433	5,496.64	1.67	32.4
1434	5,494.66	3.33	33.25
1436	5,492.75	3.33	34.08
1437	5,492.37	0	34.25
1438	5,492.93	1.11	34.06
1440	5,492.77	1.11	34.23
1442	5,494.00	0	33.58
1443	5,494.47	1.67	33.28
1446	5,493.75	2.22	33.34
1447	5,494.64	0	32.99
1450	5,495.57	3.33	32.62

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1451	5,495.59	3.33	32.73
1452	5,492.39	3.33	34.11
1459	5,496.48	2.22	32.34
1464	5,499.38	2.22	30.96
1467	5,497.66	3.33	31.71
1470	5,492.71	3.33	33.47
1471	5,494.19	4.44	32.88
1474	5,497.40	3.33	31.58
1476	5,499.21	2.22	30.85
1480	5,499.91	22.78	30.51
1485	5,501.35	22.78	29.86
1487	5,503.34	22.78	28.99
1489	5,504.41	22.78	28.52
1490	5,492.46	159.44	33.35
1493	5,493.53	159.44	32.5
1494	5,494.32	159.44	31.89
1497	5,495.09	159.44	31.37
1498	5,496.36	159.44	30.71
1500	5,497.86	159.44	30.01
1504	5,495.95	0	30.83
1507	5,488.97	2.22	55.06
1509	5,492.61	0	56.21
1512	5,491.51	1.67	56.24
1516	5,493.53	2.22	55.89
1518	5,498.29	4.44	53.24
1521	5,497.13	2.78	52.83
1522	5,496.86	2.78	54.36
1524	5,495.92	4.44	55.11
1526	5,495.79	0	55.39
1529	5,498.15	3.33	55.18
1530	5,498.84	0	54.95
1532	5,498.93	2.78	54.97
1534	5,499.62	0	54.65
1536	5,502.69	0	53.29
1539	5,498.01	25.56	55.29
1541	5,497.94	0	55.33
1543	5,497.87	0	55.06
1548	5,494.02	0	56.69
1562	5,493.17	0	56.92
1576	5,499.93	0	53.88
1581	5,498.57	27.78	56.2
1582	5,502.83	2.78	54.37
1585	5,500.59	4.44	55.34
1586	5,497.51	3.89	56.69
1588	5,495.61	2.22	57.52
1590	5,493.85	2.78	58.28
1592	5,492.26	2.78	58.97
1593	5,494.14	4.44	58.41
1594	5,496.78	2.78	58.26
1596	5,498.23	2.78	57.64
1598	5,499.94	3.89	56.89
1599	5,504.69	4.44	54.82
1602	5,506.89	2.78	53.86
1604	5,508.69	27.78	53.07
1606	5,511.78	27.78	53.13
1607	5,509.62	1.11	54.08
1609	5,509.09	1.11	54.31
1610	5,508.13	3.89	54.72
1613	5,504.52	3.89	56.29
1615	5,502.59	3.89	57.13
1617	5,501.12	3.33	57.76
1619	5,498.02	3.89	59.08
1620	5,504.33	3.33	57.68
1621	5,507.07	3.33	56.64
1622	5,508.58	3.33	56.04
1625	5,508.71	3.89	55.98
1626	5,512.10	3.89	54.52
1627	5,513.69	2.22	53.83
1628	5,513.93	1.11	53.73
1630	5,516.65	27.78	52.54
1632	5,520.17	2.22	52.89
1634	5,521.94	25.56	52.13
1635	5,517.60	0	53.82
1636	5,518.30	1.11	53.71
1637	5,517.79	2.22	53.93
1638	5,516.36	3.33	54.53
1639	5,515.35	3.33	54.92
1640	5,515.31	1.67	54.91
1641	5,514.65	0	55.21
1642	5,515.64	2.22	54.78
1643	5,514.73	3.33	54.99
1644	5,511.30	3.89	55.98
1645	5,521.91	2.22	52.98
1647	5,524.35	2.22	52.8
1648	5,526.43	2.22	52.35
1649	5,526.58	2.22	52.33
1650	5,524.47	0	53.22
1651	5,527.81	3.33	51.87
1652	5,526.51	3.33	52.66
1653	5,525.63	2.22	53.12
1654	5,526.02	0	52.96
1655	5,525.29	0	52.99
1656	5,526.24	27.78	52.85
1658	5,538.65	2.22	72.93
1659	5,538.78	3.33	73.05
1660	5,536.09	2.22	74.48
1662	5,536.72	25.56	74.26
1664	5,564.02	5	62.66
1666	5,550.77	7.22	68.59
1668	5,543.22	1.11	71.91
1670	5,543.77	7.22	71.62
1673	5,548.16	1.67	70.04
1674	5,553.86	27.78	67.57
1676	5,551.07	1.67	69.06
1677	5,553.08	0	68.47
1678	5,553.67	1.67	68.16
1679	5,554.70	2.22	67.79
1680	5,557.10	3.33	66.98
1681	5,556.10	3.33	68.13
1683	5,553.92	0	69.37

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1684	5,555.33	2.22	68.7
1685	5,552.33	1.67	71.24
1687	5,548.20	2.22	74.39
1688	5,534.01	4.44	79.49
1690	5,537.76	2.22	75.94
1691	5,539.24	1.11	73.54
1693	5,539.92	2.22	73.02
1694	5,546.89	0	71.14
1695	5,541.23	3.33	72.31
1696	5,539.66	3.33	72.58
1697	5,538.50	0	72.95
1698	5,536.62	2.22	72.91
1704	5,572.22	0	62.18
1705	5,574.32	1.67	61.38
1710	5,573.21	0	62.73
1714	5,588.86	2.78	59.06
1715	5,596.33	2.78	54.47
1716	5,594.61	2.22	54.83
1717	5,594.99	2.78	54.49
1718	5,597.59	3.33	52.99
1719	5,593.18	3.33	54.14
1720	5,576.04	1.11	61.05
1722	5,571.16	2.78	63.04
1723	5,559.63	2.78	67.72
1724	5,552.64	1.11	70.27
1726	5,629.27	1.11	39.39
1727	5,619.24	1.11	43.28
1728	5,621.30	2.22	43.03
1729	5,618.87	3.33	44.96
1732	5,617.42	2.78	45.8
1733	5,617.49	0	45.87
1734	5,615.77	2.78	46.73
1735	5,613.75	3.89	48.21
1736	5,635.97	4.44	38.97
1743	5,637.21	1.67	38.21
1753	5,497.65	2.22	54.58
1754	5,498.47	0	54.23
1755	5,498.04	4.44	54.41
1756	5,501.53	3.89	52.88
1757	5,502.17	0	52.6
1758	5,501.71	2.78	52.8
1759	5,502.43	6.11	52.49
1761	5,502.96	1.11	52.26
1763	5,498.18	0	54.32
1764	5,497.48	3.33	54.63
1765	5,498.24	3.89	54.31
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Existing Peak Day Continued

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
2629	5,713.54	0	99.22
2630	5,762.27	0	78.13
2633	5,767.94	0	75.68
2634	5,674.83	0	115.97
3470	5,519.00	3.33	46.06
3620	5,515.00	3.33	47.54
6590	5,595.50	23.33	63.77
6610	5,614.00	23.33	55.04
6640	5,898.00	0	31.51

Existing Peak Instantaneous

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
3	5,551.20	0.00	83.07
5	5,556.50	0.00	80.78
6	5,568.50	0.00	75.59
7	5,577.00	0.00	71.91
8	5,547.80	13.99	84.54
10	5,547.50	20.99	84.67
11	5,559.00	3.50	79.7
12	5,566.00	0.00	76.67
15	5,597.90	0.00	62.87
17	5,646.85	0.00	47.33
21	5,675.00	3.50	38.49
24	5,714.80	0.00	21.04
26	5,717.20	17.49	19.97
30	5,742.80	7.00	8.89
32	5,744.70	0.00	8.07
36	5,739.90	3.50	10.16
38	5,725.75	7.00	16.3
40	5,694.80	10.49	35.38
41	5,699.80	0.00	35.31
42	5,701.80	0.00	35.24
43	5,706.90	10.49	33.33
44	5,710.00	7.00	32.26
46	5,715.75	13.99	30.56
47	5,733.00	7.00	24.11
49	5,723.90	0.00	29.48
51	5,720.85	0.00	32.87
54	5,709.00	0.00	34.22
51	5,603.00	0.00	46.15
62	5,542.50	20.99	81.37
103	5,543.80	20.99	80.85
104	5,547.80	20.99	79.43
105	5,548.60	10.49	79.13
109	5,635.50	7.00	44.34
118	5,547.30	10.49	79.49
123	5,682.75	13.99	36.09
128	5,673.40	17.49	34.99
142	5,635.90	10.49	38.72
143	5,635.00	7.00	39.11
144	5,621.90	10.49	45.4
146	5,567.50	24.49	68.43
147	5,579.00	0.00	61.99
148	5,579.50	10.49	61.6
149	5,581.90	13.99	59.67
150	5,587.10	7.00	58.31
151	5,616.70	17.49	48.59
152	5,623.30	0.00	43.06
156	5,675.80	0.00	48.57
158	5,677.00	0.00	48.05
159	5,690.50	0.00	42.21
160	5,687.00	0.00	43.73
161	5,693.70	0.00	40.83
164	5,539.00	0.00	75.4
165	5,528.20	13.99	79.79
167	5,517.90	17.49	83.94
169	5,511.50	13.99	86.56
175	5,517.00	0.00	82.4
176	5,527.00	17.49	78.05
179	5,552.10	0.00	69.88
186	5,624.20	7.00	42.18
187	5,627.00	0.00	39.94
192	5,595.00	7.00	50.67
193	5,627.00	13.99	38.27
194	5,626.10	0.00	39.15
196	5,565.50	7.00	61.45
199	5,570.10	10.49	60.87
200	5,573.20	10.49	58.58
201	5,581.10	7.00	54.41
202	5,515.60	0.00	83.01
205	5,529.50	0.00	73.1
209	5,482.00	0.00	55.64
210	5,480.00	10.49	56.5
211	5,481.50	10.49	55.86
213	5,483.00	13.99	55.23
222	5,490.50	7.00	52.81
239	5,491.00	0.00	52.32
260	5,496.00	0.00	49.74
277	5,503.00	0.00	46.71
282	5,519.50	0.00	19.42
283	5,520.00	0.00	19.2
285	5,520.50	0.00	18.99
286	5,520.00	13.99	19.2
287	5,521.10	0.00	18.74
289	5,521.80	0.00	18.46
290	5,522.50	0.00	18.17
291	5,523.00	0.00	17.97
292	5,523.00	0.00	18
293	5,522.80	0.00	18.08
294	5,521.90	0.00	18.47
299	5,525.00	0.00	17.28
300	5,525.80	0.00	16.97
303	5,527.00	0.00	16.66
304	5,527.80	0.00	16.44
308	5,531.00	0.00	15.63
309	5,530.00	13.99	16.06
313	5,537.00	17.49	13.08
314	5,537.80	0.00	12.73
325	5,530.00	27.98	16.13
326	5,536.50	17.49	13.03
327	5,539.54	13.99	11.66
328	5,543.20	7.00	10.02
329	5,541.50	13.99	10.71
330	5,538.50	0.00	11.98
331	5,533.20	17.49	14.24
332	5,529.00	13.99	16.03
333	5,527.90	13.99	16.49
334	5,525.80	34.98	16.87
335	5,525.80	17.49	16.7
336	5,530.50	13.99	14.64
337	5,526.10	20.99	16.54
338	5,522.80	13.99	17.97

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
339	5,521.00	13.99	18.75
340	5,520.70	0.00	18.88
341	5,518.20	13.99	19.97
342	5,519.00	10.49	19.62
343	5,519.60	13.99	19.37
344	5,519.20	31.48	19.56
345	5,521.90	24.49	18.37
346	5,525.50	24.49	16.83
348	5,516.80	13.99	20.65
349	5,516.40	13.99	20.83
350	5,516.20	17.49	20.92
351	5,511.90	31.48	22.86
352	5,510.50	31.48	23.55
353	5,506.20	24.49	25.9
354	5,506.20	10.49	25.91
355	5,505.80	7.00	26.21
356	5,505.70	10.49	26.27
357	5,504.90	31.48	26.43
358	5,507.50	27.98	24.94
359	5,510.90	31.48	23.29
360	5,513.20	24.49	22.2
361	5,518.00	20.99	20.06
363	5,512.90	20.99	22.43
364	5,510.00	31.48	23.83
365	5,508.20	27.98	24.96
366	5,507.00	7.00	25.52
379	5,574.10	0.00	10.26
383	5,548.10	0.00	21.52
385	5,538.80	0.00	25.55
387	5,541.80	0.00	24.25
390	5,550.50	0.00	20.48
392	5,496.20	7.00	35.18
396	5,499.00	7.00	33.8
399	5,505.80	7.00	30.9
400	5,504.20	10.49	32.89
403	5,507.00	13.99	33.65
404	5,506.20	13.99	35.38
405	5,504.10	13.99	36.54
408	5,502.80	13.99	37.5
409	5,501.00	13.99	38.29
410	5,500.50	13.99	38.51
411	5,500.25	0.00	38.63
412	5,500.80	0.00	38.36
415	5,501.10	13.99	33.89
417	5,503.10	10.49	33.29
418	5,502.90	10.49	33.25
419	5,498.50	13.99	35.01
420	5,498.20	13.99	35.72
421	5,496.20	13.99	39.39
422	5,494.60	7.00	38.56
425	5,496.20	10.49	36.42
426	5,497.20	7.00	35.65
427	5,494.20	7.00	38.06
428	5,494.80	13.99	37.24
429	5,495.00	13.99	36.99
440	5,490.50	0.00	56.9
497	5,525.90	7.00	52.18
502	5,539.50	0.00	61.2
510	5,539.00	0.00	61.27
517	5,555.00	7.00	57.68
530	5,567.00	17.49	51.69
531	5,574.00	7.00	48.89
532	5,565.50	20.99	57.94
533	5,574.10	20.99	52.6
534	5,575.90	13.99	50.95
536	5,576.20	13.99	50.71
537	5,575.00	20.99	50.98
538	5,576.30	20.99	49.79
539	5,573.70	13.99	50.75
541	5,576.00	0.00	50.4
546	5,595.00	7.00	44.6
550	5,589.50	13.99	45.08
553	5,551.00	13.99	61.17
555	5,576.10	7.00	50.23
559	5,616.50	0.00	37.15
562	5,622.50	7.00	34.47
568	5,600.50	7.00	40.91
569	5,594.80	0.00	43.27
570	5,591.70	0.00	44.21
572	5,649.50	0.00	25.65
575	5,608.00	0.00	25.54
579	5,674.10	0.00	19.85
580	5,701.70	0.00	12.7
583	5,761.00	0.00	94.75
584	5,910.00	0.00	30.29
585	5,492.20	0.00	53.11
586	5,492.20	7.00	52.64
587	5,493.00	17.49	51.95
588	5,495.00	17.49	50.61
589	5,496.10	17.49	49.75
594	5,572.22	10.49	51.13
605	5,498.60	0.00	50.23
606	5,496.50	0.00	50.98
607	5,495.80	0.00	51.12
608	5,493.90	0.00	51.8
609	5,494.10	0.00	51.69
610	5,496.00	0.00	50.72
611	5,499.90	0.00	48.87
612	5,499.90	0.00	48.86
613	5,502.20	0.00	47.86
614	5,495.90	0.00	51.08
615	5,498.00	0.00	50.17
616	5,497.50	0.00	50.39
617	5,501.00	0.00	48.87
618	5,503.50	0.00	47.79
657	5,481.00	0.00	56.07
658	5,618.00	0.00	47.86
659	5,692.80	0.00	93.45
660	5,591.00	0.00	64.96
661	5,755.00	0.00	66.54

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
662	5,602.00	0.00	57.49
663	5,620.00	0.00	38.42
664	5,601.00	0.00	61.53
665	5,711.00	0.00	85.57
666	5,809.00	0.00	53.46
667	5,752.00	0.00	69.16
668	5,888.00	0.00	30.82
669	5,733.00	0.00	106.87
670	5,733.00	0.00	39.55
671	5,733.00	0.00	70.93
672	5,733.00	0.00	39.55
673	5,733.00	0.00	39.55
674	5,733.00	0.00	39.55
675	5,733.00	0.00	39.14
676	5,708.00	0.00	45.8
678	5,534.00	0.00	73.7
679	5,547.50	0.00	79.21
680	5,501.00	0.00	94.13
681	5,499.50	0.00	94.78
682	5,742.76	0.00	102.64
683	5,490.00	0.00	52.55
684	5,501.00	0.00	32.77
685	5,505.00	0.00	26.97
694	5,496.00	0.00	49.76
1001	5,715.02	0.00	11.75
1012	5,730.81	0.00	9.85
1013	5,728.89	0.00	9.8
1015	5,722.46	0.00	10.19
1016	5,719.76	0.00	10.7
1021	5,646.25	0.00	26.69
1023	5,645.30	10.49	26.89
1025	5,630.94	0.00	31.18
1026	5,628.31	0.00	32.21
1028	5,623.80	0.00	33.57
1031	5,619.18	0.00	33.93
1038	5,723.95	0.00	32.3
1040	5,720.12	0.00	33.09
1041	5,735.01	0.00	25.28
1044	5,732.26	0.00	24.83
1045	5,713.52	0.00	31.33
1049	5,712.32	0.00	33.81
1051	5,685.03	17.49	36.06
1052	5,676.91	3.50	37.65
1054	5,688.12	13.99	32.7
1055	5,710.22	17.49	23.04
1057	5,736.88	7.00	11.47
1058	5,739.21	13.	

Existing Peak Instantaneous Continued

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1196	5,585.51	17.49	58.35
1207	5,623.34	13.99	44.17
1208	5,623.23	7.00	44.12
1210	5,635.34	20.99	38.97
1214	5,640.67	0.00	36.66
1217	5,648.85	17.49	33.12
1218	5,620.16	20.99	44.82
1222	5,622.27	0.00	44.09
1228	5,622.78	0.00	43.34
1229	5,624.15	20.99	42.69
1235	5,642.50	27.98	62.96
1237	5,664.45	20.99	53.47
1239	5,675.92	0.00	48.51
1245	5,694.52	0.00	40.48
1246	5,705.88	0.00	35.57
1247	5,693.31	0.00	38.11
1249	5,710.49	0.00	10.93
1250	5,636.98	0.00	34.79
1253	5,627.55	31.48	37.82
1263	5,602.42	13.99	46.48
1264	5,604.33	24.49	45.31
1266	5,594.70	13.99	50.86
1268	5,593.62	20.99	51.24
1269	5,572.18	10.49	60.18
1270	5,572.59	10.49	59.97
1272	5,563.16	17.49	64.79
1275	5,585.35	13.99	52.1
1278	5,562.75	17.49	60.04
1280	5,545.49	0.00	66.49
1281	5,543.70	13.99	67.21
1286	5,535.54	13.99	72.73
1293	5,531.00	20.99	71.93
1294	5,527.48	24.49	75.09
1297	5,526.00	0.00	50.56
1299	5,519.33	13.99	52.77
1300	5,511.20	13.99	54.86
1302	5,503.49	13.99	56.54
1304	5,497.32	13.99	57.62
1309	5,493.87	13.99	57.66
1311	5,491.63	13.99	57.42
1312	5,490.86	10.49	56.74
1317	5,489.14	13.99	56.55
1319	5,489.12	7.00	55.82
1320	5,488.87	0.00	55.46
1321	5,488.56	13.99	55.41
1322	5,489.42	0.00	54.95
1323	5,489.00	7.00	54.25
1326	5,489.65	20.99	53.61
1327	5,489.66	0.00	53.14
1328	5,490.12	0.00	52.95
1329	5,490.18	7.00	52.9
1330	5,486.58	0.00	54.23
1332	5,486.45	0.00	54.28
1333	5,486.10	10.49	54.11
1334	5,485.34	7.00	54.35
1336	5,487.02	13.99	53.59
1339	5,490.89	13.99	51.86
1341	5,483.18	27.98	55.2
1343	5,483.86	10.49	54.87
1345	5,482.08	17.49	55.62
1346	5,481.40	17.49	55.92
1347	5,481.25	0.00	55.96
1349	5,480.23	13.99	56.4
1351	5,479.74	20.99	56.61
1352	5,479.56	13.99	56.69
1355	5,485.16	13.99	54.34
1357	5,486.41	13.99	53.81
1359	5,486.72	10.49	53.67
1361	5,485.70	13.99	54.11
1363	5,486.99	10.49	53.56
1366	5,487.90	13.99	53.18
1368	5,489.33	10.49	52.56
1369	5,489.31	10.49	52.57
1371	5,487.85	13.99	53.68
1373	5,490.39	13.99	52.61
1378	5,490.91	0.00	52.13
1379	5,490.73	0.00	52.2
1381	5,491.97	7.00	51.6
1382	5,489.94	13.99	52.46
1384	5,489.54	7.00	53.06
1386	5,487.14	0.00	53.65
1389	5,484.38	0.00	54.85
1390	5,486.29	0.00	54.02
1394	5,484.22	0.00	54.92
1396	5,485.63	0.00	54.31
1399	5,485.06	0.00	54.55
1401	5,484.03	0.00	55
1403	5,487.97	0.00	53.29
1405	5,488.61	0.00	53.02
1407	5,485.39	0.00	54.41
1409	5,484.57	0.00	54.76
1413	5,487.34	0.00	53.56
1414	5,489.69	0.00	52.53
1416	5,492.39	0.00	51.36
1418	5,492.31	0.00	51.39
1419	5,491.67	20.99	51.68
1421	5,492.39	51.24	27.98
1424	5,494.90	27.98	50.23
1425	5,494.83	7.00	50.26
1433	5,496.64	10.49	49.47
1434	5,494.66	20.99	50.33
1436	5,492.75	20.99	51.16
1437	5,492.37	0.00	51.32
1438	5,492.93	7.00	51.09
1440	5,492.77	7.00	51.18
1442	5,494.00	0.00	50.64
1443	5,494.47	10.49	50.43
1446	5,493.75	13.99	50.73
1447	5,494.64	0.00	50.34
1450	5,495.57	20.99	49.93

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1451	5,495.59	20.99	49.92
1452	5,492.39	20.99	51.31
1459	5,496.48	13.99	49.53
1464	5,499.38	13.99	48.28
1467	5,497.66	20.99	49.02
1470	5,492.71	20.99	51.18
1471	5,494.19	27.98	50.53
1474	5,497.40	20.99	49.14
1476	5,499.21	13.99	48.35
1480	5,499.91	0.00	48.05
1485	5,501.35	0.00	47.43
1487	5,503.34	0.00	46.57
1489	5,504.41	0.00	46.1
1490	5,492.46	0.00	51.29
1493	5,493.53	0.00	50.83
1494	5,494.32	0.00	50.49
1497	5,495.09	0.00	50.15
1498	5,496.36	0.00	49.6
1500	5,497.86	0.00	48.95
1504	5,495.95	0.00	49.78
1507	5,488.97	13.99	55.16
1509	5,492.61	0.00	53.51
1512	5,491.51	10.49	53.99
1516	5,493.53	13.99	53.83
1518	5,498.29	27.98	51.77
1521	5,497.13	17.49	52.31
1522	5,496.86	17.49	53.16
1524	5,495.92	27.98	53.51
1526	5,495.79	0.00	53.56
1529	5,498.15	20.99	53.44
1530	5,498.84	27.98	53
1532	5,498.93	17.49	52.91
1534	5,499.62	0.00	52.05
1536	5,502.69	0.00	50.07
1539	5,498.01	0.00	51.76
1541	5,497.94	0.00	51.78
1543	5,497.87	0.00	50.81
1548	5,494.02	0.00	52.36
1562	5,493.17	0.00	52.26
1576	5,499.93	0.00	48.85
1581	5,498.57	13.99	53.58
1582	5,502.83	17.49	51.74
1585	5,500.59	27.98	52.77
1586	5,497.51	24.49	54.39
1588	5,495.61	13.99	55.38
1590	5,493.85	17.49	56.2
1592	5,492.26	17.49	57.02
1593	5,494.14	27.98	57.43
1594	5,496.78	17.49	56.22
1596	5,498.23	17.49	55.55
1598	5,499.94	24.49	54.74
1599	5,504.69	27.98	52.59
1602	5,506.89	17.49	51.63
1604	5,508.69	13.99	50.85
1606	5,511.78	13.99	51.19
1607	5,509.62	7.00	52.13
1609	5,509.09	7.00	52.36
1610	5,508.13	24.49	52.78
1613	5,504.52	24.49	54.37
1615	5,502.99	24.49	55.24
1617	5,501.12	20.99	55.88
1619	5,498.02	24.49	57.28
1620	5,504.33	20.99	56.18
1621	5,507.07	20.99	55.01
1622	5,508.58	20.99	54.38
1625	5,508.71	24.49	54.31
1626	5,512.10	24.49	52.84
1627	5,513.69	13.99	52.16
1628	5,513.93	7.00	52.05
1630	5,516.65	13.99	50.87
1632	5,520.17	13.99	51.57
1634	5,521.94	0.00	50.8
1635	5,517.60	0.00	52.45
1636	5,518.30	7.00	52.38
1637	5,517.79	13.99	52.6
1638	5,516.36	20.99	53.19
1639	5,515.35	20.99	53.6
1640	5,515.31	10.49	53.61
1641	5,514.65	0.00	53.9
1642	5,515.64	13.99	53.48
1643	5,514.73	20.99	53.72
1644	5,511.30	24.49	54.89
1645	5,521.91	13.99	52.34
1647	5,524.35	13.99	52.05
1648	5,526.43	13.99	51.58
1649	5,526.58	13.99	51.55
1650	5,524.47	0.00	52.46
1651	5,527.81	20.99	51.06
1652	5,526.51	20.99	51.82
1653	5,525.63	13.99	52.29
1654	5,526.02	0.00	52.13
1655	5,525.29	0.00	52.11
1656	5,526.24	13.99	52.03
1658	5,538.65	13.99	61.13
1659	5,538.78	20.99	61.46
1660	5,536.09	13.99	63.27
1662	5,536.72	0.00	63.12
1664	5,564.02	0.00	52.86
1666	5,550.77	13.99	58.16
1668	5,543.22	7.00	61.12
1670	5,543.77	13.99	60.87
1673	5,548.16	10.49	59.09
1674	5,553.86	13.99	56.62
1676	5,551.07	10.49	57.95
1677	5,553.08	0.00	57.23
1678	5,553.67	10.49	56.94
1679	5,554.70	13.99	56.54
1680	5,557.10	20.99	55.68
1681	5,556.10	20.99	56.8
1683	5,553.92	0.00	58.09

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1684	5,555.33	13.99	57.41
1685	5,552.33	10.49	60.21
1687	5,548.20	13.99	63.71
1688	5,534.01	27.98	68.19
1690	5,537.76	13.99	64.22
1691	5,539.24	7.00	61.54
1693	5,539.92	13.99	60.99
1694	5,546.89	0.00	59.46
1695	5,541.23	20.99	60.29
1696	5,539.66	20.99	60.68
1697	5,538.50	0.00	61.11
1698	5,536.62	13.99	61.06
1704	5,572.22	0.00	51.37
1705	5,574.12	10.49	50.59
1710	5,573.21	0.00	52.08
1714	5,588.86	17.49	49.72
1715	5,596.33	17.49	44.61
1716	5,594.61	13.99	44.86
1717	5,594.99	17.49	44.45
1718	5,597.59	20.99	42.79
1719	5,593.18	20.99	43.74
1720	5,576.04	7.00	50.65
1722	5,571.16	17.49	52.69
1723	5,559.63	17.49	57.55
1724	5,552.64	7.00	60.44
1726	5,629.27	7.00	29.59
1727	5,619.24	7.00	33.23
1728	5,621.30	13.99	33.33
1729	5,618.87	20.99	35.87
1732	5,617.42	17.49	36.7
1733	5,617.49	0.00	36.88
1734	5,615.77	17.49	37.54
1735	5,613.75	24.49	39.18
1736	5,635.97	27.98	30.44
1743	5,637.21	10.49	29.6
1753	5,497.65	13.99	48.53
1754	5,498.47	0.00	47.79
1755	5,498.04	27.98	47.82
1756	5,501.53	24.49	41.31

Existing Peak Instantaneous Continued

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
2629	5,713.54	0.00	84.48
2630	5,762.27	0.00	63.39
2633	5,767.94	0.00	60.94
2634	5,674.83	0.00	101.23
3470	5,519.00	20.99	19.65
3620	5,515.00	20.99	21.45
6590	5,595.50	0.00	63.26
6610	5,614.00	0.00	53.02
6640	5,898.00	0.00	27.87

Existing Fire Flow

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
3	TRUE	82.95
5	TRUE	80.69
6	TRUE	75.49
7	TRUE	71.82
8	TRUE	84.47
10	TRUE	84.63
11	TRUE	79.68
12	TRUE	76.66
15	TRUE	62.93
17	TRUE	60.84
21	TRUE	50.75
24	FALSE	33.5
26	FALSE	32.46
30	FALSE	21.38
32	FALSE	20.56
36	FALSE	22.64
38	FALSE	28.76
40	TRUE	45.18
41	TRUE	44.14
42	TRUE	43.71
43	TRUE	41.67
44	TRUE	40.48
46	FALSE	38.42
47	FALSE	31.49
49	FALSE	36.17
51	TRUE	38.57
54	TRUE	41.71
61	TRUE	54.46
102	FALSE	85.2
103	FALSE	84.64
104	TRUE	82.92
105	TRUE	82.58
109	TRUE	46.71
118	TRUE	83.06
123	TRUE	47.95
128	FALSE	49.43
142	TRUE	43.85
143	TRUE	44.24
144	TRUE	50.16
146	TRUE	73.46
147	TRUE	67.82
148	TRUE	67.53
149	TRUE	66.07
150	TRUE	64.24
151	TRUE	52.8
152	TRUE	48.77
156	TRUE	56.08
158	TRUE	55.56
159	TRUE	49.72
160	TRUE	51.23
161	TRUE	48.33
164	TRUE	83.31
165	TRUE	87.85
167	TRUE	92.15
169	TRUE	94.83
175	TRUE	91.45
176	TRUE	87.12
179	TRUE	77.71
186	TRUE	48.12
187	TRUE	46.35
192	TRUE	58.67
193	TRUE	45.45
194	TRUE	46.1
196	TRUE	69.62
199	TRUE	69.16
200	TRUE	67.22
201	TRUE	63.31
202	TRUE	92.06
205	TRUE	83.61
209	FALSE	40.42
210	FALSE	41.63
211	FALSE	41.71
213	FALSE	41.8
222	FALSE	41.89
239	FALSE	40.87
260	FALSE	32.6
277	FALSE	29.14
282	FALSE	46
283	FALSE	45.8
285	FALSE	45.61
286	FALSE	45.83
287	FALSE	45.4
289	FALSE	45.16
290	FALSE	44.9
291	FALSE	44.72
292	FALSE	44.77
293	FALSE	44.85
294	FALSE	45.24
299	FALSE	44.04
300	FALSE	43.73
303	FALSE	43.32
304	FALSE	43.04
308	FALSE	41.9
309	FALSE	42.33
313	FALSE	39.31
314	FALSE	38.95
325	FALSE	42.33
326	FALSE	39.42
327	FALSE	38.08
328	FALSE	36.46
329	FALSE	37.18
330	FALSE	38.45
331	FALSE	40.71
332	FALSE	42.49
333	FALSE	42.93
334	FALSE	43.38
335	FALSE	43.22
336	FALSE	41.15

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
337	FALSE	43.03
338	FALSE	44.43
339	FALSE	45.2
340	FALSE	45.32
341	FALSE	46.39
342	FALSE	46.06
343	FALSE	45.82
344	FALSE	45.99
345	FALSE	44.85
346	FALSE	43.35
348	FALSE	46.8
349	FALSE	46.93
350	FALSE	47.02
351	FALSE	48.82
352	FALSE	49.39
353	FALSE	51.15
354	FALSE	51.15
355	FALSE	51.31
356	FALSE	51.35
357	FALSE	51.71
358	FALSE	50.66
359	FALSE	49.28
360	FALSE	48.37
361	FALSE	46.46
363	FALSE	48.39
364	FALSE	49.58
365	FALSE	50.29
366	FALSE	50.8
379	FALSE	29.34
383	FALSE	40.6
385	FALSE	44.63
387	FALSE	43.33
390	FALSE	39.57
392	FALSE	55.18
396	FALSE	53.97
399	FALSE	51.03
400	FALSE	51.72
403	FALSE	50.51
404	FALSE	50.95
405	FALSE	51.76
408	FALSE	52.32
409	FALSE	53.1
410	FALSE	53.32
411	FALSE	53.43
412	FALSE	53.19
415	FALSE	53.06
417	FALSE	52.19
418	FALSE	52.28
419	FALSE	53.75
420	FALSE	54.32
421	FALSE	55.18
422	FALSE	55.87
425	FALSE	55.18
426	FALSE	54.75
427	FALSE	56.04
428	FALSE	55.79
429	FALSE	55.7
440	TRUE	58.44
497	TRUE	53.01
502	TRUE	73.23
510	TRUE	72.91
517	TRUE	68.95
530	TRUE	61.58
531	TRUE	58.55
532	TRUE	68.04
533	TRUE	63.1
534	TRUE	61.6
536	TRUE	61.39
537	TRUE	61.72
538	TRUE	60.6
539	TRUE	61.55
541	TRUE	60.92
546	TRUE	54.59
550	TRUE	55.5
553	TRUE	71.05
555	TRUE	59.78
559	TRUE	46.35
562	TRUE	43.41
568	FALSE	51.08
569	TRUE	53.47
570	TRUE	54.52
572	FALSE	33.45
575	FALSE	34.02
579	FALSE	25.77
580	FALSE	16.75
583	TRUE	94.75
584	TRUE	30.29
585	TRUE	56.48
586	TRUE	56.57
587	TRUE	56.28
588	TRUE	55.51
589	TRUE	55.12
594	TRUE	61.98
605	TRUE	54.67
606	TRUE	55.53
607	TRUE	55.78
608	TRUE	56.57
609	TRUE	56.48
610	TRUE	55.62
611	TRUE	53.89
612	TRUE	53.88
613	FALSE	52.88
614	TRUE	55.74
615	TRUE	54.83
616	TRUE	55.05
617	TRUE	53.53
618	FALSE	52.44
657	FALSE	41.2

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
658	TRUE	52.17
659	TRUE	108.19
660	FALSE	65.63
661	FALSE	81.28
662	TRUE	60.02
663	FALSE	53.16
664	TRUE	61.61
665	FALSE	100.31
666	TRUE	63.28
667	TRUE	83.27
668	TRUE	35.12
669	FALSE	106.87
670	TRUE	39.56
671	TRUE	88.12
672	TRUE	39.56
673	TRUE	39.56
674	TRUE	39.56
675	TRUE	39.35
676	TRUE	47.98
678	TRUE	83.25
679	FALSE	83.04
680	TRUE	100.77
681	TRUE	101.42
682	TRUE	102.64
683	FALSE	37.28
684	FALSE	53.11
685	FALSE	51.61
694	FALSE	30.81
1001	FALSE	13.86
1012	FALSE	9.92
1013	FALSE	10.24
1015	FALSE	11.62
1016	FALSE	12.4
1021	FALSE	34.7
1023	FALSE	34.89
1025	TRUE	39.8
1026	FALSE	40.93
1028	TRUE	42.34
1031	TRUE	43.02
1038	TRUE	37.63
1040	TRUE	38.83
1041	FALSE	31.68
1044	FALSE	32.02
1045	FALSE	39.28
1049	TRUE	40.81
1051	TRUE	47.48
1052	TRUE	49.91
1054	FALSE	45.06
1055	FALSE	35.49
1057	FALSE	23.95
1058	FALSE	22.94
1060	FALSE	21.85
1061	FALSE	20.27
1063	FALSE	17.27
1064	FALSE	29.25
1066	FALSE	33.4
1067	FALSE	32.87
1070	FALSE	32.51
1071	TRUE	55.58
1073	TRUE	59.23
1078	TRUE	52
1080	FALSE	48.45
1081	TRUE	51.92
1084	TRUE	54.31
1089	TRUE	54.66
1093	TRUE	54.77
1094	FALSE	52.67
1096	FALSE	52.22
1097	TRUE	56.67
1100	TRUE	40.99
1103	TRUE	44.36
1104	TRUE	41.46
1106	TRUE	46.42
1109	TRUE	53.17
1111	TRUE	55.36
1115	TRUE	55.73
1116	TRUE	67.46
1118	TRUE	78.43
1125	TRUE	84.99
1128	TRUE	83.88
1129	TRUE	82.65
1132	TRUE	82.64
1139	TRUE	69.94
1140	TRUE	70.16
1142	TRUE	69.51
1146	TRUE	61.98
1147	TRUE	94.57
1148	TRUE	95.14
1149	TRUE	101.31
1152	TRUE	98.42
1153	TRUE	97.91
1154	TRUE	93.6
1156	TRUE	90.32
1157	TRUE	88.35
1161	TRUE	87.5
1162	TRUE	82.41
1163	TRUE	89.11
1164	TRUE	94.64
1167	TRUE	60.21
1168	TRUE	64.48
1171	TRUE	67.47
1172	TRUE	69.67
1175	TRUE	70.52
1176	TRUE	70.9
1178	TRUE	70.92
1181	TRUE	90.98
1183	TRUE	91.31
1185	TRUE	85.89

Existing Fire Flow Continued

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
1186	TRUE	86.43
1187	TRUE	82.29
1188	TRUE	80.06
1190	FALSE	76.83
1193	TRUE	74.47
1194	TRUE	74.24
1196	TRUE	64.63
1207	TRUE	49.28
1208	TRUE	49.29
1210	TRUE	44.09
1214	FALSE	41.78
1217	FALSE	38.24
1218	TRUE	50.33
1222	TRUE	49.5
1228	TRUE	49.02
1229	TRUE	48.4
1235	TRUE	70.48
1237	TRUE	60.99
1239	TRUE	56.02
1245	TRUE	47.98
1246	TRUE	43.06
1247	TRUE	46.95
1249	FALSE	14.19
1250	TRUE	41.58
1253	TRUE	45.09
1263	TRUE	54.77
1264	TRUE	53.72
1266	TRUE	59.83
1268	TRUE	59.26
1269	TRUE	68.39
1270	TRUE	68.2
1272	TRUE	72.73
1275	TRUE	61.15
1278	TRUE	69.87
1280	TRUE	76.78
1281	TRUE	77.53
1286	TRUE	82.39
1293	TRUE	82.62
1294	TRUE	85.21
1297	TRUE	50.71
1299	TRUE	53.23
1300	TRUE	55.85
1302	TRUE	58
1304	TRUE	59.38
1309	TRUE	59.53
1311	TRUE	59.24
1312	TRUE	58.29
1317	TRUE	57.48
1319	TRUE	55.75
1320	TRUE	54.21
1321	TRUE	53.68
1322	TRUE	52.75
1323	FALSE	48.91
1326	FALSE	45.06
1327	FALSE	42.15
1328	FALSE	41.98
1329	FALSE	41.49
1330	FALSE	42.78
1332	FALSE	42.81
1333	FALSE	41.93
1334	FALSE	41.93
1336	FALSE	41.14
1339	FALSE	39.14
1341	FALSE	42.48
1343	FALSE	41.77
1345	FALSE	42.2
1346	FALSE	42.5
1347	FALSE	41.9
1349	FALSE	42.26
1351	FALSE	42.47
1352	FALSE	41.82
1355	FALSE	41.68
1357	FALSE	41.21
1359	FALSE	41.07
1361	FALSE	41.52
1363	FALSE	41.02
1366	FALSE	40.68
1368	FALSE	40.06
1369	FALSE	40.07
1371	FALSE	42.23
1373	FALSE	39.42
1378	FALSE	36.63
1379	FALSE	36.64
1381	FALSE	35.45
1382	FALSE	36.18
1384	FALSE	36.71
1386	FALSE	37.27
1389	FALSE	38.37
1390	FALSE	37.54
1394	FALSE	38.44
1396	FALSE	37.74
1399	FALSE	37.98
1401	FALSE	38.43
1403	FALSE	36.73
1405	FALSE	36.45
1407	FALSE	37.79
1409	FALSE	38.14
1413	FALSE	36.91
1414	FALSE	35.83
1416	FALSE	34.63
1418	FALSE	34.72
1419	FALSE	35.05
1421	FALSE	34.64
1424	FALSE	33.35
1425	FALSE	33.29
1433	FALSE	32.4
1434	FALSE	33.25
1436	FALSE	34.08

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
1437	FALSE	34.25
1438	FALSE	34.06
1440	FALSE	34.23
1442	FALSE	33.58
1443	FALSE	33.28
1446	FALSE	33.34
1447	FALSE	32.99
1450	FALSE	32.62
1451	FALSE	32.73
1452	FALSE	34.11
1459	FALSE	32.34
1464	FALSE	30.96
1467	FALSE	31.71
1470	FALSE	33.47
1471	FALSE	32.88
1474	FALSE	31.58
1476	FALSE	30.85
1480	FALSE	30.51
1485	FALSE	29.86
1487	FALSE	28.99
1489	FALSE	28.52
1490	FALSE	33.35
1493	FALSE	32.5
1494	FALSE	31.89
1497	FALSE	31.37
1498	FALSE	30.71
1500	FALSE	30.01
1504	FALSE	30.83
1507	TRUE	55.06
1509	TRUE	56.21
1512	TRUE	56.24
1516	TRUE	55.89
1518	TRUE	53.24
1521	TRUE	52.83
1522	TRUE	54.36
1524	TRUE	55.11
1526	TRUE	55.39
1529	TRUE	55.18
1530	TRUE	54.95
1532	TRUE	54.97
1534	TRUE	54.65
1536	TRUE	53.29
1539	TRUE	55.29
1541	TRUE	55.33
1543	TRUE	55.06
1548	TRUE	56.69
1562	TRUE	56.92
1576	TRUE	53.88
1581	TRUE	56.2
1582	TRUE	54.37
1585	TRUE	55.34
1586	TRUE	56.69
1588	TRUE	57.52
1590	TRUE	58.28
1592	TRUE	58.97
1593	TRUE	59.41
1594	TRUE	58.26
1596	TRUE	57.64
1598	TRUE	56.89
1599	TRUE	54.82
1602	TRUE	53.86
1604	FALSE	53.07
1606	TRUE	53.13
1607	TRUE	54.08
1609	TRUE	54.31
1610	TRUE	54.72
1613	TRUE	56.29
1615	TRUE	57.13
1617	TRUE	57.76
1619	TRUE	59.08
1620	TRUE	57.68
1621	TRUE	56.64
1622	TRUE	56.04
1625	TRUE	55.98
1626	TRUE	54.52
1627	TRUE	53.83
1628	TRUE	53.73
1630	TRUE	52.54
1632	TRUE	52.89
1634	FALSE	52.13
1635	TRUE	53.82
1636	TRUE	53.71
1637	TRUE	53.93
1638	TRUE	54.53
1639	TRUE	54.92
1640	TRUE	54.91
1641	TRUE	55.21
1642	TRUE	54.78
1643	TRUE	54.99
1644	TRUE	55.98
1645	TRUE	52.98
1647	TRUE	52.8
1648	TRUE	52.35
1649	TRUE	52.33
1650	TRUE	53.22
1651	TRUE	51.97
1652	TRUE	52.66
1653	TRUE	53.12
1654	TRUE	52.96
1655	TRUE	52.99
1656	TRUE	52.85
1658	TRUE	72.93
1659	TRUE	73.05
1660	TRUE	74.48
1662	TRUE	74.26
1664	TRUE	62.86
1666	TRUE	68.59
1668	TRUE	71.91

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
1670	TRUE	71.62
1673	FALSE	70.04
1674	TRUE	67.57
1676	TRUE	69.06
1677	TRUE	68.47
1678	TRUE	68.16
1679	TRUE	67.79
1680	TRUE	66.98
1681	TRUE	68.13
1683	TRUE	69.37
1684	TRUE	68.7
1685	TRUE	71.24
1687	TRUE	74.39
1688	TRUE	79.49
1690	TRUE	75.94
1691	TRUE	73.54
1693	TRUE	73.02
1694	TRUE	71.14
1695	TRUE	72.31
1696	TRUE	72.58
1697	TRUE	72.95
1698	TRUE	72.91
1704	TRUE	62.18
1705	TRUE	61.38
1710	TRUE	62.73
1714	TRUE	59.06
1715	TRUE	54.47
1716	TRUE	54.83
1717	TRUE	54.49
1718	TRUE	52.99
1719	TRUE	54.14
1720	TRUE	61.05
1722	TRUE	63.04
1723	TRUE	67.72
1724	TRUE	70.27
1726	FALSE	39.39
1727	FALSE	43.28
1728	FALSE	43.03
1729	TRUE	44.96
1732	TRUE	45.9
1733	TRUE	45.87
1734	TRUE	46.73
1735	TRUE	48.21
1736	FALSE	38.97
1743	TRUE	38.21
1753	TRUE	54.58
1754	TRUE	54.23
1755	TRUE	54.41
1756	FALSE	52.88
1757	FALSE	52.6
1758	FALSE	52.8
1759	FALSE	52.49
1761	FALSE	52.26
1763	FALSE	54.32
1764	FALSE	54.63
1765	FALSE	54.31
1767	FALSE	56.14
1768	FALSE	55.93
1771	FALSE	54.35
1772	FALSE	52.8
1775	FALSE	53.27
1776	FALSE	51.76
1777	FALSE	51.39
1778	FALSE	51.92
1779	FALSE	51.18
1781	FALSE	54
1782	FALSE	54.14
1784	FALSE	55.13
1785	FALSE	55.15
1786	FALSE	44.43
1787	FALSE	42.65
1788	FALSE	39.58
1789	FALSE	41.42
1791	FALSE	40.26
1797	FALSE	34.85
1798	FALSE	29.67
1799	FALSE	28.92
1800	FALSE	30.15
1802	FALSE	32.63
1805	FALSE	36.23
1806	FALSE	39.52
1809	FALSE	41.07
1811	FALSE	41.8
1812	FALSE	40.44
1815	FALSE	37.21
1816	FALSE	34.3
1819	FALSE	31.79
1820	FALSE	31.88
1835	FALSE	40.77
1887	FALSE	41.49
1888	FALSE	40.85
1889	FALSE	40.06
1892	FALSE	38.52
1894	FALSE	38.1
1896	FALSE	37.55
1900	FALSE	38.5
1903	FALSE	38.42
1904	FALSE	38.46
1906	FALSE	38.01
1908	FALSE	40.05
1909	FALSE	40.82
1910	FALSE	42.15
1911	FALSE	42.98
1912	FALSE	42.96
1914	FALSE	43.46
1916	FALSE	43.74
1917	FALSE	43.94
1918	FALSE	44.65

Existing Fire Flow Continued

Label	Satisfies Fire	
	Flow Constraints?	Pressure (psi)
1919	FALSE	44.5
1921	FALSE	44.89
1923	FALSE	45.66
1924	FALSE	46.1
1925	FALSE	45.9
1926	FALSE	45.22
1927	FALSE	40.43
1928	FALSE	39.65
2619	TRUE	40.83
2621	TRUE	74.33
2622	TRUE	77.78
2626	TRUE	86.58
2629	TRUE	99.22
2630	FALSE	75.13
2633	FALSE	75.68
2634	FALSE	115.97
3470	FALSE	46.06
3620	FALSE	47.54
6590	TRUE	63.77
6610	TRUE	55.04
6640	TRUE	31.51

Alternative #1 Peak Day

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
3	5,551.20	868.4	30.36
5	5,556.50	75.51	37.57
6	5,568.50	75.51	32.38
7	5,577.00	0	28.7
8	5,547.80	7.55	47.01
10	5,547.50	11.33	54.84
11	5,559.00	1.89	53.71
12	5,566.00	0	52.7
15	5,597.90	75.51	49.46
17	5,646.85	0	52.78
21	5,675.00	1.89	55.43
24	5,714.80	0	37.95
26	5,717.20	9.44	36.85
30	5,742.80	3.78	25.77
32	5,744.70	0	24.95
36	5,739.90	1.89	27.06
38	5,725.75	3.78	33.2
40	5,694.80	5.66	64.67
41	5,699.80	0	68.91
42	5,701.80	0	70.49
43	5,706.90	5.66	69.23
44	5,710.00	3.78	68.75
46	5,715.75	7.55	68.69
47	5,733.00	3.78	64.26
49	5,723.90	0	72.43
51	5,720.85	0	79.88
54	5,709.00	0	73.72
61	5,603.00	0	57.3
102	5,542.50	11.33	64.41
103	5,543.80	11.33	68.69
104	5,547.80	11.33	74.88
105	5,548.60	5.66	75.16
109	5,635.50	3.78	43.25
118	5,547.30	5.66	75.29
123	5,682.75	7.55	56.05
128	5,673.40	9.44	52.75
142	5,635.90	5.66	39.72
143	5,635.00	3.78	40.11
144	5,621.90	5.66	45.64
146	5,567.50	13.21	68.55
147	5,579.00	0	64.27
148	5,579.50	5.66	64.13
149	5,581.90	7.55	63.54
150	5,587.10	3.78	60.85
151	5,616.70	9.44	47.67
152	5,623.30	0	45.91
156	5,675.80	0	88.07
158	5,677.00	0	87.55
159	5,690.50	0	81.71
160	5,687.00	0	83.23
161	5,693.70	26.43	80.33
164	5,539.00	0	72.43
165	5,528.20	7.55	76.88
167	5,517.90	9.44	81.07
169	5,511.50	7.55	83.71
175	5,517.00	0	84.08
176	5,527.00	9.44	82.32
179	5,552.10	0	73.3
186	5,624.20	3.78	46.05
187	5,627.00	0	46.02
192	5,595.00	3.78	59.33
193	5,627.00	7.55	47.96
194	5,626.10	0	47.78
196	5,565.80	3.78	69.09
199	5,570.10	5.66	69.16
200	5,573.20	5.66	68.02
201	5,581.10	3.78	64.79
202	5,515.60	0	84.68
205	5,529.50	0	81.22
209	5,482.00	672.13	61.13
210	5,480.00	5.66	62.34
211	5,481.50	5.66	62.3
213	5,483.00	7.55	62.27
222	5,490.50	96.28	62.12
239	5,491.00	0	61.2
260	5,496.00	0	57.01
277	5,503.00	77.4	57.33
282	5,519.50	0	57.79
283	5,520.00	0	57.54
285	5,520.50	0	57.28
286	5,520.00	7.55	57.17
287	5,521.10	0	57.11
289	5,521.80	0	56.94
290	5,522.50	0	56.71
291	5,523.00	0	56.56
292	5,523.00	0	56.65
293	5,522.80	0	56.67
294	5,521.90	0	57.01
299	5,525.00	0	56.5
300	5,525.80	0	56.31
303	5,527.00	0	56.36
304	5,527.80	0	56.31
308	5,531.00	0	56.06
309	5,530.00	7.55	55.95
313	5,537.00	9.44	54.21
314	5,537.80	109.49	53.84
325	5,530.00	15.1	58.33
326	5,536.50	9.44	55.75
327	5,539.54	7.55	54.35
328	5,543.20	3.78	52.65
329	5,541.50	7.55	53.29
330	5,538.50	0	54.5
331	5,533.20	9.44	56.66
332	5,529.00	7.55	58.34
333	5,527.90	7.55	58.64
334	5,525.80	18.88	58.33
335	5,525.80	9.44	57.77
336	5,530.50	7.55	55.58
337	5,526.10	11.33	57.21
338	5,522.80	7.55	58.22

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
339	5,521.00	7.55	58.82
340	5,520.70	0	58.92
341	5,518.20	7.55	59.6
342	5,519.00	5.66	59.29
343	5,519.60	7.55	59.06
344	5,519.20	16.99	59.05
345	5,521.90	13.21	58.56
346	5,525.50	13.21	57.81
348	5,516.80	7.55	59.44
349	5,516.40	7.55	59.23
350	5,516.20	9.44	59.3
351	5,511.90	16.99	60.66
352	5,510.50	16.99	60.97
353	5,506.20	16.99	61.94
354	5,506.20	5.66	61.93
355	5,505.80	3.78	61.92
356	5,505.70	5.66	61.28
357	5,504.90	16.99	61.91
358	5,507.50	15.1	61.72
359	5,510.90	16.99	61.07
360	5,513.20	13.21	60.69
361	5,518.00	11.33	59.62
363	5,512.90	11.33	60.37
364	5,510.00	16.99	61.2
365	5,508.20	15.1	61.4
366	5,507.00	3.78	61.74
379	5,574.10	56.63	65.27
383	5,548.10	0	76.68
385	5,538.80	0	80.7
387	5,541.80	0	79.4
390	5,550.50	0	75.64
392	5,496.20	3.78	62.51
396	5,499.00	98.17	61.3
399	5,505.80	3.78	58.36
400	5,504.20	5.66	59.08
403	5,507.00	7.55	57.9
404	5,506.20	7.55	58.27
405	5,504.10	7.55	59.18
408	5,502.80	7.55	59.76
409	5,501.00	7.55	60.53
410	5,500.50	7.55	60.74
411	5,500.25	0	60.85
412	5,500.80	0	60.6
415	5,501.10	7.55	60.43
417	5,503.10	5.66	59.56
418	5,502.90	5.66	59.65
419	5,499.50	7.55	61.2
420	5,498.20	7.55	61.83
421	5,496.20	7.55	62.63
422	5,494.60	3.78	63.25
425	5,496.20	5.66	62.54
426	5,497.20	3.78	62.1
427	5,494.20	3.78	63.4
428	5,494.80	7.55	63.13
429	5,495.00	7.55	63.04
440	5,490.50	83.06	68.96
497	5,525.90	3.78	59.01
502	5,539.50	0	77.35
510	5,539.00	0	78.16
517	5,555.00	3.78	72.44
530	5,567.00	9.44	73.06
531	5,574.00	52.86	71.35
532	5,565.50	22.65	69.73
533	5,574.10	11.33	66.02
534	5,575.90	7.55	65.25
536	5,576.20	7.55	65.12
537	5,575.00	11.33	65.65
538	5,576.30	11.33	65.13
539	5,573.70	7.55	66.28
541	5,576.00	0	66.62
546	5,595.00	3.78	58.88
550	5,589.50	7.55	61.3
553	5,551.00	7.55	80.48
555	5,576.10	22.65	71.06
559	5,616.50	0	51.44
562	5,622.50	3.78	50.54
568	5,600.50	3.78	57.15
569	5,594.80	0	59.54
570	5,591.70	0	60.6
572	5,649.50	0	41.49
575	5,606.00	757.02	54.47
579	5,674.10	0	31.76
580	5,701.70	0	20.73
583	5,761.00	0	94.75
584	5,910.00	0	30.29
585	5,492.20	0	65.86
586	5,492.20	3.78	65.79
587	5,493.00	9.44	65.39
588	5,495.00	9.44	64.46
589	5,496.10	9.44	63.93
594	5,572.22	5.66	66.74
605	5,498.60	0	63.24
606	5,496.50	0	63.07
607	5,495.80	0	64.31
608	5,493.90	0	65.09
609	5,494.10	0	65
610	5,496.00	0	64.13
611	5,499.90	0	62.4
612	5,499.90	0	62.37
613	5,502.20	92.5	61.34
614	5,495.90	0	64.27
615	5,498.00	0	63.35
616	5,497.50	0	63.56
617	5,501.00	0	62.01
618	5,503.50	92.5	60.9
657	5,481.00	0	65.43
658	5,618.00	0	47.15
659	5,692.80	0	111.53
660	5,591.00	79.29	55.54
661	5,755.00	0	84.62

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
662	5,602.00	0	51.97
663	5,620.00	0	56.49
664	5,601.00	0	50.9
665	5,711.00	0	103.65
666	5,809.00	0	65.5
667	5,752.00	0	86.46
668	5,888.00	0	36.09
669	5,733.00	0	106.87
670	5,733.00	0	79.56
671	5,733.00	0	92.02
672	5,733.00	0	79.56
673	5,733.00	0	79.56
674	5,733.00	0	79.56
675	5,733.00	0	79.39
676	5,708.00	0	88.49
678	5,534.00	0	79.96
679	5,547.50	0	55.4
680	5,501.00	0	82.15
681	5,499.50	15.1	81.82
682	5,742.76	0	102.64
683	5,490.00	0	60.84
684	5,501.00	113.27	60.44
685	5,505.00	113.27	59.22
688	5,478.00	672.13	63.34
689	5,467.00	526.7	62.95
690	5,468.00	0	62.57
691	5,468.00	0	62.62
692	5,467.00	526.7	63.09
693	5,473.00	541.81	61.09
694	5,496.00	541.81	52.97
695	5,468.00	205.54	63.05
696	5,451.00	672.13	69.44
697	5,450.00	0	69.92
698	5,450.00	672.13	70.46
699	5,455.00	672.13	67.81
700	5,468.00	541.81	63.07
701	5,457.00	672.13	66.98
702	5,455.00	725.06	67.63
703	5,471.00	725.06	60.97
1001	5,715.02	0	15.88
1012	5,730.81	0	10
1013	5,728.89	0	10.66
1015	5,722.46	0	12.98
1016	5,719.76	0	14.02
1021	5,646.25	0	42.01
1023	5,645.30	5.66	43.16
1025	5,630.94	0	48.85
1026	5,628.31	0	48.4
1028	5,623.80	0	51.72
1031	5,619.18	0	53.19
1038	5,723.95	0	78.85
1040	5,720.12	0	79.91
1041	5,735.01	0	69.4
1044	5,732.26	3.78	65.76
1045	5,713.52	0	69.05

Alternative #1 Peak Day Continued

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1168	5,497.65	0	71.9
1171	5,490.74	0	74.07
1172	5,485.66	0	75.45
1175	5,483.67	0	75.49
1176	5,482.81	0	75.04
1178	5,482.76	0	74.81
1181	5,517.96	3.78	83.71
1183	5,517.32	5.66	84.03
1185	5,529.22	11.33	79.07
1186	5,528.96	9.44	81.65
1187	5,540.30	9.44	77.67
1188	5,545.44	11.33	75.45
1190	5,552.91	9.44	72.21
1193	5,559.89	9.44	71.1
1194	5,560.32	7.55	71.05
1196	5,585.51	9.44	61.94
1207	5,623.34	7.55	45.16
1208	5,623.23	3.78	45.25
1210	5,635.34	11.33	39.97
1214	5,640.67	7.55	37.66
1217	5,648.85	9.44	34.12
1218	5,620.16	11.33	46.74
1222	5,622.27	0	45.81
1228	5,622.78	0	46.07
1229	5,624.15	11.33	45.54
1235	5,642.50	15.1	102.47
1237	5,664.45	11.33	92.98
1239	5,675.92	0	88.02
1245	5,694.52	0	79.98
1246	5,705.88	0	75.07
1247	5,693.31	0	71.72
1249	5,710.49	26.43	17.31
1250	5,636.98	26.43	44.52
1253	5,627.55	16.99	47.99
1263	5,602.42	7.55	57.42
1264	5,604.33	13.21	56.72
1266	5,594.70	7.55	59.43
1268	5,593.62	11.33	59.88
1269	5,572.18	5.66	68.17
1270	5,572.59	5.66	68.05
1272	5,563.16	9.44	70.65
1275	5,585.35	7.55	63.07
1278	5,562.75	9.44	70.93
1280	5,545.49	0	76.51
1281	5,543.70	7.55	77.06
1286	5,535.54	7.55	79.44
1293	5,531.00	11.33	80.95
1294	5,527.48	13.21	81.3
1297	5,526.00	0	80.26
1299	5,519.33	16.99	62.41
1300	5,511.20	16.99	64.83
1302	5,503.49	16.99	67.06
1304	5,497.32	16.99	68.72
1309	5,493.87	7.55	69.23
1311	5,491.63	7.55	69.29
1312	5,490.86	5.66	68.75
1317	5,489.14	7.55	68.39
1319	5,489.12	3.78	67.38
1320	5,488.87	43.42	66.75
1321	5,488.56	7.55	66.58
1322	5,489.42	0	66.03
1323	5,489.60	3.78	64.7
1326	5,489.66	11.33	63.41
1327	5,489.65	0	62.39
1328	5,490.12	0	62.22
1329	5,490.18	96.28	62.09
1330	5,486.58	0	63.11
1332	5,486.45	0	63.14
1333	5,486.10	5.66	62.4
1334	5,485.34	3.78	62.44
1336	5,487.02	7.55	61.6
1339	5,490.89	7.55	59.5
1341	5,483.18	15.1	62.84
1343	5,483.86	5.66	62.19
1345	5,482.08	9.44	62.67
1346	5,481.40	9.44	62.97
1347	5,481.25	0	62.47
1349	5,480.23	7.55	62.85
1351	5,479.74	11.33	63.06
1352	5,479.56	7.55	64.39
1355	5,485.16	7.55	62.05
1357	5,486.41	7.55	61.59
1359	5,486.72	5.66	61.45
1361	5,485.70	7.55	61.9
1363	5,486.99	5.66	61.42
1366	5,487.90	7.55	61.11
1368	5,489.33	5.66	60.49
1369	5,489.31	5.66	60.5
1371	5,487.85	7.55	62.56
1373	5,490.39	100.05	61.38
1378	5,490.91	16.99	60.4
1379	5,490.73	0	60.45
1381	5,491.97	3.78	59.44
1382	5,489.94	7.55	60.11
1384	5,488.54	3.78	60.61
1386	5,487.14	0	61.16
1389	5,484.38	0	62.22
1390	5,486.29	0	61.39
1394	5,484.22	101.94	62.28
1396	5,485.63	0	61.62
1399	5,485.06	0	61.87
1401	5,484.03	101.94	62.3
1403	5,487.97	0	60.61
1405	5,488.61	0	60.33
1407	5,485.39	0	61.72
1409	5,484.57	101.94	62.06
1413	5,487.34	0	60.88
1414	5,489.69	0	59.88
1416	5,492.39	0	58.72
1418	5,492.31	0	58.81

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1419	5,491.67	11.33	59.14
1421	5,492.39	15.1	58.77
1424	5,494.90	15.1	57.58
1425	5,494.83	3.78	57.57
1433	5,496.64	5.66	56.74
1434	5,494.66	11.33	57.57
1436	5,492.75	11.33	58.38
1437	5,492.37	0	58.54
1438	5,492.93	3.78	58.3
1440	5,492.77	3.78	58.38
1442	5,494.00	0	57.71
1443	5,494.47	5.66	57.4
1446	5,493.75	7.55	57.43
1447	5,494.64	0	57.22
1450	5,495.57	11.33	57.01
1451	5,495.59	11.33	57.13
1452	5,492.39	11.33	58.49
1459	5,496.48	7.55	56.8
1464	5,499.38	7.55	55.57
1467	5,497.66	11.33	56.21
1470	5,492.71	11.33	57.52
1471	5,494.19	15.1	57.14
1474	5,497.40	11.33	56.31
1476	5,499.21	7.55	55.84
1480	5,499.91	77.4	56.26
1485	5,501.35	77.4	56.9
1487	5,503.34	77.4	57.67
1489	5,504.41	77.4	58.12
1490	5,492.46	541.81	57.35
1493	5,493.53	541.81	55.33
1494	5,494.32	541.81	54.09
1497	5,495.09	541.81	53.36
1498	5,496.36	541.81	52.73
1500	5,497.86	541.81	52.08
1504	5,495.95	0	52.99
1507	5,488.97	7.55	66.73
1509	5,492.61	0	65.78
1512	5,491.51	5.66	66.15
1516	5,493.53	7.55	65.79
1518	5,498.29	15.1	63.61
1521	5,497.13	9.44	63.98
1522	5,496.86	9.44	65.03
1524	5,495.92	15.1	65.41
1526	5,495.79	0	65.46
1529	5,498.15	11.33	65.42
1530	5,498.84	15.1	64.92
1532	5,498.93	9.44	64.77
1534	5,499.62	0	64.05
1536	5,502.69	0	62.26
1539	5,498.01	86.84	64
1541	5,497.94	0	64.07
1543	5,497.87	0	63.66
1548	5,494.02	0	65.28
1562	5,493.17	0	65.44
1576	5,499.93	0	62.39
1581	5,498.57	94.39	64.9
1582	5,502.83	9.44	63.14
1585	5,500.59	15.1	64.22
1586	5,497.51	13.21	65.96
1588	5,495.61	7.55	66.98
1590	5,493.85	9.44	67.89
1592	5,492.26	9.44	68.81
1593	5,494.14	15.1	68.89
1594	5,496.78	9.44	67.53
1596	5,498.23	9.44	66.75
1598	5,499.94	13.21	65.86
1599	5,504.69	15.1	63.5
1602	5,506.89	9.44	62.45
1604	5,508.69	94.39	61.59
1606	5,511.78	94.39	61.37
1607	5,509.62	3.78	62.39
1609	5,509.09	3.78	62.62
1610	5,508.13	13.21	63.1
1613	5,504.52	13.21	64.93
1615	5,502.59	13.21	65.9
1617	5,501.12	11.33	66.62
1619	5,498.02	13.21	68.28
1620	5,504.33	11.33	66.58
1621	5,507.07	11.33	65.13
1622	5,508.58	11.33	64.39
1625	5,508.71	13.21	64.21
1626	5,512.10	13.21	62.5
1627	5,513.69	7.55	61.75
1628	5,513.93	3.78	61.64
1630	5,516.65	94.39	60.38
1632	5,520.17	7.55	60.08
1634	5,521.94	86.84	59.29
1635	5,517.60	0	61.14
1636	5,518.30	3.78	60.97
1637	5,517.79	7.55	61.19
1638	5,516.36	11.33	61.87
1639	5,515.35	11.33	62.52
1640	5,515.31	5.66	62.66
1641	5,514.65	0	62.94
1642	5,515.64	7.55	62.49
1643	5,514.73	11.33	62.97
1644	5,511.30	13.21	64.68
1645	5,521.91	7.55	61.19
1647	5,524.35	7.55	60.05
1648	5,526.43	7.55	59.12
1649	5,526.58	7.55	59.03
1650	5,524.47	0	59.96
1651	5,527.81	11.33	58.42
1652	5,526.51	11.33	58.81
1653	5,525.63	7.55	59.14
1654	5,526.02	0	58.97
1655	5,525.29	0	59.14
1656	5,526.24	94.39	58.79
1658	5,538.65	7.55	78.12
1659	5,538.78	11.33	78.33

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1660	5,536.09	7.55	79.9
1662	5,536.72	86.84	79.7
1664	5,564.02	16.99	73.59
1666	5,550.77	24.54	76.73
1668	5,543.22	3.78	77.84
1670	5,543.77	24.54	77.65
1673	5,548.16	5.66	75.5
1674	5,553.86	94.39	72.98
1676	5,551.07	5.66	74.23
1677	5,553.08	0	73.35
1678	5,553.67	5.66	73.1
1679	5,554.70	7.55	72.64
1680	5,557.10	11.33	71.58
1681	5,556.10	11.33	71.97
1683	5,553.92	0	72.91
1684	5,555.33	7.55	72.3
1685	5,552.33	5.66	73.57
1687	5,548.20	7.55	75.35
1688	5,534.01	15.1	79.66
1690	5,537.76	7.55	78.07
1691	5,539.24	3.78	77.46
1693	5,539.92	7.55	77.18
1694	5,546.89	0	74.99
1695	5,541.23	11.33	76.66
1696	5,539.66	11.33	77.54
1697	5,538.50	0	78.13
1698	5,538.62	7.55	78.07
1704	5,572.22	0	66.92
1705	5,574.12	5.66	66.19
1710	5,573.21	0	66.41
1714	5,588.86	9.44	61.55
1715	5,596.33	9.44	58.31
1716	5,594.61	7.55	59.05
1717	5,594.99	9.44	58.89
1718	5,597.59	11.33	57.77
1719	5,593.18	11.33	59.7
1720	5,576.04	3.78	67.15
1722	5,571.16	9.44	69.57
1723	5,559.63	9.44	75.45
1724	5,552.64	83.03	63.61
1726	5,629.27	3.78	45.46
1727	5,619.24	3.78	49.34
1728	5,621.30	7.55	49.1
1729	5,618.87	11.33	51.1
1732	5,617.42		

Alternative #1 Peak Day Continued

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1916	5,525.90	7.55	56.54
1917	5,525.19	11.33	56.35
1918	5,523.31	0	56.6
1919	5,523.65	11.33	56.44
1921	5,522.40	9.44	56.65
1923	5,520.37	9.44	57.35
1924	5,519.21	11.33	57.96
1925	5,519.54	54.75	57.93
1926	5,521.96	7.55	56.97
1927	5,548.93	1,075.12	76.35
1928	5,572.71	707.93	67.77
2619	5,885.63	0	40.83
2621	5,808.21	0	74.33
2622	5,763.08	0	81.12
2626	5,742.76	0	89.92
2629	5,713.54	0	102.56
2630	5,762.27	0	81.47
2633	5,767.94	0	79.02
2634	5,674.83	0	119.31
3470	5,519.00	11.33	59.08
3620	5,515.00	11.33	59.91
6590	5,595.50	79.29	53.5
6610	5,614.00	79.29	46.43
6640	5,898.00	0	32.33

Alternative #1 Peak Instantaneous

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
3	5,551.20	1,609.02	28.33
5	5,556.50	139.91	34.03
6	5,568.50	139.91	28.83
7	5,577.00	0	25.16
8	5,547.80	13.99	42.89
10	5,547.50	20.99	49.93
11	5,559.00	3.5	48.39
12	5,566.00	0	47.17
15	5,597.90	139.91	43.08
17	5,646.85	0	41.86
21	5,675.00	3.5	44.92
24	5,714.80	0	26.89
26	5,717.20	17.49	25.67
30	5,742.80	7	14.32
32	5,744.70	0	13.75
36	5,739.90	3.5	15.94
38	5,725.75	7	22.12
40	5,694.80	10.49	57.55
41	5,699.80	0	63.18
42	5,701.80	0	65.29
43	5,706.90	10.49	64.22
44	5,710.00	7	63.92
46	5,715.75	13.99	64.38
47	5,733.00	7	60.64
49	5,723.90	0	69.8
51	5,720.85	0	78.71
54	5,709.00	0	69.91
61	5,603.00	0	52.05
102	5,542.50	20.99	58.94
103	5,543.80	20.99	62.9
104	5,547.80	20.99	68.69
105	5,548.60	10.49	68.94
109	5,635.50	7	39.06
118	5,547.30	10.49	68.97
123	5,682.75	13.99	45.96
128	5,673.40	17.49	38.12
142	5,635.90	10.49	33.82
143	5,635.00	7	34.21
144	5,621.90	10.49	39.76
146	5,567.50	24.49	62.52
147	5,579.00	0	58.31
148	5,579.50	10.49	58.18
149	5,581.90	13.99	57.64
150	5,587.10	7	54.9
151	5,616.70	17.49	41.81
152	5,623.30	0	40.18
156	5,675.80	0	84.22
158	5,677.00	0	83.7
159	5,690.50	0	77.87
160	5,687.00	0	79.38
161	5,693.70	48.97	76.48
164	5,539.00	0	62.75
165	5,528.20	13.99	66.97
167	5,517.90	17.49	70.93
169	5,511.50	13.99	73.44
175	5,517.00	0	73.65
176	5,527.00	17.49	72.7
179	5,552.10	0	65.5
186	5,624.20	7	40.48
187	5,627.00	0	40.85
192	5,595.00	7	53.72
193	5,627.00	13.99	43.42
194	5,626.10	0	43.06
196	5,565.50	7	62.42
199	5,570.10	10.49	62.56
200	5,573.20	10.49	61.35
201	5,581.10	7	58.05
202	5,515.60	0	74.25
205	5,529.50	0	70.12
209	5,482.00	1,086.75	53.09
210	5,480.00	10.49	54.18
211	5,481.50	10.49	54
213	5,483.00	13.99	53.85
222	5,490.50	178.39	53.41
239	5,491.00	0	52.53
260	5,496.00	0	45.89
277	5,503.00	143.41	45.49
282	5,519.50	0	52.27
283	5,520.00	0	52.06
285	5,520.50	0	51.84
286	5,520.00	13.99	51.87
287	5,521.10	0	51.72
289	5,521.80	0	51.63
290	5,522.50	0	51.45
291	5,523.00	0	51.35
292	5,523.00	0	51.5
293	5,522.80	0	51.54
294	5,521.90	0	51.89
299	5,525.00	0	51.56
300	5,525.80	0	51.41
303	5,527.00	0	51.66
304	5,527.80	0	51.72
308	5,531.00	0	51.92
309	5,530.00	13.99	51.63
313	5,537.00	17.49	50.17
314	5,537.80	202.88	49.75
325	5,530.00	27.98	55.51
326	5,536.50	17.49	52.05
327	5,539.54	13.99	50.58
328	5,543.20	7	48.79
329	5,541.50	13.99	49.38
330	5,538.50	0	50.53
331	5,533.20	17.49	52.6
332	5,529.00	13.99	54.2
333	5,527.90	13.99	54.41
334	5,525.80	34.98	53.28
335	5,525.80	17.49	52.28
336	5,530.50	13.99	49.97
337	5,526.10	20.99	51.37
338	5,522.80	13.99	52.1

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
339	5,521.00	13.99	52.59
340	5,520.70	0	52.66
341	5,518.20	13.99	53.11
342	5,519.00	10.49	52.87
343	5,519.60	13.99	52.7
344	5,519.20	31.48	52.72
345	5,521.90	24.49	52.48
346	5,525.50	24.49	52.26
348	5,516.80	13.99	52.51
349	5,516.40	13.99	51.92
350	5,516.20	17.49	51.97
351	5,511.90	31.48	52.89
352	5,510.50	31.48	52.96
353	5,506.20	24.49	53.29
354	5,506.20	10.49	53.27
355	5,505.80	7	53.12
356	5,505.70	10.49	51.97
357	5,504.90	31.48	52.77
358	5,507.50	27.98	53.26
359	5,510.90	31.48	53.25
360	5,513.20	24.49	53.32
361	5,518.00	20.99	53.08
363	5,512.90	20.99	52.79
364	5,510.00	31.48	53.27
365	5,508.20	27.98	53.01
366	5,507.00	7	53.21
379	5,574.10	104.94	53.16
383	5,548.10	0	64.9
385	5,538.80	0	68.92
387	5,541.80	0	67.62
390	5,550.50	0	63.86
392	5,496.20	7	50.3
396	5,499.00	181.89	49.09
399	5,505.80	7	46.18
400	5,504.20	10.49	46.94
403	5,507.00	13.99	45.8
404	5,506.20	13.99	46.22
405	5,504.10	13.99	47.15
408	5,502.80	13.99	47.75
409	5,501.00	13.99	48.51
410	5,500.50	13.99	48.72
411	5,500.25	0	48.83
412	5,500.80	0	48.56
415	5,501.10	13.99	48.3
417	5,503.10	10.49	47.42
418	5,502.90	10.49	47.51
419	5,499.50	13.99	49.24
420	5,498.20	13.99	50
421	5,496.20	13.99	50.67
422	5,494.60	7	51.14
425	5,496.20	10.49	50.38
426	5,497.20	7	49.95
427	5,494.20	7	51.24
428	5,494.80	13.99	50.95
429	5,495.00	13.99	50.86
440	5,490.50	153.91	63.69
497	5,525.90	7	52.59
502	5,539.50	0	65.7
510	5,539.00	0	66.34
517	5,555.00	7	62.26
530	5,567.00	17.49	65.95
531	5,574.00	97.94	65.2
532	5,565.50	41.97	61.27
533	5,574.10	20.99	57.45
534	5,575.90	13.99	56.63
536	5,576.20	13.99	56.5
537	5,575.00	20.99	57.02
538	5,576.30	20.99	56.46
539	5,573.70	13.99	57.59
541	5,576.00	0	58.93
546	5,595.00	7	51.7
550	5,589.50	13.99	54.02
553	5,551.00	13.99	74.25
555	5,576.10	41.97	65.56
559	5,616.50	0	45.71
562	5,622.50	7	45.5
568	5,600.50	7	50.22
569	5,594.80	0	52.56
570	5,591.70	0	53.45
572	5,649.50	0	38.16
575	5,606.00	1,402.65	45.21
579	5,674.10	0	29.31
580	5,701.70	0	19.15
583	5,761.00	0	94.75
584	5,910.00	0	30.29
585	5,492.20	0	57.87
586	5,492.20	7	57.46
587	5,493.00	17.49	56.83
588	5,495.00	17.49	55.56
589	5,496.10	17.49	54.76
594	5,572.22	10.49	57.87
605	5,498.60	0	54.06
606	5,496.50	0	54.82
607	5,495.80	0	54.98
608	5,493.90	0	55.72
609	5,494.10	0	55.62
610	5,496.00	0	54.72
611	5,499.90	0	52.94
612	5,499.90	0	52.84
613	5,502.20	171.4	51.75
614	5,495.90	0	54.93
615	5,498.00	0	54.01
616	5,497.50	0	54.19
617	5,501.00	0	52.57
618	5,503.50	171.4	51.39
657	5,481.00	0	57.17
658	5,618.00	0	41.28
659	5,692.80	0	108.52
660	5,591.00	146.91	49.05
661	5,755.00	0	81.61

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
662	5,602.00	0	45.7
663	5,820.00	0	53.48
664	5,601.00	0	44.41
665	5,711.00	0	100.64
666	5,809.00	0	63.5
667	5,752.00	0	83.58
668	5,888.00	0	35.21
669	5,733.00	0	106.87
670	5,733.00	0	79.56
671	5,733.00	0	88.51
672	5,733.00	0	79.56
673	5,733.00	0	79.56
674	5,733.00	0	79.56
675	5,733.00	0	79.35
676	5,708.00	0	88.04
678	5,534.00	0	70.2
679	5,547.50	0	50.45
680	5,501.00	0	73.17
681	5,499.50	27.98	72.86
682	5,742.76	0	102.64
683	5,490.00	0	51.23
684	5,501.00	209.87	48.25
685	5,505.00	209.87	48.22
688	5,478.00	1,086.75	54.83
689	5,467.00	975.91	58.23
690	5,468.00	0	57.71
691	5,468.00	0	57.61
692	5,467.00	975.91	57.98
693	5,473.00	1,003.89	54.39
694	5,496.00	1,003.89	44.7
695	5,468.00	407.46	57.32
696	5,451.00	1,086.75	63.52
697	5,450.00	0	68.45
698	5,450.00	1,086.75	63.85
699	5,455.00	1,086.75	61.57
700	5,468.00	1,003.89	56.88
701	5,457.00	1,086.75	60.98
702	5,455.00	1,172.33	62.86
703	5,471.00	1,172.33	57.82
1001	5,715.02	0	15.1
1012	5,730.81	0	9.97
1013	5,728.89	0	10.5
1015	5,722.46	0	12.45
1016	5,719.76	0	13.4
1021	5,646.25	0	38.23
1023	5,645.30	10.49	39.68
1025	5,630.94	0	44.87
1026	5,628.31	0	45.1
1028	5,623.80	0	47.51
1031	5,619.18	0	48.44
1038	5,723.95	0	77.76
1040	5,720.12	0	78.68
1041	5,735.01	0	61.24
1044	5,732.26	7	62.41
1			

Alternative #1 Peak Instantaneous Continued

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1168	5,497.65	0	71.17
1171	5,490.74	0	72.73
1172	5,485.66	0	73.49
1175	5,483.67	0	72.91
1176	5,482.81	0	71.84
1178	5,482.76	0	71.43
1181	5,517.96	7	73.27
1183	5,517.32	10.49	73.63
1185	5,529.22	20.99	68.55
1186	5,528.96	17.49	72.2
1187	5,540.30	17.49	69.11
1188	5,545.44	20.99	66.87
1190	5,552.91	17.49	63.63
1193	5,559.89	17.49	63.89
1194	5,560.32	13.99	63.87
1196	5,585.51	17.49	56.04
1207	5,623.34	13.99	39.28
1208	5,623.23	7	39.36
1210	5,635.34	20.99	34.07
1214	5,640.67	13.99	31.75
1217	5,648.85	17.49	28.21
1218	5,620.16	20.99	40.87
1222	5,622.27	0	39.94
1228	5,622.78	0	40.33
1229	5,624.15	20.99	39.81
1235	5,642.50	27.98	98.61
1237	5,664.45	20.99	89.12
1239	5,675.92	0	84.17
1245	5,694.52	0	76.14
1246	5,705.88	0	71.25
1247	5,693.31	0	65.98
1249	5,710.49	48.97	16.1
1250	5,636.98	48.97	40.46
1253	5,627.55	31.48	43.55
1263	5,602.42	13.99	52.14
1264	5,604.33	24.49	51.42
1266	5,594.70	13.99	53.81
1268	5,593.62	20.99	54.22
1269	5,572.18	10.49	61.57
1270	5,572.59	10.49	61.46
1272	5,563.16	17.49	63.66
1275	5,585.35	13.99	56.3
1278	5,562.75	17.49	62.59
1280	5,545.49	0	66.72
1281	5,543.70	13.99	67.09
1286	5,535.54	13.99	69.66
1293	5,531.00	20.99	69.76
1294	5,527.48	24.49	70.39
1297	5,526.00	0	59.99
1299	5,519.33	31.48	61.52
1300	5,511.20	31.48	63.06
1302	5,503.49	31.48	64.44
1304	5,497.32	31.48	65.33
1309	5,493.87	13.99	65.13
1311	5,491.63	13.99	64.57
1312	5,490.86	10.49	63.46
1317	5,489.14	13.99	62.42
1319	5,489.12	7	60.83
1320	5,488.87	80.45	59.82
1321	5,488.56	13.99	59.51
1322	5,489.42	0	58.87
1323	5,489.60	7	56.98
1326	5,489.66	20.99	56.98
1327	5,489.65	0	53.69
1328	5,490.12	0	53.51
1329	5,490.18	178.39	53.27
1330	5,486.58	0	54.44
1332	5,486.45	0	54.47
1333	5,486.10	10.49	53.79
1334	5,485.34	7	53.85
1336	5,487.02	13.99	53.01
1339	5,490.89	13.99	50.97
1341	5,483.18	27.98	54.3
1343	5,483.86	10.49	53.71
1345	5,482.08	17.49	54.24
1346	5,481.40	17.49	54.54
1347	5,481.25	0	54.16
1349	5,480.23	13.99	54.55
1351	5,479.74	20.99	54.76
1352	5,479.56	13.99	56.17
1355	5,485.16	13.99	53.49
1357	5,486.41	13.99	53.01
1359	5,486.72	10.49	52.87
1361	5,485.70	13.99	53.32
1363	5,486.99	10.49	52.83
1366	5,487.90	13.99	52.51
1368	5,489.33	10.49	51.89
1369	5,489.31	10.49	51.9
1371	5,487.85	13.99	53.89
1373	5,490.39	185.39	52.18
1378	5,490.91	31.48	50.74
1379	5,490.73	0	50.77
1381	5,491.97	7	49.25
1382	5,489.94	13.99	49.63
1384	5,488.54	7	50
1386	5,487.14	0	50.47
1389	5,484.38	0	51.34
1390	5,486.29	0	50.51
1394	5,484.22	188.89	51.37
1396	5,485.63	0	50.69
1399	5,485.06	0	50.93
1401	5,484.03	188.89	51.33
1403	5,487.97	0	49.68
1405	5,488.61	0	49.4
1407	5,485.39	0	50.79
1409	5,484.57	188.89	51.1
1413	5,487.34	0	50.01
1414	5,489.69	0	49.08
1416	5,492.39	0	47.98
1418	5,492.31	0	48.13

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1419	5,491.67	20.99	48.52
1421	5,492.39	27.98	48.03
1424	5,494.90	27.98	46.66
1425	5,494.83	7	46.58
1433	5,496.64	10.49	45.66
1434	5,494.66	20.99	46.52
1436	5,492.75	20.99	47.34
1437	5,492.37	0	47.51
1438	5,492.93	7	47.32
1440	5,492.77	7	47.5
1442	5,494.00	0	46.73
1443	5,494.47	10.49	46.36
1446	5,493.75	13.99	46.2
1447	5,494.64	0	46.02
1450	5,495.57	20.99	45.83
1451	5,495.59	20.99	45.99
1452	5,492.39	20.99	47.37
1459	5,496.48	13.99	45.64
1464	5,499.38	13.99	44.36
1467	5,497.66	20.99	45.02
1470	5,492.71	20.99	46.08
1471	5,494.19	27.98	45.71
1474	5,497.40	20.99	44.9
1476	5,499.21	13.99	44.47
1480	5,499.91	143.41	44.63
1485	5,501.35	143.41	45.06
1487	5,503.34	143.41	45.89
1489	5,504.41	143.41	46.6
1490	5,492.46	1,003.89	45.79
1493	5,493.53	1,003.89	45.56
1494	5,494.32	1,003.89	42.64
1497	5,495.09	1,003.89	42.28
1498	5,496.36	1,003.89	42.03
1500	5,497.86	1,003.89	42.66
1504	5,495.95	0	44.72
1507	5,488.97	13.99	59.46
1509	5,492.61	0	58.19
1512	5,491.51	10.49	58.61
1516	5,493.53	13.99	58.86
1518	5,498.29	27.98	56.8
1521	5,497.13	17.49	57.33
1522	5,496.86	17.49	58.87
1524	5,495.92	27.98	59.01
1526	5,495.79	0	58.97
1529	5,498.15	20.99	59.75
1530	5,498.84	27.98	58.87
1532	5,498.93	17.49	58.48
1534	5,499.62	0	58.96
1536	5,502.69	0	54.21
1539	5,498.01	160.9	55.35
1541	5,497.94	0	55.52
1543	5,497.87	0	54.61
1548	5,494.02	0	56.17
1562	5,493.17	0	56.09
1576	5,499.93	0	52.92
1581	5,498.57	174.89	57.32
1582	5,502.83	17.49	55.73
1585	5,500.59	27.98	57.07
1586	5,497.51	24.49	59.66
1588	5,495.61	13.99	61.11
1590	5,493.85	17.49	62.32
1592	5,492.26	17.49	63.68
1593	5,494.14	27.98	64.37
1594	5,496.78	17.49	62.58
1596	5,498.23	17.49	61.49
1598	5,499.94	24.49	60.28
1599	5,504.69	27.98	57.25
1602	5,506.89	17.49	56
1604	5,508.69	174.89	54.96
1606	5,511.78	174.89	55.72
1607	5,509.62	7	56.91
1609	5,509.09	7	57.15
1610	5,508.13	24.49	57.78
1613	5,504.52	24.49	60.16
1615	5,502.59	24.49	61.43
1617	5,501.12	20.99	62.33
1619	5,498.02	24.49	64.62
1620	5,504.33	20.99	63.72
1621	5,507.07	20.99	61.71
1622	5,508.58	20.99	60.63
1625	5,508.71	24.49	60.38
1626	5,512.10	24.49	58.17
1627	5,513.69	13.99	57.28
1628	5,513.93	7	57.17
1630	5,516.65	174.89	55.74
1632	5,520.17	13.99	56.6
1634	5,521.94	160.9	55.76
1635	5,517.60	0	57.71
1636	5,518.30	7	57.66
1637	5,517.79	13.99	57.89
1638	5,516.36	20.99	58.69
1639	5,515.35	20.99	59.78
1640	5,515.31	10.49	60.15
1641	5,514.65	0	60.42
1642	5,515.64	13.99	59.92
1643	5,514.73	20.99	60.57
1644	5,511.30	24.49	62.71
1645	5,521.91	13.99	60.11
1647	5,524.35	13.99	58.81
1648	5,526.43	13.99	57.81
1649	5,526.58	13.99	57.68
1650	5,524.47	0	58.65
1651	5,527.81	20.99	56.94
1652	5,526.51	20.99	56.99
1653	5,525.63	13.99	57.24
1654	5,526.02	0	57.06
1655	5,525.29	0	57.08
1656	5,526.24	174.89	56.71
1658	5,538.65	13.99	66.23
1659	5,538.78	20.99	66.52

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1660	5,536.09	13.99	68.27
1662	5,536.72	160.9	68.12
1664	5,564.02	31.48	65.95
1666	5,550.77	0	45.47
1668	5,543.22	7	67.22
1670	5,543.77	0	67.02
1673	5,548.16	10.49	64.93
1674	5,553.86	174.89	62.28
1676	5,551.07	10.49	63.7
1677	5,553.08	0	62.88
1678	5,553.67	10.49	62.61
1679	5,554.70	13.99	62.18
1680	5,557.10	20.99	61.16
1681	5,556.10	0	61.7
1683	5,553.92	0	62.72
1684	5,555.33	13.99	62.09
1685	5,552.33	10.49	63.49
1687	5,548.20	13.99	65.4
1688	5,534.01	27.98	68.28
1690	5,537.76	13.99	66.54
1691	5,539.24	7	65.82
1693	5,539.92	13.99	65.52
1694	5,546.89	0	64.02
1695	5,541.23	20.99	64.95
1696	5,539.66	20.99	65.68
1697	5,538.50	0	66.22
1698	5,538.62	13.99	66.16
1704	5,572.22	0	58.23
1705	5,574.12	10.49	57.56
1710	5,573.21	0	57.79
1714	5,568.86	17.49	54.65
1715	5,596.33	17.49	51.18
1716	5,594.61	13.99	51.88
1717	5,594.99	17.49	51.69
1718	5,597.59	20.99	50.54
1719	5,593.18	20.99	52.43
1720	5,576.04	7	59.84
1722	5,571.16	17.49	62.39
1723	5,559.63	17.49	68.63
1724	5,552.64	7	73.93
1726	5,629.27	7	39.04
1727	5,619.24	7	42.6
1728	5,621.30	13.99	42.82

Alternative #1 Peak Instantaneous Continued

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1916	5,525.90	13.99	51.73
1917	5,525.19	20.99	51.38
1918	5,523.31	0	51.48
1919	5,523.65	20.99	51.3
1921	5,522.40	17.49	51.32
1923	5,520.37	17.49	51.9
1924	5,519.21	20.99	52.4
1925	5,519.54	101.44	52.26
1926	5,521.96	13.99	51.85
1927	5,548.93	2,131.35	64.58
1928	5,572.71	1,311.70	57.47
2619	5,885.63	0	40.83
2621	5,808.21	0	74.33
2622	5,763.08	0	78.11
2626	5,742.76	0	86.91
2629	5,713.54	0	99.54
2630	5,762.27	0	78.46
2633	5,767.94	0	76.01
2634	5,674.83	0	116.3
3470	5,519.00	20.99	52.7
3620	5,515.00	20.99	52.72
6590	5,595.50	146.91	47
6610	5,614.00	146.91	40.08
6640	5,898.00	0	31.59

Fire Flow Alternative #1

Label	Satisfies Fire	
	Flow Constraints?	Pressure (psi)
3	TRUE	30.36
5	TRUE	37.57
6	TRUE	32.38
7	FALSE	28.7
8	TRUE	47.01
10	TRUE	54.84
11	TRUE	53.71
12	TRUE	52.7
15	TRUE	49.16
17	TRUE	52.78
21	TRUE	55.43
24	FALSE	37.95
26	FALSE	36.85
30	FALSE	25.77
32	FALSE	24.95
36	FALSE	27.06
38	FALSE	33.2
40	TRUE	64.67
41	TRUE	68.91
42	TRUE	70.49
43	TRUE	69.23
44	TRUE	68.75
46	TRUE	68.69
47	TRUE	64.26
49	TRUE	72.43
51	TRUE	79.89
54	TRUE	73.72
61	TRUE	57.3
102	TRUE	64.41
103	TRUE	68.68
104	TRUE	74.88
105	TRUE	75.16
109	TRUE	43.25
118	TRUE	75.29
123	TRUE	56.05
128	FALSE	52.75
142	TRUE	39.72
143	FALSE	40.11
144	TRUE	45.64
146	TRUE	68.55
147	TRUE	64.27
148	TRUE	64.13
149	TRUE	63.54
150	TRUE	60.85
151	TRUE	47.67
152	TRUE	45.91
156	TRUE	88.07
158	TRUE	87.55
159	TRUE	81.71
160	TRUE	83.23
161	TRUE	80.33
164	TRUE	72.43
165	TRUE	76.88
167	TRUE	81.07
169	TRUE	83.71
175	TRUE	84.08
176	TRUE	82.32
179	TRUE	73.3
186	TRUE	46.05
187	TRUE	46.02
192	TRUE	59.33
193	TRUE	47.96
194	TRUE	47.78
196	TRUE	69.09
199	TRUE	69.16
200	TRUE	68.02
201	TRUE	64.79
202	TRUE	84.68
205	TRUE	81.22
209	TRUE	61.13
210	TRUE	62.34
211	TRUE	62.3
213	TRUE	62.27
222	TRUE	62.12
239	TRUE	61.2
260	TRUE	57.01
277	TRUE	57.33
282	TRUE	57.79
283	TRUE	57.54
285	TRUE	57.28
286	TRUE	57.17
287	TRUE	57.11
289	TRUE	56.94
290	TRUE	56.71
291	TRUE	56.56
292	TRUE	56.65
293	TRUE	56.67
294	TRUE	57.01
299	TRUE	56.5
300	TRUE	56.31
303	TRUE	56.36
304	TRUE	56.21
308	TRUE	56.06
309	TRUE	55.95
313	TRUE	54.21
314	TRUE	53.84
325	TRUE	58.93
326	TRUE	55.75
327	TRUE	54.35
328	TRUE	52.65
329	TRUE	53.29
330	TRUE	54.5
331	TRUE	56.66
332	TRUE	58.34
333	TRUE	58.64
334	TRUE	58.33
335	TRUE	57.77
336	TRUE	55.58
337	TRUE	57.21

Label	Satisfies Fire	
	Flow Constraints?	Pressure (psi)
338	TRUE	58.22
339	TRUE	58.82
340	TRUE	58.92
341	TRUE	59.6
342	TRUE	59.29
343	TRUE	59.06
344	TRUE	59.05
345	TRUE	58.56
346	TRUE	57.81
348	TRUE	59.44
349	TRUE	59.23
350	TRUE	59.3
351	TRUE	60.66
352	TRUE	60.97
353	TRUE	61.94
354	TRUE	61.93
355	TRUE	61.92
356	TRUE	61.28
357	TRUE	61.91
358	TRUE	61.72
359	TRUE	61.07
360	TRUE	60.69
361	TRUE	59.62
363	TRUE	60.37
364	TRUE	61.2
365	TRUE	61.4
366	TRUE	61.74
379	TRUE	65.27
383	TRUE	76.68
385	TRUE	80.7
387	TRUE	79.4
390	TRUE	75.64
392	TRUE	62.51
396	TRUE	61.3
399	TRUE	58.36
400	TRUE	59.08
403	TRUE	57.9
404	TRUE	58.27
405	TRUE	59.18
408	TRUE	59.76
409	TRUE	60.53
410	TRUE	60.74
411	TRUE	60.85
412	TRUE	60.6
415	TRUE	60.43
417	TRUE	59.56
418	TRUE	59.65
419	TRUE	61.2
420	TRUE	61.83
421	TRUE	62.63
422	TRUE	63.25
425	TRUE	62.54
426	TRUE	62.1
427	TRUE	63.4
428	TRUE	63.13
429	TRUE	63.04
440	TRUE	68.96
497	TRUE	59.01
502	TRUE	77.35
510	TRUE	78.16
517	TRUE	72.44
530	TRUE	73.06
531	TRUE	71.35
532	TRUE	69.73
533	TRUE	66.02
534	TRUE	65.25
536	TRUE	65.12
537	TRUE	65.65
538	TRUE	65.13
539	TRUE	66.28
541	TRUE	66.62
546	TRUE	58.88
550	TRUE	61.3
553	TRUE	80.48
555	TRUE	71.06
559	TRUE	51.44
562	TRUE	50.54
568	TRUE	57.15
569	TRUE	59.54
570	TRUE	60.6
572	TRUE	41.49
575	TRUE	54.47
579	TRUE	31.76
580	FALSE	20.73
583	TRUE	94.75
584	TRUE	30.29
585	TRUE	65.86
586	TRUE	65.79
587	TRUE	65.39
588	TRUE	64.46
589	TRUE	63.93
594	TRUE	66.74
605	TRUE	63.24
606	TRUE	64.07
607	TRUE	64.31
608	TRUE	65.09
609	TRUE	65
610	TRUE	64.13
611	TRUE	62.4
612	TRUE	62.37
613	TRUE	61.34
614	TRUE	64.27
615	TRUE	63.35
616	TRUE	63.56
617	TRUE	62.01
618	TRUE	60.9
657	TRUE	65.43
658	TRUE	47.15
659	TRUE	111.53

Label	Satisfies Fire	
	Flow Constraints?	Pressure (psi)
660	TRUE	55.54
661	TRUE	84.62
662	TRUE	51.97
663	FALSE	56.49
664	TRUE	50.9
665	TRUE	103.65
666	TRUE	65.5
667	TRUE	86.46
668	TRUE	36.09
669	FALSE	106.87
670	TRUE	79.56
671	TRUE	92.02
672	TRUE	79.56
673	TRUE	79.56
674	TRUE	79.56
675	TRUE	79.39
676	TRUE	88.49
678	TRUE	79.96
679	TRUE	55.4
680	TRUE	82.15
681	TRUE	81.82
682	TRUE	102.64
683	TRUE	60.84
684	TRUE	60.44
685	TRUE	59.22
688	TRUE	63.34
689	TRUE	62.95
690	TRUE	62.57
691	TRUE	62.62
692	TRUE	63.09
693	TRUE	61.09
694	TRUE	52.97
695	TRUE	63.05
696	TRUE	69.44
697	TRUE	69.92
698	TRUE	70.46
699	TRUE	67.81
700	TRUE	63.07
701	TRUE	66.98
702	TRUE	67.63
703	TRUE	60.97
1001	FALSE	15.88
1012	FALSE	10
1013	FALSE	10.66
1015	FALSE	12.98
1016	FALSE	14.02
1021	TRUE	42.01
1023	TRUE	43.16
1025	TRUE	48.85
1026	TRUE	49.4
1028	TRUE	51.72
1031	TRUE	53.19
1038	TRUE	78.85
1040	TRUE	79.91
1041	TRUE	69.4
1044	TRUE	65.76
1045	TRUE	69.05
1049	TRUE	75.34
1051	TRUE	58.03
1052	TRUE	54.52
1054	TRUE	49.63
1055	FALSE	39.96
1057	FALSE	28.38
1058	FALSE	27.35
1060	FALSE	26.25
1061	FALSE	24.66
1063	FALSE	21.66
1064	FALSE	33.64
1066	FALSE	37.79
1067	FALSE	37.27
1070	FALSE	36.93
1071	TRUE	54.58
1073	TRUE	53.7
1078	TRUE	57.27
1080	TRUE	54.12
1081	TRUE	57.59
1084	TRUE	57.63
1089	TRUE	56.98
1093	TRUE	55.61
1094	FALSE	53.52
1096	FALSE	53.07
1097	TRUE	57.51
1100	TRUE	39.71
1103	TRUE	40.9
1104	TRUE	38
1106	TRUE	42.5
1109	TRUE	47.45
1111	TRUE	48.75
1115	TRUE	48.96
1116	TRUE	60.61
1118	TRUE	71.49
1125	TRUE	54.09
1128	TRUE	40.78
1129	TRUE	25.87
1132	TRUE	25.85
1139	TRUE	50.8
1140	TRUE	50.87
1142	TRUE	51.15
1146	TRUE	54.02
1147	TRUE	78.45
1148	TRUE	78.97
1149	TRUE	84.04
1152	TRUE	84.43
1153	TRUE	83.92
1154	TRUE	79.77
1156	TRUE	76.64
1157	TRUE	74.44
1161	TRUE	73.93
1162	TRUE	71.9

Fire Flow Alternative #1 Continued

Satisfies Fire		
Label	Flow Constraints?	Pressure (psi)
1163	TRUE	78.1
1164	TRUE	83.52
1167	TRUE	68.45
1168	TRUE	71.9
1171	TRUE	74.07
1172	TRUE	75.45
1175	TRUE	75.49
1176	TRUE	75.04
1178	TRUE	74.81
1181	TRUE	83.71
1183	TRUE	84.03
1185	TRUE	79.07
1186	TRUE	81.65
1187	TRUE	77.67
1188	TRUE	75.45
1190	FALSE	72.21
1193	TRUE	71.1
1194	TRUE	71.05
1196	TRUE	61.94
1207	TRUE	45.16
1208	TRUE	45.25
1210	TRUE	39.97
1214	FALSE	37.66
1217	FALSE	34.12
1218	TRUE	46.74
1222	TRUE	45.81
1228	TRUE	46.07
1229	TRUE	45.54
1235	TRUE	102.47
1237	TRUE	92.98
1239	TRUE	88.02
1245	TRUE	79.98
1246	TRUE	75.07
1247	TRUE	71.72
1249	FALSE	17.31
1250	TRUE	44.52
1253	TRUE	47.99
1263	TRUE	57.42
1264	TRUE	56.72
1266	TRUE	59.43
1268	TRUE	59.88
1269	TRUE	68.17
1270	TRUE	68.05
1272	TRUE	70.65
1275	TRUE	63.07
1278	TRUE	70.93
1280	TRUE	76.51
1281	TRUE	77.06
1286	TRUE	79.44
1293	TRUE	80.95
1294	TRUE	81.3
1297	TRUE	60.26
1299	TRUE	62.41
1300	TRUE	64.83
1302	TRUE	67.06
1304	TRUE	68.72
1309	TRUE	69.23
1311	TRUE	69.29
1312	TRUE	68.75
1317	TRUE	68.39
1319	TRUE	67.38
1320	TRUE	68.75
1321	TRUE	66.59
1322	TRUE	66.03
1323	TRUE	64.7
1326	TRUE	63.41
1327	TRUE	62.39
1328	TRUE	62.22
1329	TRUE	62.09
1330	TRUE	63.11
1332	TRUE	63.14
1333	TRUE	62.4
1334	TRUE	62.44
1336	TRUE	61.6
1339	TRUE	59.5
1341	TRUE	62.84
1343	TRUE	62.19
1345	TRUE	62.67
1346	TRUE	62.97
1347	TRUE	62.47
1349	TRUE	62.85
1351	TRUE	63.06
1352	TRUE	64.39
1355	TRUE	62.05
1357	TRUE	61.59
1359	TRUE	61.45
1361	TRUE	61.9
1363	TRUE	61.42
1366	TRUE	61.11
1368	TRUE	60.49
1369	TRUE	60.5
1371	TRUE	62.56
1373	TRUE	61.38
1378	TRUE	60.4
1379	TRUE	60.45
1381	TRUE	59.44
1382	TRUE	60.11
1384	TRUE	60.61
1386	TRUE	61.16
1389	TRUE	62.22
1390	TRUE	61.39
1394	TRUE	62.28
1396	TRUE	61.62
1399	TRUE	61.87
1401	TRUE	62.3
1403	TRUE	60.61
1405	TRUE	60.33
1407	TRUE	61.72
1409	TRUE	62.06

Satisfies Fire		
Label	Flow Constraints?	Pressure (psi)
1413	TRUE	60.88
1414	TRUE	59.88
1416	TRUE	58.72
1418	TRUE	58.81
1419	TRUE	59.14
1421	TRUE	58.77
1424	TRUE	57.58
1425	TRUE	57.57
1433	TRUE	56.74
1434	TRUE	57.57
1436	TRUE	58.38
1437	TRUE	58.54
1438	TRUE	58.3
1440	TRUE	58.38
1442	TRUE	57.71
1443	TRUE	57.4
1446	TRUE	57.43
1447	TRUE	57.22
1450	TRUE	57.01
1451	TRUE	57.13
1452	TRUE	58.49
1459	TRUE	56.8
1464	TRUE	55.57
1467	TRUE	56.21
1470	TRUE	57.52
1471	TRUE	57.14
1474	TRUE	56.31
1476	TRUE	55.84
1480	TRUE	59.26
1485	TRUE	56.9
1487	TRUE	57.67
1489	TRUE	58.12
1490	TRUE	57.35
1493	TRUE	55.33
1494	TRUE	54.09
1497	TRUE	53.36
1498	TRUE	52.73
1500	TRUE	52.08
1504	TRUE	52.99
1507	TRUE	66.73
1509	TRUE	65.78
1512	TRUE	66.15
1516	TRUE	65.79
1518	TRUE	63.61
1521	TRUE	63.98
1522	TRUE	62.03
1524	TRUE	65.41
1526	TRUE	65.46
1529	TRUE	65.42
1530	TRUE	64.92
1532	TRUE	64.77
1534	TRUE	64.06
1536	TRUE	62.26
1539	TRUE	64
1541	TRUE	64.07
1543	TRUE	63.66
1548	TRUE	65.28
1562	TRUE	65.44
1576	TRUE	62.39
1581	TRUE	64.9
1582	TRUE	63.14
1585	TRUE	64.22
1586	TRUE	65.96
1588	TRUE	66.98
1590	TRUE	67.89
1592	TRUE	68.81
1593	TRUE	68.89
1594	TRUE	67.53
1596	TRUE	66.75
1598	TRUE	65.86
1599	TRUE	63.5
1602	TRUE	62.45
1604	TRUE	61.59
1606	TRUE	61.37
1607	TRUE	62.39
1609	TRUE	62.62
1610	TRUE	63.1
1613	TRUE	64.93
1615	TRUE	65.9
1617	TRUE	66.62
1619	TRUE	68.28
1620	TRUE	66.58
1621	TRUE	65.13
1622	TRUE	64.39
1625	TRUE	64.21
1626	TRUE	62.5
1627	TRUE	61.75
1628	TRUE	61.64
1630	TRUE	60.38
1632	TRUE	60.08
1634	TRUE	59.29
1635	TRUE	61.14
1636	TRUE	60.97
1637	TRUE	61.19
1638	TRUE	61.87
1639	TRUE	62.52
1640	TRUE	62.66
1641	TRUE	62.94
1642	TRUE	62.49
1643	TRUE	62.97
1644	TRUE	64.68
1645	TRUE	61.19
1647	TRUE	60.05
1648	TRUE	59.12
1649	TRUE	59.03
1650	TRUE	59.96
1651	TRUE	58.42
1652	TRUE	58.81
1653	TRUE	59.14

Satisfies Fire		
Label	Flow Constraints?	Pressure (psi)
1654	TRUE	58.97
1655	TRUE	59.14
1656	TRUE	58.79
1658	TRUE	78.12
1659	TRUE	78.33
1660	TRUE	79.9
1662	TRUE	79.7
1664	TRUE	73.59
1666	TRUE	76.73
1668	TRUE	77.84
1670	TRUE	77.65
1673	TRUE	75.5
1674	TRUE	72.98
1676	TRUE	74.23
1677	TRUE	73.35
1678	TRUE	73.1
1679	TRUE	72.64
1680	TRUE	71.58
1681	TRUE	71.97
1683	TRUE	72.91
1684	TRUE	72.3
1685	TRUE	73.57
1687	TRUE	75.35
1688	TRUE	79.66
1690	TRUE	78.07
1691	TRUE	77.46
1693	TRUE	77.18
1694	TRUE	74.99
1695	TRUE	76.96
1696	TRUE	77.54
1697	TRUE	78.13
1698	TRUE	78.07
1704	TRUE	66.92
1705	TRUE	66.19
1710	TRUE	66.41
1714	TRUE	61.55
1715	TRUE	58.31
1716	TRUE	59.05
1717	TRUE	58.89
1718	TRUE	57.77
1719	TRUE	59.7
1720	TRUE	67.15
1722	TRUE	69.57
1723	TRUE	75.45
1724	TRUE	80.03
1725	TRUE	45.46
1727	TRUE	49.34
1728	TRUE	49.1
1729	TRUE	51.1
1732	TRUE	51.14
1733	TRUE	51.1
1734	TRUE	51.76
1735	TRUE	52.63
1736	TRUE	44.15
1743	TRUE	43.6
1753	TRUE	63.18
1754	TRUE	62.77
1755	TRUE	62.93
1756	TRUE	60.89
1757	TRUE	60.41
1758	TRUE	60.59
1759	TRUE	60.29
1761	TRUE	59.69
1763	TRUE	61.89
1764	TRUE	62.21
1765	TRUE	62.42
1767	TRUE	63.5
1768	TRUE	63.29
1771	TRUE	61.71
1772	TRUE	60.18
1775	TRUE	60.68
1776	TRUE	59.13
1777	TRUE	58.76
1778	TRUE	59.34
1779	TRUE	58.51
1781	TRUE	61.33
1782	TRUE	61.48
1784	TRUE	62.46
1785	TRUE	62.48
1786	TRUE	80.5
1787	TRUE	78.72
1788	TRUE	75.66
1789	TRUE	77.49
1791	TRUE	76.33
1797	TRUE	70.84
1798	TRUE	65.6
1799	TRUE	64.86
1800	TRUE	46.33
1802	TRUE	48.94
1805	TRUE	52.75
1806	TRUE	56.27
1809	TRUE	57.95
1811	TRUE	58.54
1812	TRUE	57.07
1815	TRUE	53.62
1816	TRUE	50.52
1819	TRUE	47.88
1820	TRUE	48.04
1835	TRUE	58.08
1887	TRUE	58.05
1888	TRUE	56.4
1889	TRUE	55.25
1892	TRUE	53.42
1894	TRUE	53
1898	TRUE	52.45
1900	TRUE	53.38
1903	TRUE	53.27
1904	TRUE	53.31
1906	TRUE	52.85

Fire Flow Alternative #1 Continued

Label	Satifies Fire	Pressure (psi)
	Flow Constraints?	
1908	TRUE	54.87
1909	TRUE	55.62
1910	TRUE	56.24
1911	TRUE	56.54
1912	TRUE	56.43
1914	TRUE	56.22
1916	TRUE	56.54
1917	TRUE	56.35
1918	TRUE	56.6
1919	TRUE	56.44
1921	TRUE	56.65
1923	TRUE	57.35
1924	TRUE	57.96
1925	TRUE	57.93
1926	TRUE	56.97
1927	TRUE	76.35
1928	TRUE	67.77
2619	TRUE	40.83
2621	TRUE	74.33
2622	TRUE	81.12
2626	TRUE	89.92
2629	TRUE	102.56
2630	TRUE	81.47
2633	FALSE	79.02
2634	TRUE	119.31
3470	TRUE	59.08
3620	TRUE	59.91
6590	TRUE	53.5
6610	TRUE	48.43
6640	TRUE	32.33

Alternative #1 With Secondary Peak Day

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
3	5,551.20	255.56	33.18
5	5,556.50	22.22	39.75
6	5,568.50	22.22	34.56
7	5,577.00	0	30.88
8	5,547.80	2.22	48.58
10	5,547.50	3.33	55.57
11	5,559.00	0.56	53.94
12	5,566.00	0	52.66
15	5,597.90	22.22	47.85
17	5,646.85	0	38.62
21	5,675.00	0.56	34.35
24	5,714.80	0	17.11
26	5,717.20	2.78	16.06
30	5,742.80	1.11	4.98
32	5,744.70	0	4.16
36	5,739.90	0.56	6.24
38	5,725.75	1.11	12.37
40	5,694.80	1.67	35.11
41	5,699.80	0	36.33
42	5,701.80	0	36.75
43	5,706.90	1.67	35.05
44	5,710.00	1.11	34.17
46	5,715.75	2.22	32.96
47	5,733.00	1.11	27.09
49	5,723.90	0	33.23
51	5,720.85	0	37.73
54	5,709.00	0	36.98
61	5,603.00	0	57.44
102	5,542.50	3.33	64.86
103	5,543.80	3.33	68.9
104	5,547.80	3.33	74.65
105	5,548.60	1.67	74.89
109	5,635.50	1.11	41.85
118	5,547.30	1.67	75.13
123	5,682.75	2.22	33.01
128	5,673.40	2.78	32.45
142	5,635.90	1.67	39.58
143	5,635.00	1.11	39.97
144	5,621.90	1.67	45.43
146	5,567.50	3.89	68.4
147	5,579.00	0	64.22
148	5,579.50	1.67	64.1
149	5,581.90	2.22	63.57
150	5,587.10	1.11	60.81
151	5,616.70	2.78	47.35
152	5,623.30	0	45.88
156	5,675.80	0	51.34
158	5,677.00	0	50.83
159	5,690.50	0	44.99
160	5,687.00	0	46.5
161	5,693.70	7.78	43.6
164	5,539.00	0	74.76
165	5,528.20	2.22	79.29
167	5,517.90	2.78	83.57
169	5,511.50	2.22	86.25
175	5,517.00	0	86.02
176	5,527.00	2.78	83.77
179	5,552.10	0	74.26
186	5,624.20	1.11	46.07
187	5,627.00	0	46.13
192	5,595.00	1.11	59.43
193	5,627.00	2.22	48.21
194	5,626.10	0	47.99
196	5,565.50	1.11	69.53
199	5,570.10	1.67	69.56
200	5,573.20	1.67	68.43
201	5,581.10	1.11	65.19
202	5,515.60	0	86.63
205	5,529.50	0	82.47
209	5,482.00	515	67.39
210	5,480.00	1.67	69.04
211	5,481.50	1.67	68.59
213	5,483.00	2.22	68.14
222	5,490.50	28.33	65.9
239	5,491.00	0	65.43
260	5,496.00	0	61.5
277	5,503.00	22.78	60.91
282	5,519.50	0	58.53
283	5,520.00	0	58.24
285	5,520.50	0	57.95
286	5,520.00	2.22	57.84
287	5,521.10	0	57.73
289	5,521.80	0	57.48
290	5,522.50	0	57.21
291	5,523.00	0	57.02
292	5,523.00	0	57.06
293	5,522.80	0	57.05
294	5,521.90	0	57.34
299	5,525.00	0	56.8
300	5,525.80	0	56.57
303	5,527.00	0	56.52
304	5,527.80	0	56.42
308	5,531.00	0	55.94
309	5,530.00	2.22	54.8
313	5,537.00	2.78	56.57
314	5,537.80	32.22	56.22
325	5,530.00	4.44	61.46
326	5,536.50	2.78	58.28
327	5,539.54	2.22	56.87
328	5,543.20	1.11	55.15
329	5,541.50	2.22	55.78
330	5,538.50	0	56.98
331	5,533.20	2.78	59.11
332	5,529.00	2.22	60.77
333	5,527.90	2.22	61.04
334	5,525.80	5.56	60.42
335	5,525.80	2.78	58.35
336	5,530.50	2.22	55.82
337	5,526.10	3.33	57.48
338	5,522.80	2.22	58.52

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
339	5,521.00	2.22	59.13
340	5,520.70	0	59.23
341	5,518.20	2.22	59.9
342	5,519.00	1.67	59.6
343	5,519.60	2.22	59.38
344	5,519.20	5	59.28
345	5,521.90	3.89	59.01
346	5,525.50	3.89	58.39
348	5,516.80	2.22	59
349	5,516.40	2.22	58.92
350	5,516.20	2.78	58.99
351	5,511.90	5	60.47
352	5,510.50	5	60.82
353	5,506.20	3.89	61.83
354	5,506.20	1.67	61.81
355	5,505.80	1.11	61.5
356	5,505.70	1.67	61.48
357	5,504.90	5	62.1
358	5,507.50	4.44	61.77
359	5,510.90	5	60.92
360	5,513.20	3.89	60.75
361	5,518.00	3.33	59.91
363	5,512.90	3.33	60.04
364	5,510.00	5	60.93
365	5,508.20	4.44	61.22
366	5,507.00	1.11	61.59
379	5,574.10	16.67	62.62
383	5,548.10	0	73.89
385	5,538.80	0	77.91
387	5,541.80	0	76.61
390	5,550.50	0	72.85
392	5,496.20	1.11	66.3
396	5,499.00	28.89	65.05
399	5,505.80	1.11	62.12
400	5,504.20	1.67	63.04
403	5,507.00	2.22	61.93
404	5,506.20	2.22	62.34
405	5,504.10	2.22	63.26
408	5,502.80	2.22	63.84
409	5,501.00	2.22	64.6
410	5,500.50	2.22	64.81
411	5,500.25	0	64.91
412	5,500.80	0	64.65
415	5,501.10	2.22	64.41
417	5,503.10	1.67	63.54
418	5,502.90	1.67	63.63
419	5,499.50	2.22	65.27
420	5,498.20	2.22	65.91
421	5,496.20	2.22	66.67
422	5,494.60	1.11	67.22
425	5,496.20	1.67	66.48
426	5,497.20	1.11	66.05
427	5,494.20	1.11	67.34
428	5,494.80	2.22	67.05
429	5,495.00	2.22	66.96
440	5,490.50	24.44	72.15
497	5,525.90	1.11	59.94
502	5,539.50	0	79.76
510	5,539.00	0	81.01
517	5,555.00	1.11	74.16
530	5,567.00	2.78	72.81
531	5,574.00	15.56	70.44
532	5,565.50	6.67	70.61
533	5,574.10	3.33	67.06
534	5,575.90	2.22	66.4
536	5,576.20	2.22	66.28
537	5,575.00	3.33	66.85
538	5,576.30	3.33	66.43
539	5,573.70	2.22	67.61
541	5,576.00	0	67.52
546	5,595.00	1.11	59.52
550	5,589.50	2.22	62.01
553	5,551.00	2.22	80.25
555	5,576.10	6.67	70.23
559	5,616.50	0	51.72
562	5,622.50	1.11	50.51
568	5,600.50	1.11	57.77
569	5,594.80	0	60.17
570	5,591.70	0	61.28
572	5,649.50	0	41.28
575	5,606.00	222.78	53.62
579	5,674.10	0	32.14
580	5,701.70	0	21.69
583	5,761.00	0	94.75
584	5,910.00	0	30.29
585	5,492.20	0	69.91
586	5,492.20	1.11	69.88
587	5,493.00	2.78	69.51
588	5,495.00	2.78	68.62
589	5,496.10	2.78	68.12
594	5,572.22	1.67	68.15
605	5,498.60	0	67.52
606	5,496.50	0	68.37
607	5,495.80	0	68.63
608	5,493.90	0	69.41
609	5,494.10	0	69.32
610	5,496.00	0	68.46
611	5,499.90	0	68.73
612	5,499.90	0	68.73
613	5,502.20	27.22	65.73
614	5,495.90	0	68.59
615	5,498.00	0	67.68
616	5,497.50	0	67.89
617	5,501.00	0	66.38
618	5,503.50	27.22	65.29
657	5,481.00	0	71.67
658	5,618.00	0	46.84
659	5,692.80	0	76.42
660	5,591.00	23.33	53.83
661	5,755.00	0	49.51

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
662	5,602.00	0	51.29
663	5,620.00	0	21.39
664	5,601.00	0	48.81
665	5,711.00	0	68.55
666	5,809.00	0	42.12
667	5,752.00	0	52.87
668	5,888.00	0	25.85
669	5,733.00	0	106.87
670	5,733.00	0	51.03
671	5,733.00	0	51.08
672	5,733.00	0	51.03
673	5,733.00	0	51.03
674	5,733.00	0	51.03
675	5,733.00	0	50.4
676	5,708.00	0	54.75
678	5,534.00	0	81.25
679	5,547.50	0	56.11
680	5,501.00	0	85.05
681	5,499.50	4.44	84.85
682	5,742.76	0	102.64
683	5,490.00	0	64.49
684	5,501.00	33.33	64.13
685	5,505.00	33.33	61.41
688	5,478.00	515	69.64
689	5,467.00	155	64.81
690	5,468.00	0	64.45
691	5,468.00	0	64.53
692	5,467.00	155	65.01
693	5,473.00	159.44	63.07
694	5,496.00	159.44	59.96
695	5,468.00	7.22	65.28
696	5,451.00	515	67.21
697	5,450.00	0	69.65
698	5,450.00	515	68.04
699	5,455.00	515	65.37
700	5,468.00	159.44	65.23
701	5,457.00	515	65.49
702	5,455.00	555.56	65.52
703	5,471.00	555.56	62.8
1001	5,715.02	0	16.67
1012	5,730.81	0	10.02
1013	5,728.89	0	10.82
1015	5,722.46	0	13.51
1016	5,719.76	0	14.65
1021	5,646.25	0	41.92
1023	5,645.30	1.67	42.89
1025	5,630.94	0	48.38
1026	5,629.31	0	49.05
1028	5,623.80	0	51.19
1031	5,619.18	0	52.53
1038	5,723.95	0	37.58
1040	5,720.12	0	37.9
1041	5,735.01	0	29.35
1044	5,732.26	1.11	28.02
1045	5,713.52	0	33.61
1049	5,712.32	0	37.14
1051			

Alternative #1 With Secondary Peak Day

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1168	5,497.65	0	72.34
1171	5,490.74	0	74.88
1172	5,485.66	0	76.64
1175	5,483.67	0	77.05
1176	5,482.81	0	76.98
1178	5,482.76	0	76.87
1181	5,517.96	1.11	85.64
1183	5,517.32	1.67	85.96
1185	5,529.22	3.33	80.94
1186	5,528.96	2.78	83.06
1187	5,540.30	2.78	78.87
1188	5,545.44	3.33	76.65
1190	5,552.91	2.78	79.41
1193	5,559.89	2.78	71.78
1194	5,560.32	2.22	71.73
1196	5,585.51	2.78	61.96
1207	5,623.34	2.22	45.02
1208	5,623.23	1.11	45.11
1210	5,635.34	3.33	39.82
1214	5,640.67	2.22	37.52
1217	5,648.85	2.78	33.98
1218	5,620.16	3.33	46.66
1222	5,622.27	0	45.71
1228	5,622.78	0	46.04
1229	5,624.15	3.33	45.52
1235	5,642.50	4.44	65.75
1237	5,664.45	3.33	56.26
1239	5,675.92	0	51.29
1245	5,694.52	0	43.25
1246	5,705.88	0	38.33
1247	5,693.31	0	39.13
1249	5,710.49	7.78	18.51
1250	5,636.98	7.78	44.89
1253	5,627.55	5	48.25
1263	5,602.42	2.22	57.56
1264	5,604.33	3.89	56.87
1266	5,594.70	2.22	59.53
1268	5,593.62	3.33	60
1269	5,572.18	1.67	68.58
1270	5,572.59	1.67	68.45
1272	5,563.16	2.78	71.24
1275	5,585.35	2.22	63.47
1278	5,562.75	2.78	71.72
1280	5,545.49	0	77.49
1281	5,543.70	2.22	78.01
1286	5,535.54	3.33	80.7
1293	5,531.00	3.33	82.09
1294	5,527.48	3.89	82.78
1297	5,526.00	0	60.4
1299	5,519.33	5	62.84
1300	5,511.20	5	65.72
1302	5,503.49	5	68.43
1304	5,497.32	5	70.54
1309	5,493.87	2.22	71.5
1311	5,491.63	2.22	72.02
1312	5,490.86	1.67	71.97
1317	5,489.14	2.22	71.92
1319	5,489.12	1.11	71.18
1320	5,488.87	12.78	70.66
1321	5,488.56	2.22	70.54
1322	5,489.42	0	69.98
1323	5,489.60	1.11	68.59
1326	5,489.66	3.33	67.24
1327	5,489.65	0	66.23
1328	5,490.12	0	66.04
1329	5,490.18	28.33	65.85
1330	5,486.58	0	67.35
1332	5,486.45	0	67.39
1333	5,486.10	1.67	67.23
1334	5,485.34	1.11	67.46
1336	5,487.02	2.22	66.71
1339	5,490.89	2.22	64.94
1341	5,483.18	4.44	68.28
1343	5,483.86	1.67	67.86
1345	5,482.08	2.78	68.54
1346	5,481.40	2.78	68.83
1347	5,481.25	0	68.71
1349	5,480.23	2.22	69.13
1351	5,479.74	3.33	69.35
1352	5,479.56	2.22	70.85
1355	5,485.16	2.22	67.43
1357	5,486.41	2.22	66.91
1359	5,486.72	1.67	66.78
1361	5,485.70	2.22	67.22
1363	5,486.99	1.67	66.68
1366	5,487.90	2.22	66.3
1368	5,489.33	1.67	65.69
1369	5,489.31	1.67	65.69
1371	5,487.85	2.22	66.8
1373	5,490.39	29.44	65.09
1378	5,490.91	5	64.03
1379	5,490.73	0	64.1
1381	5,491.97	1.11	63.4
1382	5,489.94	2.22	64.23
1384	5,488.54	1.11	64.81
1386	5,487.14	0	65.4
1389	5,484.38	0	66.56
1390	5,486.29	0	65.73
1394	5,484.22	30	66.63
1396	5,485.63	0	66
1399	5,485.06	0	66.24
1401	5,484.03	30	66.69
1403	5,487.97	0	64.99
1405	5,488.61	0	64.71
1407	5,485.39	0	66.1
1409	5,484.57	30	66.45
1413	5,487.34	0	65.25
1414	5,489.69	0	64.23
1416	5,492.39	0	63.06
1418	5,492.31	0	63.11

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1419	5,491.67	3.33	63.4
1421	5,492.39	4.44	63.08
1424	5,494.90	4.44	61.98
1425	5,494.83	1.11	62.01
1433	5,496.64	1.67	61.22
1434	5,494.66	3.33	62.05
1436	5,492.75	3.33	62.86
1437	5,492.37	0	63.02
1438	5,492.93	1.11	62.78
1440	5,492.77	1.11	62.84
1442	5,494.00	0	62.25
1443	5,494.47	1.67	62.01
1446	5,493.75	2.22	62.21
1447	5,494.64	0	61.91
1450	5,495.57	3.33	61.6
1451	5,495.59	3.33	61.64
1452	5,492.39	3.33	63.01
1459	5,496.48	2.22	61.3
1464	5,499.38	2.22	60.09
1467	5,497.66	3.33	60.78
1470	5,492.71	3.33	62.45
1471	5,494.19	4.44	61.99
1474	5,497.40	3.33	60.97
1476	5,499.21	2.22	60.38
1480	5,499.91	22.78	60.66
1485	5,501.35	22.78	60.92
1487	5,503.34	22.78	61.03
1489	5,504.41	22.78	61.03
1490	5,492.46	159.44	62.35
1493	5,493.53	159.44	61.54
1494	5,494.32	159.44	60.96
1497	5,495.09	159.44	60.47
1498	5,496.36	159.44	59.84
1500	5,497.86	159.44	59.15
1504	5,495.95	0	59.98
1507	5,488.97	2.22	70.72
1509	5,492.61	0	69.76
1512	5,491.51	1.67	70.13
1516	5,493.53	2.22	69.61
1518	5,498.29	4.44	67.45
1521	5,497.13	2.78	67.8
1522	5,496.86	2.78	68.58
1524	5,495.92	4.44	68.99
1526	5,495.79	0	69.05
1529	5,498.15	3.33	68.72
1530	5,498.84	4.44	68.32
1532	5,498.93	2.78	68.2
1534	5,499.62	0	67.74
1536	5,502.69	0	66.23
1539	5,498.01	25.56	68.15
1541	5,497.94	0	68.18
1543	5,497.87	0	67.91
1548	5,494.02	0	69.54
1562	5,493.17	0	69.77
1576	5,499.93	0	66.72
1581	5,498.57	27.78	68.67
1582	5,502.83	2.78	66.83
1585	5,500.59	4.44	67.83
1586	5,497.51	3.89	69.27
1588	5,495.61	2.22	70.13
1590	5,493.85	2.78	70.94
1592	5,492.26	2.78	71.69
1593	5,494.14	4.44	71.35
1594	5,496.78	2.78	70.18
1596	5,498.23	2.78	69.53
1598	5,499.94	3.89	68.76
1599	5,504.69	4.44	66.66
1602	5,506.89	2.78	65.7
1604	5,508.69	27.78	64.91
1606	5,511.78	27.78	64.18
1607	5,509.62	1.11	65.12
1609	5,509.09	1.11	65.35
1610	5,508.13	3.89	65.77
1613	5,504.52	3.89	67.36
1615	5,502.59	3.89	68.21
1617	5,501.12	3.33	68.85
1619	5,498.02	3.89	70.22
1620	5,504.33	3.33	68.06
1621	5,507.07	3.33	66.86
1622	5,508.58	3.33	66.21
1625	5,508.71	3.89	66.14
1626	5,512.10	3.89	64.65
1627	5,513.69	2.22	63.95
1628	5,513.93	1.11	63.85
1630	5,516.65	27.78	62.67
1632	5,520.17	2.22	61.76
1634	5,521.94	25.56	61
1635	5,517.60	0	62.82
1636	5,518.30	1.11	62.58
1637	5,517.79	2.22	62.8
1638	5,516.36	3.33	63.43
1639	5,515.35	3.33	63.89
1640	5,515.31	1.67	63.92
1641	5,514.65	0	64.2
1642	5,515.64	2.22	63.77
1643	5,514.73	3.33	64.17
1644	5,511.30	3.89	65.67
1645	5,521.91	2.22	61.72
1647	5,524.35	2.22	60.66
1648	5,526.43	2.22	59.76
1649	5,526.58	2.22	59.69
1650	5,524.47	0	60.61
1651	5,527.81	3.33	59.15
1652	5,526.51	3.33	59.69
1653	5,525.63	2.22	60.06
1654	5,526.02	0	59.89
1655	5,525.29	0	60.14
1656	5,526.24	27.78	59.79
1658	5,538.65	2.22	80.98
1659	5,538.78	3.33	81.16

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1660	5,536.09	2.22	82.66
1662	5,536.72	25.56	82.45
1664	5,564.02	5	73.71
1666	5,550.77	7.22	78.06
1668	5,543.22	1.11	80.1
1670	5,543.77	7.22	79.9
1673	5,548.16	1.67	77.8
1674	5,553.86	27.78	75.32
1676	5,551.07	1.67	76.46
1677	5,553.08	0	75.51
1678	5,553.67	1.67	75.27
1679	5,554.70	2.22	74.8
1680	5,557.10	3.33	75.66
1681	5,556.10	3.33	73.81
1683	5,553.92	0	74.64
1684	5,555.33	2.22	74.05
1685	5,552.33	1.67	75.07
1687	5,548.20	2.22	76.57
1688	5,534.01	4.44	81.2
1690	5,537.76	2.22	80.03
1691	5,539.24	1.11	79.82
1693	5,539.92	2.22	79.61
1694	5,546.89	0	77.09
1695	5,541.23	3.33	79.19
1696	5,539.66	3.33	80.32
1697	5,538.50	0	80.99
1698	5,538.62	2.22	80.93
1704	5,572.22	0	68.25
1705	5,574.12	1.67	67.49
1710	5,573.21	0	67.57
1714	5,586.86	2.78	62
1715	5,596.33	2.78	58.89
1716	5,594.61	2.22	59.68
1717	5,594.99	2.78	59.53
1718	5,597.59	3.33	58.43
1719	5,593.18	3.33	60.4
1720	5,576.04	1.11	67.86
1722	5,571.16	2.78	70.18
1723	5,559.63	2.78	75.73
1724	5,552.64	1.11	79.69
1726	5,629.27	1.11	45.94
1727	5,619.24	1.11	49.91
1728	5,621.30	2.22	49.53
1729	5,618.87	3.33	51.3
1732	5,617.42	2.78	51.41
1733	5,617.49	0	51.38
1734	5,615.77	2	

Alternative #1 With Secondary Peak Day

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1916	5,525.90	2.22	56.76
1917	5,525.19	3.33	56.65
1918	5,523.31	0	57
1919	5,523.65	3.33	56.84
1921	5,522.40	2.78	57.21
1923	5,520.37	2.78	58.02
1924	5,519.21	3.33	58.73
1925	5,519.54	16.11	58.79
1926	5,521.96	2.22	57.3
1927	5,548.93	37.78	73.59
1928	5,572.71	208.33	66.14
2619	5,885.63	0	40.83
2621	5,808.21	0	74.33
2622	5,763.08	0	46.02
2626	5,742.76	0	54.81
2629	5,713.54	0	67.45
2630	5,762.27	0	46.37
2633	5,767.94	0	43.92
2634	5,674.83	0	84.2
3470	5,519.00	3.33	59.25
3620	5,515.00	3.33	59.52
6590	5,595.50	23.33	51.68
6610	5,614.00	23.33	45.5
6640	5,898.00	0	23.66

Alternative #1 With Secondary Peak Instantaneous

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
3	5,551.20	383.33	31.07
5	5,556.50	33.33	37.17
6	5,568.50	33.33	31.98
7	5,577.00	0	28.3
8	5,547.80	3.33	45.78
10	5,547.50	5	52.48
11	5,559.00	0.83	50.71
12	5,566.00	0	49.36
15	5,597.90	33.33	44.22
17	5,646.85	0	34.92
21	5,675.00	0.83	30.74
24	5,714.80	0	13.46
26	5,717.20	4.17	12.41
30	5,742.80	1.67	1.33
32	5,744.70	0	0.51
36	5,739.90	0.83	2.59
38	5,725.75	1.67	8.72
40	5,694.80	2.5	31.79
41	5,699.80	0	33.12
42	5,701.80	0	33.59
43	5,706.90	2.5	31.91
44	5,710.00	1.67	31.04
46	5,715.75	3.33	29.87
47	5,733.00	1.67	24.06
49	5,723.90	0	30.28
51	5,720.85	0	34.91
54	5,709.00	0	33.94
61	5,603.00	0	54.36
102	5,542.50	5	61.46
103	5,543.80	5	65.3
104	5,547.80	5	70.76
105	5,548.60	2.5	70.97
109	5,635.50	1.67	38.05
118	5,547.30	2.5	71.09
123	5,682.75	3.33	29.45
128	5,673.40	4.17	28.72
142	5,635.90	2.5	35.89
143	5,635.00	1.67	36.27
144	5,621.90	2.5	41.7
146	5,567.50	5.83	64.63
147	5,579.00	0	60.52
148	5,579.50	2.5	60.41
149	5,581.90	3.33	59.93
150	5,587.10	1.67	57.12
151	5,616.70	4.17	43.58
152	5,623.30	0	42.36
156	5,675.80	0	48.3
158	5,677.00	0	47.78
159	5,690.50	0	41.94
160	5,687.00	0	43.45
161	5,693.70	11.67	40.55
164	5,539.00	0	67.75
165	5,528.20	3.33	72.12
167	5,517.90	4.17	76.23
169	5,511.50	3.33	78.8
175	5,517.00	0	78.8
176	5,527.00	4.17	77.41
179	5,552.10	0	69.21
186	5,624.20	1.67	42.68
187	5,627.00	0	43.04
192	5,595.00	1.67	56.05
193	5,627.00	3.33	45.61
194	5,626.10	0	45.25
196	5,565.50	1.67	65.44
199	5,570.10	2.5	65.53
200	5,573.20	2.5	64.32
201	5,581.10	1.67	61.01
202	5,515.60	0	79.41
205	5,529.50	0	75.03
209	5,482.00	772.5	55.41
210	5,480.00	2.5	57.22
211	5,481.50	2.5	56.99
213	5,483.00	3.33	56.78
222	5,490.50	42.5	55.68
239	5,491.00	0	54.93
260	5,496.00	0	49.59
277	5,503.00	34.17	50.75
282	5,519.50	0	51.5
283	5,520.00	0	51.17
285	5,520.50	0	50.84
286	5,520.00	3.33	50.54
287	5,521.10	0	50.64
289	5,521.80	0	50.43
290	5,522.50	0	50.18
291	5,523.00	0	50.02
292	5,523.00	0	50.08
293	5,522.80	0	50
294	5,521.90	0	50.25
299	5,525.00	0	50.19
300	5,525.80	0	50.05
303	5,527.00	0	50.29
304	5,527.80	0	50.34
308	5,531.00	0	50.45
309	5,530.00	3.33	48.32
313	5,537.00	4.17	53.14
314	5,537.80	48.33	52.79
325	5,530.00	6.67	59.37
326	5,536.50	4.17	55.9
327	5,539.54	3.33	54.42
328	5,543.20	1.67	52.61
329	5,541.50	3.33	53.18
330	5,538.50	0	54.3
331	5,533.20	4.17	56.33
332	5,529.00	3.33	57.88
333	5,527.90	3.33	58.02
334	5,525.80	8.33	56.38
335	5,525.80	4.17	52.94
336	5,530.50	3.33	50.08
337	5,526.10	5	51.58
338	5,522.80	3.33	52.38

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
339	5,521.00	3.33	52.88
340	5,520.70	0	52.95
341	5,518.20	3.33	53.36
342	5,519.00	2.5	53.09
343	5,519.60	3.33	52.89
344	5,519.20	7.5	52.62
345	5,521.90	5.83	52.93
346	5,525.50	5.83	52.93
348	5,516.80	3.33	51.5
349	5,516.40	3.33	51.25
350	5,516.20	4.17	51.31
351	5,511.90	7.5	52.55
352	5,510.50	7.5	52.75
353	5,506.20	5.83	53.24
354	5,506.20	2.5	53.22
355	5,505.80	1.67	52.62
356	5,505.70	2.5	52.57
357	5,504.90	7.5	53.33
358	5,507.50	6.67	53.48
359	5,510.90	7.5	53.02
360	5,513.20	5.83	53.36
361	5,518.00	5	53.33
363	5,512.90	5	52.12
364	5,510.00	7.5	52.78
365	5,508.20	6.67	52.78
366	5,507.00	1.67	53.07
379	5,574.10	25	51.92
383	5,548.10	0	63.2
385	5,538.80	0	67.22
387	5,541.80	0	65.92
390	5,550.50	0	62.16
392	5,496.20	1.67	58.47
396	5,499.00	43.33	57.17
399	5,505.80	1.67	54.26
400	5,504.20	2.5	55.45
403	5,507.00	3.33	54.46
404	5,506.20	3.33	54.93
405	5,504.10	3.33	55.86
408	5,502.80	3.33	56.46
409	5,501.00	3.33	57.21
410	5,500.50	3.33	57.41
411	5,500.25	0	57.51
412	5,500.80	0	57.22
415	5,501.10	3.33	56.85
417	5,503.10	2.5	55.97
418	5,502.90	2.5	55.06
419	5,499.50	3.33	57.91
420	5,498.20	3.33	58.64
421	5,496.20	3.33	59.27
422	5,494.60	1.67	59.66
425	5,496.20	2.5	58.87
426	5,497.20	1.67	58.43
427	5,494.20	1.67	59.72
428	5,494.80	3.33	59.39
429	5,495.00	3.33	59.28
440	5,490.50	36.67	68.18
497	5,525.90	1.67	59.21
502	5,539.50	0	72.34
510	5,539.00	0	73.98
517	5,555.00	1.67	67.73
530	5,567.00	4.17	67.72
531	5,574.00	23.33	65.66
532	5,565.50	10	65.26
533	5,574.10	5	61.67
534	5,575.90	3.33	60.97
536	5,576.20	3.33	60.85
537	5,575.00	5	61.41
538	5,576.30	5	60.98
539	5,573.70	3.33	62.16
541	5,576.00	0	62.69
546	5,595.00	1.67	55.08
550	5,589.50	3.33	57.46
553	5,551.00	3.33	75.87
555	5,576.10	10	65.98
559	5,616.50	0	48.32
562	5,622.50	1.67	47.23
568	5,600.50	1.67	53.47
569	5,594.80	0	55.84
570	5,591.70	0	56.82
572	5,649.50	0	39.96
575	5,606.00	334.17	48.48
579	5,674.10	0	30.73
580	5,701.70	0	21.16
583	5,761.00	0	94.75
584	5,910.00	0	30.29
585	5,492.20	0	64.31
586	5,492.20	1.67	64.24
587	5,493.00	4.17	63.85
588	5,495.00	4.17	62.92
589	5,496.10	4.17	62.39
594	5,572.22	2.5	62.61
605	5,498.60	0	62.28
606	5,496.50	0	63.09
607	5,495.80	0	63.3
608	5,493.90	0	64.04
609	5,494.10	0	63.94
610	5,496.00	0	63.04
611	5,499.90	0	61.27
612	5,499.90	0	61.25
613	5,502.20	40.83	60.25
614	5,495.90	0	63.25
615	5,498.00	0	62.34
616	5,497.50	0	62.56
617	5,501.00	0	61.03
618	5,503.50	40.83	59.95
657	5,481.00	0	60.38
658	5,618.00	0	43.08
659	5,692.80	0	74.61
660	5,591.00	35	50.09
661	5,755.00	0	47.7

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
662	5,602.00	0	47.45
663	5,820.00	0	19.57
664	5,601.00	0	45.11
665	5,711.00	0	66.73
666	5,809.00	0	40.91
667	5,752.00	0	51.13
668	5,888.00	0	25.32
669	5,733.00	0	106.87
670	5,733.00	0	48.91
671	5,733.00	0	48.96
672	5,733.00	0	48.91
673	5,733.00	0	48.91
674	5,733.00	0	48.91
675	5,733.00	0	48.25
676	5,708.00	0	52.36
678	5,534.00	0	74.83
679	5,547.50	0	53
680	5,501.00	0	77.54
681	5,499.50	6.67	77.19
682	5,742.76	0	102.64
683	5,490.00	0	52.76
684	5,501.00	50	56.19
685	5,505.00	50	52.27
688	5,478.00	772.5	57.69
689	5,467.00	232.5	54.03
690	5,468.00	0	53.53
691	5,468.00	0	53.46
692	5,467.00	232.5	53.85
693	5,473.00	239.17	50.07
694	5,496.00	239.17	47.52
695	5,468.00	10.83	53.34
696	5,451.00	772.5	51.63
697	5,450.00	0	60.71
698	5,450.00	772.5	51.89
699	5,455.00	772.5	49.19
700	5,468.00	239.17	52.64
701	5,457.00	772.5	50.27
702	5,455.00	833.33	51.05
703	5,471.00	833.33	53.66
1001	5,715.02	0	16.57
1012	5,730.81	0	10.02
1013	5,728.89	0	10.8
1015	5,722.46	0	13.44
1016	5,719.76	0	14.58
1021	5,646.25	0	39.43
1023	5,645.30	2.5	40.43
1025	5,630.94	0	45.45
1026	5,629.31	0	46.02
1028	5,623.80	0	48.06
1031	5,619.18	0	48.94
1038	5,723.95	0	34.8
1040	5,720.12	0	35.07
1041	5,735.01	0	26.44
1044	5,732.26	1.67	25.01
1045	5,713.52	0	30.51
1049	5,712.32	0	34.15
1051	5,685.03	4.17	30.09

Alternative #1 With Secondary Peak Instantaneous

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1168	5,497.65	0	71.79
1171	5,490.74	0	73.87
1172	5,485.66	0	75.16
1175	5,483.67	0	75.11
1176	5,482.81	0	74.56
1178	5,482.76	0	74.31
1181	5,517.96	1.67	78.42
1183	5,517.32	2.5	78.77
1185	5,529.22	5	73.7
1186	5,528.96	4.17	76.84
1187	5,540.30	4.17	73.34
1188	5,545.44	5	71.12
1190	5,552.91	4.17	67.88
1193	5,559.89	4.17	67.2
1194	5,560.32	3.33	67.18
1196	5,585.51	4.17	58.31
1207	5,623.34	3.33	41.32
1208	5,623.23	1.67	41.42
1210	5,635.34	5	36.13
1214	5,640.67	3.33	33.82
1217	5,648.85	4.17	30.28
1218	5,620.16	5	43
1222	5,622.27	0	42.05
1228	5,622.78	0	42.5
1229	5,624.15	5	41.99
1235	5,642.50	6.67	62.7
1237	5,664.45	5	53.21
1239	5,675.92	0	48.24
1245	5,694.52	0	40.2
1246	5,705.88	0	35.28
1247	5,693.31	0	35.93
1249	5,710.49	11.67	18.37
1250	5,636.98	11.67	42.64
1253	5,627.55	7.5	45.72
1263	5,602.42	3.33	54.46
1264	5,604.33	5.83	53.77
1266	5,594.70	3.33	56.15
1268	5,593.62	5	56.59
1269	5,572.18	2.5	64.55
1270	5,572.59	2.5	64.43
1272	5,563.16	4.17	66.88
1275	5,585.35	3.33	59.25
1278	5,562.75	4.17	66.41
1280	5,545.49	0	71.11
1281	5,543.70	3.33	71.49
1286	5,535.54	3.33	74.27
1293	5,531.00	5	74.02
1294	5,527.48	5.83	75.41
1297	5,526.00	0	60.19
1299	5,519.33	7.5	62.17
1300	5,511.20	7.5	64.38
1302	5,503.49	7.5	66.43
1304	5,497.32	7.5	67.95
1309	5,493.87	3.33	68.35
1311	5,491.63	3.33	68.4
1312	5,490.86	2.5	67.95
1317	5,489.14	3.33	67.1
1319	5,489.12	1.67	65.6
1320	5,488.87	19.17	64.45
1321	5,488.56	3.33	64.08
1322	5,489.42	0	63.33
1323	5,489.60	1.67	60.65
1326	5,489.66	5	57.98
1327	5,488.65	0	55.37
1328	5,490.12	0	55.79
1329	5,490.18	42.5	55.45
1330	5,486.58	0	56.84
1332	5,486.45	0	56.88
1333	5,486.10	2.5	56.35
1334	5,485.34	1.67	56.47
1336	5,487.02	3.33	55.69
1339	5,490.89	3.33	53.82
1341	5,483.18	6.67	57.15
1343	5,483.86	2.5	56.6
1345	5,482.08	4.17	57.17
1346	5,481.40	4.17	57.47
1347	5,481.25	0	57.14
1349	5,480.23	3.33	57.54
1351	5,479.74	5	57.75
1352	5,479.56	3.33	59.31
1355	5,485.16	3.33	56.33
1357	5,486.41	3.33	55.83
1359	5,486.72	2.5	55.7
1361	5,485.70	3.33	56.14
1363	5,486.99	2.5	55.61
1366	5,487.90	3.33	55.26
1368	5,489.33	2.5	54.64
1369	5,489.31	2.5	54.65
1371	5,487.85	3.33	56.29
1373	5,490.39	44.17	54.06
1378	5,490.91	7.5	52.27
1379	5,490.73	0	52.32
1381	5,491.97	1.67	51.54
1382	5,489.94	3.33	52.34
1384	5,488.54	1.67	52.91
1386	5,487.14	0	53.49
1389	5,484.38	0	54.84
1390	5,486.29	0	53.81
1394	5,484.22	45	54.71
1396	5,485.63	0	54.07
1399	5,485.06	0	54.31
1401	5,484.03	45	54.76
1403	5,487.97	0	53.06
1405	5,488.61	0	52.78
1407	5,485.39	0	54.16
1409	5,484.57	45	54.51
1413	5,487.34	0	53.32
1414	5,489.69	0	52.3
1416	5,492.39	0	51.13
1418	5,492.31	0	51.19

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1419	5,491.67	5	51.49
1421	5,492.39	6.67	51.17
1424	5,494.90	6.67	50.07
1425	5,494.83	1.67	50.1
1433	5,496.64	2.5	49.31
1434	5,494.66	5	50.13
1436	5,492.75	5	50.92
1437	5,492.37	0	51.08
1438	5,492.93	1.67	50.83
1440	5,492.77	1.67	50.89
1442	5,494.00	0	50.27
1443	5,494.47	2.5	50.01
1446	5,493.75	3.33	50.16
1447	5,494.64	0	49.91
1450	5,495.57	5	49.64
1451	5,495.59	5	49.71
1452	5,492.39	5	51.07
1459	5,496.48	3.33	49.39
1464	5,499.38	3.33	48.23
1467	5,497.66	5	48.87
1470	5,492.71	5	50.3
1471	5,494.19	6.67	49.95
1474	5,497.40	5	49.15
1476	5,499.21	3.33	48.69
1480	5,499.91	34.17	49.37
1485	5,501.35	34.17	50.24
1487	5,503.34	34.17	51.07
1489	5,504.41	34.17	51.41
1490	5,492.46	239.17	50.09
1493	5,493.53	239.17	49.14
1494	5,494.32	239.17	48.49
1497	5,495.09	239.17	47.99
1498	5,496.36	239.17	47.37
1500	5,497.86	239.17	46.72
1504	5,495.95	0	47.54
1507	5,488.97	3.33	64.58
1509	5,492.61	0	64.21
1512	5,491.51	2.5	64.48
1516	5,493.53	3.33	64.33
1518	5,498.29	6.67	62.07
1521	5,497.13	4.17	62.3
1522	5,496.86	4.17	63.76
1524	5,495.92	6.67	64.17
1526	5,495.79	0	64.23
1529	5,498.15	5	64.61
1530	5,498.84	6.67	64.09
1532	5,498.53	4.17	63.9
1534	5,499.62	0	63.25
1536	5,502.69	0	61.52
1539	5,498.01	38.33	63.32
1541	5,497.94	0	63.36
1543	5,497.87	0	62.76
1548	5,494.02	0	64.35
1562	5,493.17	0	64.43
1576	5,499.93	0	61.25
1581	5,498.57	41.67	64.66
1582	5,502.83	4.17	62.84
1585	5,500.59	6.67	63.87
1586	5,497.51	5.83	65.42
1588	5,495.61	3.33	66.34
1590	5,493.85	4.17	67.19
1592	5,492.26	4.17	68.02
1593	5,494.14	6.67	68.17
1594	5,496.78	4.17	66.86
1596	5,498.23	4.17	66.28
1598	5,499.94	5.83	65.5
1599	5,504.69	6.67	63.34
1602	5,506.89	4.17	62.36
1604	5,508.69	41.67	61.56
1606	5,511.78	41.67	61.47
1607	5,509.62	1.67	62.42
1609	5,509.09	1.67	62.65
1610	5,508.13	5.83	63.08
1613	5,504.52	5.83	64.7
1615	5,502.59	5.83	65.57
1617	5,501.12	5	66.22
1619	5,498.02	5.83	67.62
1620	5,504.33	5	66.05
1621	5,507.07	5	64.84
1622	5,508.58	5	64.18
1625	5,508.71	5.83	64.09
1626	5,512.10	5.83	62.58
1627	5,513.69	3.33	61.88
1628	5,513.93	1.67	61.78
1630	5,516.65	41.67	60.58
1632	5,520.17	3.33	60.33
1634	5,521.94	38.33	59.57
1635	5,517.60	0	61.33
1636	5,518.30	1.67	61.16
1637	5,517.79	3.33	61.39
1638	5,516.36	5	62.02
1639	5,515.35	5	62.5
1640	5,515.31	2.5	62.55
1641	5,514.65	0	62.83
1642	5,515.64	3.33	62.4
1643	5,514.73	5	62.81
1644	5,511.30	5.83	64.32
1645	5,521.91	3.33	61.05
1647	5,524.35	3.33	59.98
1648	5,526.43	3.33	59.08
1649	5,526.58	3.33	59.01
1650	5,524.47	0	59.93
1651	5,527.81	5	58.45
1652	5,526.51	5	58.96
1653	5,525.63	3.33	59.33
1654	5,526.02	0	59.16
1655	5,525.29	0	59.33
1656	5,526.24	41.67	59.04
1658	5,538.65	3.33	73.86
1659	5,538.78	5	74.17

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1660	5,536.09	3.33	75.87
1662	5,536.72	38.33	75.7
1664	5,564.02	7.5	68.44
1666	5,550.77	10.83	72.17
1668	5,543.22	1.67	73.68
1670	5,543.77	10.83	73.48
1673	5,548.16	2.5	71.36
1674	5,553.86	41.67	68.88
1676	5,551.07	2.5	70.03
1677	5,553.08	0	69.1
1678	5,553.67	2.5	68.86
1679	5,554.70	3.33	68.39
1680	5,557.10	5	67.24
1681	5,556.10	5	67.38
1683	5,553.92	0	68.21
1684	5,555.33	3.33	67.61
1685	5,552.33	2.5	68.65
1687	5,548.20	3.33	70.16
1688	5,534.01	6.67	73.74
1690	5,537.76	3.33	72.59
1691	5,539.24	1.67	72.4
1693	5,539.92	3.33	72.2
1694	5,546.89	0	70.12
1695	5,541.23	5	71.82
1696	5,539.66	5	73.1
1697	5,538.50	0	73.83
1698	5,538.62	3.33	73.76
1704	5,572.22	0	62.81
1705	5,574.12	2.5	62.08
1710	5,573.21	0	62.14
1714	5,568.86	4.17	57.73
1715	5,596.33	4.17	54.51
1716	5,594.61	3.33	55.26
1717	5,594.99	4.17	55.09
1718	5,597.59	5	53.96
1719	5,593.18	5	55.87
1720	5,576.04	1.67	63.29
1722	5,571.16	4.17	65.63
1723	5,559.63	4.17	71.25
1724	5,552.64	1.67	75.34
1726	5,629.27	1.67	41.98
1727	5,619.24	1.67	45.74
1728	5,621.30	3.33	45.67
1729	5,618.87	5	47.85
1732	5,617.42	4.17	48
1733	5,617.49	0	47.96
1734	5,615.77	4.17	48.64
1735	5,613.75	5.83	49.56
1736	5,635.97	6.67	41.45</

Alternative #1 With Secondary Peak Instantaneous

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1916	5,525.90	3.33	50.37
1917	5,525.19	5	50.01
1918	5,523.31	0	50.07
1919	5,523.65	5	49.89
1921	5,522.40	4.17	50.15
1923	5,520.37	4.17	50.92
1924	5,519.21	5	51.74
1925	5,519.54	24.17	51.92
1926	5,521.96	3.33	50.19
1927	5,548.93	56.67	62.94
1928	5,572.71	312.5	57.57
2619	5,885.63	0	40.83
2621	5,808.21	0	74.33
2622	5,763.08	0	44.2
2626	5,742.76	0	52.99
2629	5,713.54	0	65.63
2630	5,762.27	0	44.55
2633	5,767.94	0	42.1
2634	5,674.83	0	82.38
3470	5,519.00	5	52.52
3620	5,515.00	5	51.84
6590	5,595.50	35	47.95
6610	5,614.00	35	41.68
6640	5,898.00	0	23.21

Alternative #1 With Secondary Fire Flow

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
3	TRUE	33.18
5	TRUE	39.75
6	TRUE	34.56
7	FALSE	30.88
8	TRUE	43.58
10	TRUE	55.57
11	TRUE	53.94
12	TRUE	52.66
15	TRUE	47.85
17	TRUE	38.62
21	FALSE	34.35
24	FALSE	17.11
26	FALSE	16.06
30	FALSE	4.98
32	FALSE	4.16
36	FALSE	6.24
38	FALSE	12.37
40	FALSE	35.11
41	FALSE	36.33
42	FALSE	36.75
43	FALSE	35.05
44	FALSE	34.17
46	FALSE	32.96
47	FALSE	27.09
49	FALSE	33.23
51	FALSE	37.73
54	FALSE	36.98
61	TRUE	57.44
102	TRUE	64.86
103	TRUE	68.9
104	TRUE	74.65
105	TRUE	74.89
109	TRUE	41.85
118	TRUE	75.13
123	FALSE	33.01
128	FALSE	32.45
142	FALSE	39.58
143	FALSE	39.97
144	TRUE	45.43
146	TRUE	68.4
147	TRUE	64.22
148	TRUE	64.1
149	TRUE	63.57
150	TRUE	60.81
151	TRUE	47.35
152	TRUE	45.88
156	FALSE	51.34
158	FALSE	50.83
159	FALSE	44.99
160	FALSE	46.5
161	FALSE	43.6
164	TRUE	74.76
165	TRUE	79.29
167	TRUE	83.57
169	TRUE	86.25
175	TRUE	86.02
176	TRUE	83.77
179	TRUE	74.26
186	TRUE	46.07
187	TRUE	46.13
192	TRUE	59.43
193	TRUE	48.21
194	TRUE	47.99
196	TRUE	69.53
199	TRUE	69.56
200	TRUE	68.43
201	TRUE	65.19
202	TRUE	86.63
205	TRUE	82.47
209	TRUE	67.39
210	TRUE	69.04
211	TRUE	68.59
213	TRUE	68.14
222	TRUE	65.9
239	TRUE	65.43
260	TRUE	61.5
277	TRUE	60.91
282	TRUE	58.53
283	TRUE	58.24
285	TRUE	57.95
286	TRUE	57.84
287	TRUE	57.73
289	TRUE	57.48
290	TRUE	57.21
291	TRUE	57.02
292	TRUE	57.06
293	TRUE	57.05
294	TRUE	57.34
299	TRUE	56.8
300	TRUE	56.57
303	TRUE	56.52
304	TRUE	56.42
308	TRUE	55.94
309	TRUE	54.8
313	TRUE	56.57
314	TRUE	56.22
325	TRUE	61.48
326	TRUE	58.28
327	TRUE	56.87
328	TRUE	55.15
329	TRUE	55.78
330	TRUE	56.98
331	TRUE	59.11
332	TRUE	60.77
333	TRUE	61.04
334	TRUE	60.42
335	TRUE	58.35
336	TRUE	55.82

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
337	TRUE	57.48
338	TRUE	58.52
339	TRUE	59.13
340	TRUE	59.23
341	TRUE	59.9
342	TRUE	59.6
343	TRUE	59.38
344	TRUE	59.28
345	TRUE	59.01
346	TRUE	58.39
348	TRUE	59
349	TRUE	58.92
350	TRUE	58.99
351	TRUE	60.47
352	TRUE	60.82
353	TRUE	61.83
354	TRUE	61.81
355	TRUE	61.5
356	TRUE	61.48
357	TRUE	62.1
358	TRUE	61.77
359	TRUE	60.92
360	TRUE	60.75
361	TRUE	59.91
363	TRUE	60.04
364	TRUE	60.93
365	TRUE	61.22
366	TRUE	61.59
379	TRUE	62.62
383	TRUE	73.89
385	TRUE	77.91
387	TRUE	76.61
390	TRUE	72.85
392	TRUE	66.3
396	TRUE	65.05
399	TRUE	62.12
400	TRUE	63.04
403	TRUE	68.93
404	TRUE	62.34
405	TRUE	63.26
408	TRUE	63.84
409	TRUE	64.6
410	TRUE	64.81
411	TRUE	64.91
412	TRUE	64.65
415	TRUE	64.41
417	TRUE	63.54
418	TRUE	63.63
419	TRUE	65.27
420	TRUE	65.91
421	TRUE	66.67
422	TRUE	67.22
425	TRUE	66.48
426	TRUE	66.05
427	TRUE	67.34
428	TRUE	67.05
429	TRUE	66.96
440	TRUE	72.15
497	TRUE	59.94
502	TRUE	79.76
510	TRUE	81.01
517	TRUE	74.16
530	TRUE	72.81
531	TRUE	70.44
532	TRUE	70.61
533	TRUE	67.06
534	TRUE	66.4
536	TRUE	66.28
537	TRUE	66.85
538	TRUE	66.43
539	TRUE	67.61
541	TRUE	67.52
546	TRUE	59.52
550	TRUE	62.01
553	TRUE	80.25
555	TRUE	70.23
559	TRUE	51.72
562	TRUE	50.51
568	TRUE	57.77
569	TRUE	60.17
570	TRUE	61.28
572	TRUE	41.28
575	TRUE	53.62
579	TRUE	32.14
580	FALSE	21.69
583	TRUE	94.75
584	TRUE	30.29
585	TRUE	69.91
596	TRUE	69.88
587	TRUE	69.51
588	TRUE	68.62
589	TRUE	68.12
594	TRUE	68.15
605	TRUE	67.52
606	TRUE	68.37
607	TRUE	68.63
608	TRUE	69.41
609	TRUE	69.32
610	TRUE	68.46
611	TRUE	66.73
612	TRUE	66.73
613	TRUE	65.73
614	TRUE	68.59
615	TRUE	67.68
616	TRUE	67.89
617	TRUE	66.38
618	TRUE	65.29
657	TRUE	71.67

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
658	TRUE	46.84
659	TRUE	76.42
660	TRUE	53.83
661	FALSE	49.51
662	TRUE	51.29
663	FALSE	21.39
664	TRUE	48.81
665	FALSE	68.55
666	TRUE	42.12
667	TRUE	52.87
668	FALSE	25.85
669	FALSE	106.87
670	TRUE	51.03
671	TRUE	51.08
672	TRUE	51.03
673	TRUE	51.03
674	TRUE	51.03
675	TRUE	50.4
676	TRUE	54.75
678	TRUE	81.25
679	TRUE	56.11
680	TRUE	85.05
681	TRUE	84.85
682	TRUE	102.64
683	TRUE	64.49
684	TRUE	64.13
685	TRUE	61.41
688	TRUE	69.64
689	TRUE	64.81
690	TRUE	64.45
691	TRUE	64.53
692	TRUE	65.01
693	TRUE	63.07
694	TRUE	59.96
695	TRUE	65.28
696	TRUE	67.21
697	TRUE	69.65
698	TRUE	63.04
699	TRUE	65.37
700	TRUE	65.23
701	TRUE	65.49
702	TRUE	65.52
703	TRUE	62.8
1001	FALSE	16.67
1012	FALSE	10.02
1013	FALSE	10.82
1015	FALSE	13.51
1016	FALSE	14.65
1021	TRUE	41.92
1023	TRUE	42.89
1025	TRUE	48.38
1026	TRUE	49.05
1028	TRUE	51.19
1031	TRUE	52.53
1038	FALSE	37.58
1040	FALSE	37.9
1041	FALSE	29.35
1044	FALSE	28.02
1045	FALSE	33.61
1049	FALSE	37.14
1051	FALSE	33.59
1052	FALSE	33.48
1054	FALSE	28.66
1055	FALSE	19.09
1057	FALSE	7.55
1058	FALSE	6.54
1060	FALSE	5.45
1061	FALSE	3.88
1063	FALSE	0.87
1064	FALSE	12.85
1066	FALSE	17.01
1067	FALSE	16.48
1070	FALSE	16.11
1071	FALSE	36.64
1073	TRUE	38.2
1078	FALSE	35.87
1080	FALSE	32.49
1081	FALSE	35.95
1084	FALSE	37.32
1089	FALSE	37.23
1093	FALSE	36.67
1094	FALSE	34.57
1096	FALSE	34.12
1097	FALSE	38.57
1100	TRUE	37.3
1103	TRUE	39.5
1104	TRUE	36.6
1106	TRUE	41.31
1109	TRUE	47.05
1111	TRUE	48.32
1115	TRUE	48.53
1116	TRUE	60.28
1118	TRUE	71.25
1125	TRUE	54.94
1128	TRUE	42.95
1129	TRUE	28.16
1132	TRUE	28
1139	TRUE	50.12
1140	TRUE	50.21
1142	TRUE	42.44
1146	TRUE	53.41
1147	TRUE	80.83
1148	TRUE	81.37
1149	TRUE	86.89
1152	TRUE	87.1
1153	TRUE	86.6
1154	TRUE	82.42
1156	TRUE	79.25

Alternative #1 With Secondary Fire Flow

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
1157	TRUE	77
1161	TRUE	76.51
1162	TRUE	74.15
1163	TRUE	80.54
1164	TRUE	86.05
1167	TRUE	68.52
1168	TRUE	72.34
1171	TRUE	74.88
1172	TRUE	76.64
1175	TRUE	77.05
1176	TRUE	76.98
1178	TRUE	76.87
1181	TRUE	85.64
1183	TRUE	85.96
1185	TRUE	80.94
1186	TRUE	83.06
1187	TRUE	78.87
1188	TRUE	76.65
1190	FALSE	73.41
1193	TRUE	71.78
1194	TRUE	71.73
1196	TRUE	61.96
1207	TRUE	45.02
1208	TRUE	45.11
1210	TRUE	39.82
1214	FALSE	37.52
1217	FALSE	33.98
1218	TRUE	46.66
1222	TRUE	45.71
1228	TRUE	48.04
1229	TRUE	45.52
1235	FALSE	65.75
1237	FALSE	56.26
1239	FALSE	51.29
1245	FALSE	43.25
1246	FALSE	38.33
1247	FALSE	39.13
1249	FALSE	18.51
1250	TRUE	44.89
1253	TRUE	48.25
1263	TRUE	57.56
1264	TRUE	56.87
1266	TRUE	59.53
1268	TRUE	60
1269	TRUE	69.58
1270	TRUE	68.45
1272	TRUE	71.24
1275	TRUE	63.47
1278	TRUE	71.72
1280	TRUE	77.49
1281	TRUE	78.01
1286	TRUE	80.7
1293	TRUE	82.09
1294	TRUE	82.78
1297	TRUE	60.4
1299	TRUE	62.84
1300	TRUE	65.72
1302	TRUE	68.43
1304	TRUE	70.54
1309	TRUE	71.5
1311	TRUE	72.02
1312	TRUE	71.97
1317	TRUE	71.92
1319	TRUE	71.18
1320	TRUE	70.66
1321	TRUE	70.54
1322	TRUE	69.98
1323	TRUE	68.59
1326	TRUE	67.24
1327	TRUE	66.23
1328	TRUE	66.04
1329	TRUE	65.85
1330	TRUE	67.35
1332	TRUE	67.39
1333	TRUE	67.23
1334	TRUE	67.46
1336	TRUE	66.71
1339	TRUE	64.94
1341	TRUE	68.28
1343	TRUE	67.86
1345	TRUE	68.54
1346	TRUE	68.83
1347	TRUE	68.71
1349	TRUE	69.13
1351	TRUE	69.35
1352	TRUE	70.85
1355	TRUE	67.43
1357	TRUE	66.91
1359	TRUE	66.78
1361	TRUE	67.22
1363	TRUE	66.68
1366	TRUE	66.3
1368	TRUE	65.69
1369	TRUE	65.69
1371	TRUE	66.9
1373	TRUE	65.09
1378	TRUE	64.03
1379	TRUE	64.1
1381	TRUE	63.4
1382	TRUE	64.23
1384	TRUE	64.81
1386	TRUE	65.4
1389	TRUE	66.56
1390	TRUE	65.73
1394	TRUE	66.63
1396	TRUE	66
1399	TRUE	66.24
1401	TRUE	66.69

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
1403	TRUE	64.99
1405	TRUE	64.71
1407	TRUE	66.1
1409	TRUE	66.45
1413	TRUE	65.25
1414	TRUE	64.23
1416	TRUE	63.06
1418	TRUE	63.11
1419	TRUE	63.4
1421	TRUE	63.08
1424	TRUE	61.98
1425	TRUE	62.01
1433	TRUE	61.22
1434	TRUE	62.05
1436	TRUE	62.86
1437	TRUE	63.02
1438	TRUE	62.78
1440	TRUE	62.84
1442	TRUE	62.25
1443	TRUE	62.01
1446	TRUE	62.21
1447	TRUE	61.91
1450	TRUE	61.6
1451	TRUE	61.64
1452	TRUE	63.01
1459	TRUE	61.3
1464	TRUE	60.09
1467	TRUE	60.78
1470	TRUE	62.45
1471	TRUE	61.99
1474	TRUE	60.97
1476	TRUE	60.38
1480	TRUE	60.66
1485	TRUE	60.92
1487	TRUE	61.03
1489	TRUE	61.03
1490	TRUE	62.35
1493	TRUE	61.54
1494	TRUE	60.96
1497	TRUE	60.47
1498	TRUE	59.84
1500	TRUE	59.15
1504	TRUE	59.98
1507	TRUE	70.72
1509	TRUE	69.76
1512	TRUE	70.13
1516	TRUE	69.61
1518	TRUE	67.45
1521	TRUE	67.8
1522	TRUE	68.58
1524	TRUE	68.99
1526	TRUE	69.05
1529	TRUE	68.72
1530	TRUE	68.32
1532	TRUE	68.2
1534	TRUE	67.74
1536	TRUE	66.23
1539	TRUE	68.15
1541	TRUE	68.18
1543	TRUE	67.91
1548	TRUE	69.54
1562	TRUE	69.77
1576	TRUE	66.72
1581	TRUE	68.67
1582	TRUE	66.83
1585	TRUE	67.83
1586	TRUE	69.27
1588	TRUE	70.13
1590	TRUE	70.94
1592	TRUE	71.69
1593	TRUE	71.35
1594	TRUE	70.18
1596	TRUE	69.53
1598	TRUE	68.76
1599	TRUE	66.66
1602	TRUE	65.7
1604	TRUE	64.91
1606	TRUE	64.18
1607	TRUE	65.12
1609	TRUE	65.35
1610	TRUE	65.77
1613	TRUE	67.36
1615	TRUE	68.21
1617	TRUE	68.85
1619	TRUE	70.22
1620	TRUE	68.06
1621	TRUE	66.86
1622	TRUE	66.21
1625	TRUE	66.14
1626	TRUE	64.65
1627	TRUE	63.95
1628	TRUE	63.85
1630	TRUE	62.67
1632	TRUE	61.76
1634	TRUE	61
1635	TRUE	62.82
1636	TRUE	62.58
1637	TRUE	62.8
1638	TRUE	63.43
1639	TRUE	63.89
1640	TRUE	63.92
1641	TRUE	64.2
1642	TRUE	63.77
1643	TRUE	64.17
1644	TRUE	65.67
1645	TRUE	61.72
1647	TRUE	60.66
1648	TRUE	59.76

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
1649	TRUE	59.69
1650	TRUE	60.61
1651	TRUE	59.15
1652	TRUE	59.69
1653	TRUE	60.06
1654	TRUE	59.89
1655	TRUE	60.14
1656	TRUE	59.79
1658	TRUE	80.98
1659	TRUE	81.16
1660	TRUE	82.66
1662	TRUE	82.45
1664	TRUE	73.71
1666	TRUE	78.06
1668	TRUE	80.1
1670	TRUE	79.9
1673	TRUE	77.8
1674	TRUE	75.32
1676	TRUE	76.46
1677	TRUE	75.51
1678	TRUE	75.27
1679	TRUE	74.8
1680	TRUE	73.66
1681	TRUE	73.81
1683	TRUE	74.64
1684	TRUE	74.05
1685	TRUE	75.07
1687	TRUE	76.57
1688	TRUE	81.2
1690	TRUE	80.03
1691	TRUE	79.82
1693	TRUE	79.61
1694	TRUE	77.09
1695	TRUE	79.19
1696	TRUE	80.32
1697	TRUE	80.99
1698	TRUE	80.93
1704	TRUE	68.25
1705	TRUE	67.49
1710	TRUE	67.57
1714	TRUE	62
1715	TRUE	58.89
1716	TRUE	59.68
1717	TRUE	59.53
1718	TRUE	58.43
1719	TRUE	60.4
1720	TRUE	67.86
1722	TRUE	70.18
1723	TRUE	75.73
1724	TRUE	79.69
1726	TRUE	45.94
1727	TRUE	49.91
1728	TRUE	49.53
1729	TRUE	51.3
1732	TRUE	51.41
1733	TRUE	51.38
1734	TRUE	52.03
1735	TRUE	52.87
1736	TRUE	44.38
1743	TRUE	43.82
1753	TRUE	67.42
1754	TRUE	67.02
1755	TRUE	67.18
1756	TRUE	64.95
1757	TRUE	64.66
1758	TRUE	64.84
1759	TRUE	64.55
1761	TRUE	63.76
1763	TRUE	65.98
1764	TRUE	66.31
1765	TRUE	66.61
1767	TRUE	67.45
1768	TRUE	67.24
1771	TRUE	65.65
1772	TRUE	64.17
1775	TRUE	64.73
1776	TRUE	63.1
1777	TRUE	62.76
1778	TRUE	63.42
1779	TRUE	62.38
1781	TRUE	65.2
1782	TRUE	65.35
1784	TRUE	66.33
1785	TRUE	66.35
1786	TRUE	77.71
1787	TRUE	75.93
1788	TRUE	72.87
1789	TRUE	74.7
1791	TRUE	73.54
1797	TRUE	68.13
1798	TRUE	62.95
1799	TRUE	62.21
1800	TRUE	47.05
1802	TRUE	49.54
1805	TRUE	53.15
1806	TRUE	56.46
1809	TRUE	58.01
1811	TRUE	58.77
1812	TRUE	57.4
1815	TRUE	54.15
1816	TRUE	51.22
1819	TRUE	48.69
1820	TRUE	48.88
1835	TRUE	59.61
1887	TRUE	60.04
1888	TRUE	58.99
1889	TRUE	57.73
1892	TRUE	55.78

Alternative #1 With Secondary Fire Flow

Label	Satisfies Fire	
	Flow Constraints?	Pressure (psi)
1894	TRUE	55.37
1898	TRUE	54.81
1900	TRUE	55.66
1903	TRUE	55.44
1904	TRUE	55.49
1906	TRUE	55.03
1908	TRUE	56.76
1909	TRUE	57.18
1910	TRUE	56.14
1911	TRUE	56.58
1912	TRUE	56.49
1914	TRUE	56.45
1916	TRUE	56.76
1917	TRUE	56.65
1918	TRUE	57
1919	TRUE	56.84
1921	TRUE	57.21
1923	TRUE	58.02
1924	TRUE	58.73
1925	TRUE	58.79
1926	TRUE	57.3
1927	TRUE	73.59
1928	TRUE	66.14
2619	TRUE	40.83
2621	TRUE	74.33
2622	FALSE	46.02
2626	TRUE	54.81
2629	FALSE	67.45
2630	FALSE	46.37
2633	FALSE	43.92
2634	FALSE	84.2
3470	TRUE	59.25
3620	TRUE	59.52
6590	TRUE	51.68
6610	TRUE	45.5
6640	FALSE	23.66

Alternative #2 Peak Day

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
3	5,551.20	868.4	30.33
5	5,556.50	75.51	37.64
6	5,568.50	75.51	32.44
7	5,577.00	0	28.76
8	5,547.80	7.55	47.13
10	5,547.50	11.33	55.03
11	5,559.00	1.89	53.89
12	5,566.00	0	52.86
15	5,597.90	75.51	49.59
17	5,646.85	0	56.43
21	5,675.00	1.89	56.97
24	5,714.80	0	39.49
26	5,717.20	9.44	38.39
30	5,742.80	3.78	27.31
32	5,744.70	0	26.49
36	5,739.90	1.89	28.6
38	5,725.75	3.78	34.74
40	5,694.80	5.66	62.29
41	5,699.80	0	64.97
42	5,701.80	0	65.95
43	5,706.90	5.66	64.46
44	5,710.00	3.78	63.77
46	5,715.75	7.55	63.11
47	5,733.00	3.78	57.95
49	5,723.90	0	65.1
51	5,720.85	0	71.07
54	5,709.00	0	67.64
61	5,603.00	0	60.05
102	5,542.50	11.33	65.01
103	5,543.80	11.33	69.54
104	5,547.80	11.33	76.17
105	5,548.60	5.66	76.48
109	5,635.50	3.78	41.82
118	5,547.30	5.66	76.71
123	5,682.75	7.55	57.05
128	5,673.40	9.44	58.04
142	5,635.90	5.66	41.19
143	5,635.00	3.78	41.58
144	5,621.90	5.66	47
146	5,567.50	13.21	70.12
147	5,579.00	0	66.11
148	5,579.50	5.66	66.01
149	5,581.90	7.55	65.59
150	5,587.10	3.78	62.72
151	5,616.70	9.44	48.86
152	5,623.30	0	47.59
156	5,675.80	0	81.39
158	5,677.00	0	81.47
159	5,690.50	0	75.63
160	5,687.00	0	77.14
161	5,693.70	26.43	74.24
164	5,539.00	0	76.8
165	5,528.20	7.55	81.36
167	5,517.90	9.44	85.7
169	5,511.50	7.55	88.41
175	5,517.00	0	88.93
176	5,527.00	9.44	86.59
179	5,552.10	0	76.52
186	5,624.20	3.78	47.8
187	5,627.00	0	47.96
192	5,595.00	3.78	61.76
193	5,627.00	7.55	50.18
194	5,626.10	0	49.32
196	5,565.80	3.78	71.98
199	5,570.10	5.66	72.08
200	5,573.20	5.66	71.13
201	5,581.10	3.78	68.06
202	5,515.60	0	89.53
205	5,529.50	0	86.83
209	5,482.00	672.13	66.21
210	5,480.00	5.66	68
211	5,481.50	5.66	67.52
213	5,483.00	7.55	67.06
222	5,490.50	96.28	65.26
239	5,491.00	0	64.65
260	5,496.00	0	61.18
277	5,503.00	77.4	61.15
282	5,519.50	0	61.79
283	5,520.00	0	61.58
285	5,520.50	0	61.37
286	5,520.00	7.55	61.56
287	5,521.10	0	61.19
289	5,521.80	0	60.99
290	5,522.50	0	60.75
291	5,523.00	0	60.59
292	5,523.00	0	60.67
293	5,522.80	0	60.74
294	5,521.90	0	61.11
299	5,525.00	0	60.22
300	5,525.80	0	59.97
303	5,527.00	0	59.79
304	5,527.80	0	59.62
308	5,531.00	0	58.93
309	5,530.00	7.55	59.05
313	5,537.00	9.44	56.74
314	5,537.80	109.49	56.37
325	5,530.00	15.1	60.78
326	5,536.50	9.44	57.56
327	5,539.54	7.55	56.17
328	5,543.20	3.78	54.49
329	5,541.50	7.55	55.15
330	5,538.50	0	56.38
331	5,533.20	9.44	58.57
332	5,529.00	7.55	60.29
333	5,527.90	7.55	60.67
334	5,525.80	18.88	60.7
335	5,525.80	9.44	59.63
336	5,530.50	7.55	57.32
337	5,526.10	11.33	59.11
338	5,522.80	7.55	60.36

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
339	5,521.00	7.55	61.08
340	5,520.70	0	61.19
341	5,518.20	7.55	62.13
342	5,519.00	5.66	61.88
343	5,519.60	7.55	61.72
344	5,519.20	16.99	61.89
345	5,521.90	13.21	60.92
346	5,525.50	13.21	59.73
348	5,516.80	7.55	62.27
349	5,516.40	7.55	62.06
350	5,516.20	9.44	62.13
351	5,511.90	16.99	63.5
352	5,510.50	16.99	63.8
353	5,506.20	16.99	64.73
354	5,506.20	5.66	64.72
355	5,505.80	3.78	64.7
356	5,505.70	5.66	64.72
357	5,504.90	16.99	65.26
358	5,507.50	15.1	64.8
359	5,510.90	16.99	63.92
360	5,513.20	13.21	63.42
361	5,518.00	11.33	62.16
363	5,512.90	11.33	63.2
364	5,510.00	16.99	64.02
365	5,508.20	15.1	64.2
366	5,507.00	3.78	64.53
379	5,574.10	56.63	60.03
383	5,548.10	0	71.43
385	5,538.80	0	75.46
387	5,541.80	0	74.16
390	5,550.50	0	70.39
392	5,496.20	3.78	65.7
396	5,499.00	98.17	64.49
399	5,505.80	3.78	61.56
400	5,504.20	5.66	62.26
403	5,507.00	7.55	61.06
404	5,506.20	7.55	61.42
405	5,504.10	7.55	62.33
408	5,502.80	7.55	62.91
409	5,501.00	7.55	63.68
410	5,500.50	7.55	63.9
411	5,500.25	0	64.01
412	5,500.80	0	63.76
415	5,501.10	7.55	63.6
417	5,503.10	5.66	62.74
418	5,502.90	5.66	62.82
419	5,499.50	7.55	64.35
420	5,498.20	7.55	64.97
421	5,496.20	7.55	65.78
422	5,494.60	3.78	66.42
425	5,496.20	5.66	65.72
426	5,497.20	3.78	65.28
427	5,494.20	3.78	66.58
428	5,494.80	7.55	66.31
429	5,495.00	7.55	66.23
440	5,490.50	83.06	71.64
497	5,525.90	3.78	59.59
502	5,539.50	0	82.98
510	5,539.00	0	83.37
517	5,555.00	3.78	77.28
530	5,567.00	9.44	75.34
531	5,574.00	52.86	73.12
532	5,565.50	22.65	73.86
533	5,574.10	11.33	70.14
534	5,575.90	7.55	69.36
536	5,576.20	7.55	69.23
537	5,575.00	11.33	69.75
538	5,576.30	11.33	69.2
539	5,573.70	7.55	70.33
541	5,576.00	0	70.15
546	5,595.00	3.78	62.25
550	5,589.50	7.55	64.63
553	5,551.00	7.55	82.7
555	5,576.10	22.65	72.68
559	5,616.50	0	54.14
562	5,622.50	3.78	52.53
568	5,600.50	3.78	60.24
569	5,594.80	0	62.66
570	5,591.70	0	63.83
572	5,649.50	0	42.54
575	5,606.00	757.02	52.48
579	5,674.10	0	32.57
580	5,701.70	0	21.29
583	5,761.00	0	94.75
584	5,910.00	0	30.29
585	5,492.20	0	68.73
586	5,492.20	3.78	68.66
587	5,493.00	9.44	68.27
588	5,495.00	9.44	67.34
589	5,496.10	9.44	66.81
594	5,572.22	5.66	70.86
605	5,498.60	0	66.01
606	5,496.50	0	66.86
607	5,495.80	0	67.11
608	5,493.90	0	67.9
609	5,494.10	0	67.81
610	5,496.00	0	66.95
611	5,499.90	0	65.23
612	5,499.90	0	65.2
613	5,502.20	92.5	64.17
614	5,495.90	0	67.07
615	5,498.00	0	66.15
616	5,497.50	0	66.36
617	5,501.00	0	64.81
618	5,503.50	92.5	63.7
657	5,481.00	0	70.89
658	5,618.00	0	48.36
659	5,692.80	0	114.59
660	5,591.00	79.29	55.86
661	5,755.00	0	87.68

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
662	5,602.00	0	52.97
663	5,620.00	0	59.56
664	5,601.00	0	51.02
665	5,711.00	0	106.72
666	5,809.00	0	67.54
667	5,752.00	0	89.39
668	5,888.00	0	36.99
669	5,733.00	0	106.87
670	5,733.00	0	69.56
671	5,733.00	0	95.59
672	5,733.00	0	69.56
673	5,733.00	0	69.56
674	5,733.00	0	69.56
675	5,733.00	0	69.43
676	5,708.00	0	78.94
678	5,534.00	0	84.48
679	5,547.50	0	55.62
680	5,501.00	0	86.14
681	5,499.50	15.1	85.87
682	5,742.76	0	102.64
683	5,490.00	0	64.1
684	5,501.00	113.27	63.64
685	5,505.00	113.27	62.72
688	5,478.00	672.13	68.74
689	5,467.00	526.7	62.89
690	5,468.00	0	62.55
691	5,468.00	0	62.65
692	5,467.00	526.7	63.14
693	5,473.00	541.81	63.36
694	5,496.00	541.81	64.59
695	5,468.00	205.54	63.61
696	5,451.00	672.13	68.75
697	5,450.00	0	69.48
698	5,450.00	672.13	70.19
699	5,455.00	672.13	67.29
700	5,468.00	541.81	63.97
701	5,457.00	672.13	66.17
702	5,455.00	725.06	67.01
703	5,471.00	725.06	60.81
1001	5,715.02	0	16.18
1012	5,730.81	0	10.01
1013	5,728.89	0	10.72
1015	5,722.46	0	13.18
1016	5,719.76	0	14.27
1021	5,646.25	0	43.41
1023	5,645.30	5.66	44.25
1025	5,630.94	0	50.08
1026	5,628.31	0	50.86
1028	5,623.80	0	53
1031	5,619.18	0	54.61
1038	5,723.95	0	69.97
1040	5,720.12	0	71.17
1041	5,735.01	0	61.64
1044	5,732.26	3.78	59.16
1045	5,713.52	0	63.63

Alternative #2 Peak Day Continued

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1168	5,497.65	0	72.32
1171	5,490.74	0	74.86
1172	5,485.66	0	76.6
1175	5,483.67	0	77
1176	5,482.81	0	76.92
1178	5,482.76	0	76.8
1181	5,517.96	3.78	88.58
1183	5,517.32	5.66	88.86
1185	5,529.22	11.33	84
1186	5,528.96	9.44	85.82
1187	5,540.30	9.44	81.29
1188	5,545.44	11.33	79.06
1190	5,552.91	9.44	75.83
1193	5,559.89	9.44	73.98
1194	5,560.32	7.55	73.93
1196	5,585.51	9.44	63.93
1207	5,623.34	7.55	46.63
1208	5,623.23	3.78	46.74
1210	5,635.34	11.33	41.43
1214	5,640.67	7.55	39.13
1217	5,648.85	9.44	35.59
1218	5,620.16	11.33	48.38
1222	5,622.27	0	47.4
1228	5,622.78	0	47.74
1229	5,624.15	11.33	47.22
1235	5,642.50	15.1	96.39
1237	5,664.45	11.33	86.89
1239	5,675.92	0	81.93
1245	5,694.52	0	73.89
1246	5,705.88	0	68.98
1247	5,693.31	0	67.78
1249	5,710.49	26.43	17.77
1250	5,636.98	26.43	46.58
1253	5,627.55	16.99	50.26
1263	5,602.42	7.55	60.14
1264	5,604.33	13.21	59.46
1266	5,594.70	7.55	61.86
1268	5,593.62	11.33	62.33
1269	5,572.18	5.66	71.06
1270	5,572.59	5.66	70.93
1272	5,563.16	9.44	73.53
1275	5,585.35	7.55	66.46
1278	5,562.75	9.44	75.06
1280	5,545.49	0	81.41
1281	5,543.70	7.55	82.04
1286	5,535.54	7.55	84.02
1293	5,531.00	11.33	86.87
1294	5,527.48	13.21	86.68
1297	5,526.00	0	80.46
1299	5,519.33	16.99	63.04
1300	5,511.20	16.99	66.14
1302	5,503.49	16.99	69.08
1304	5,497.32	16.99	71.43
1309	5,493.87	7.55	71.81
1311	5,491.63	7.55	71.88
1312	5,490.86	5.66	71.46
1317	5,489.14	7.55	71.18
1319	5,489.12	3.78	70.29
1320	5,488.87	43.42	69.72
1321	5,488.56	7.55	69.6
1322	5,489.42	0	69.05
1323	5,489.60	3.78	67.76
1326	5,489.66	11.33	66.51
1327	5,489.65	0	65.57
1328	5,490.12	0	65.39
1329	5,490.18	96.28	65.22
1330	5,486.58	0	66.56
1332	5,486.45	0	66.6
1333	5,486.10	5.66	66.26
1334	5,485.34	3.78	66.44
1336	5,487.02	7.55	65.67
1339	5,490.89	7.55	63.88
1341	5,483.18	15.1	67.21
1343	5,483.86	5.66	66.79
1345	5,482.08	9.44	67.45
1346	5,481.40	9.44	67.75
1347	5,481.25	0	67.64
1349	5,480.23	7.55	68.06
1351	5,479.74	11.33	68.27
1352	5,479.56	7.55	69.95
1355	5,485.16	7.55	66.37
1357	5,486.41	7.55	65.85
1359	5,486.72	5.66	65.71
1361	5,485.70	7.55	66.16
1363	5,486.99	5.66	65.62
1366	5,487.90	7.55	65.25
1368	5,489.33	5.66	64.63
1369	5,489.31	5.66	64.64
1371	5,487.85	7.55	66.01
1373	5,490.39	100.05	64.54
1378	5,490.91	16.99	63.68
1379	5,490.73	0	63.74
1381	5,491.97	3.78	63.03
1382	5,489.94	7.55	63.8
1384	5,488.54	3.78	64.35
1386	5,487.14	0	64.93
1389	5,484.38	0	66.05
1390	5,486.29	0	65.23
1394	5,484.22	101.94	66.11
1396	5,485.63	0	65.5
1399	5,485.06	0	65.74
1401	5,484.03	101.94	66.17
1403	5,487.97	0	64.48
1405	5,488.61	0	64.21
1407	5,485.39	0	65.61
1409	5,484.57	101.94	65.94
1413	5,487.34	0	64.8
1414	5,489.69	0	63.84
1416	5,492.39	0	62.72
1418	5,492.31	0	62.76

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1419	5,491.67	11.33	63.06
1421	5,492.39	15.1	62.74
1424	5,494.90	15.1	61.65
1425	5,494.83	3.78	61.68
1433	5,496.64	5.66	60.9
1434	5,494.66	11.33	61.74
1436	5,492.75	11.33	62.55
1437	5,492.37	0	62.71
1438	5,492.93	3.78	62.47
1440	5,492.77	3.78	62.53
1442	5,494.00	0	61.97
1443	5,494.47	5.66	61.75
1446	5,493.75	7.55	62.02
1447	5,494.64	0	61.68
1450	5,495.57	11.33	61.32
1451	5,495.59	11.33	61.33
1452	5,492.39	11.33	62.71
1459	5,496.48	7.55	60.98
1464	5,499.38	7.55	59.8
1467	5,497.66	11.33	60.49
1470	5,492.71	11.33	62.38
1471	5,494.19	15.1	61.87
1474	5,497.40	11.33	60.76
1476	5,499.21	7.55	60.14
1480	5,499.91	77.4	60.44
1485	5,501.35	77.4	60.88
1487	5,503.34	77.4	61.43
1489	5,504.41	77.4	61.77
1490	5,492.46	541.81	62.38
1493	5,493.53	541.81	61.9
1494	5,494.32	541.81	61.63
1497	5,495.09	541.81	61.64
1498	5,496.36	541.81	61.92
1500	5,497.86	541.81	62.78
1504	5,495.95	0	69.58
1507	5,488.97	7.55	69.69
1509	5,492.61	0	68.64
1512	5,491.51	5.66	69.03
1516	5,493.53	7.55	68.61
1518	5,498.29	15.1	66.47
1521	5,497.13	9.44	66.87
1522	5,496.86	9.44	67.8
1524	5,495.92	15.1	68.16
1526	5,495.79	0	68.21
1529	5,498.15	11.33	68.09
1530	5,498.84	15.1	67.57
1532	5,498.93	9.44	67.4
1534	5,499.62	0	66.71
1536	5,502.69	0	64.93
1539	5,498.01	86.84	66.68
1541	5,497.94	0	66.75
1543	5,497.87	0	66.42
1548	5,494.02	0	68.04
1562	5,493.17	0	68.24
1576	5,499.93	0	65.21
1581	5,498.57	94.39	67.35
1582	5,502.83	9.44	65.59
1585	5,500.59	15.1	66.68
1586	5,497.51	13.21	68.43
1588	5,495.61	7.55	69.46
1590	5,493.85	9.44	70.41
1592	5,492.26	9.44	71.37
1593	5,494.14	15.1	71.39
1594	5,496.78	9.44	69.92
1596	5,498.23	9.44	69.04
1598	5,499.94	13.21	68.14
1599	5,504.69	15.1	65.73
1602	5,506.89	9.44	64.67
1604	5,508.69	94.39	63.81
1606	5,511.78	94.39	63.29
1607	5,509.62	3.78	64.3
1609	5,509.09	3.78	64.54
1610	5,508.13	13.21	65.04
1613	5,504.52	13.21	66.93
1615	5,502.59	13.21	67.93
1617	5,501.12	11.33	68.78
1619	5,498.02	13.21	70.84
1620	5,504.33	11.33	68.52
1621	5,507.07	11.33	66.83
1622	5,508.58	11.33	66.02
1625	5,508.71	13.21	65.82
1626	5,512.10	13.21	64.06
1627	5,513.69	7.55	63.29
1628	5,513.93	3.78	63.19
1630	5,516.65	94.39	61.93
1632	5,520.17	7.55	61.16
1634	5,521.94	86.84	60.38
1635	5,517.60	0	62.28
1636	5,518.30	3.78	62.05
1637	5,517.79	7.55	62.28
1638	5,516.36	11.33	62.96
1639	5,515.35	11.33	63.64
1640	5,515.31	5.66	63.79
1641	5,514.65	0	64.07
1642	5,515.64	7.55	63.62
1643	5,514.73	11.33	64.14
1644	5,511.30	13.21	65.95
1645	5,521.91	7.55	61.9
1647	5,524.35	7.55	60.63
1648	5,526.43	7.55	59.69
1649	5,526.58	7.55	59.6
1650	5,524.47	0	60.53
1651	5,527.81	11.33	58.99
1652	5,526.51	11.33	59.38
1653	5,525.63	7.55	59.71
1654	5,526.02	0	59.54
1655	5,525.29	0	59.77
1656	5,526.24	94.39	59.36
1658	5,538.65	7.55	83.44
1659	5,538.78	11.33	83.5

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1660	5,536.09	7.55	84.85
1662	5,536.72	86.84	84.62
1664	5,564.02	16.99	76.18
1666	5,550.77	24.54	80.38
1668	5,543.22	3.78	82.42
1670	5,543.77	24.54	82.21
1673	5,548.16	5.66	80.21
1674	5,553.86	94.39	77.69
1676	5,551.07	5.66	78.96
1677	5,553.08	0	78.09
1678	5,553.67	5.66	77.84
1679	5,554.70	7.55	77.39
1680	5,557.10	11.33	76.35
1681	5,556.10	11.33	76.8
1683	5,553.92	0	77.75
1684	5,555.33	7.55	77.14
1685	5,552.33	5.66	78.44
1687	5,548.20	7.55	80.23
1688	5,534.01	15.1	85.36
1690	5,537.76	7.55	83.74
1691	5,539.24	3.78	83.1
1693	5,539.92	7.55	82.8
1694	5,546.89	0	80.25
1695	5,541.23	11.33	82.24
1696	5,539.66	11.33	82.95
1697	5,538.50	0	83.47
1698	5,538.62	7.55	83.42
1704	5,572.22	0	70.98
1705	5,574.12	5.66	70.21
1710	5,573.21	0	70.52
1714	5,588.86	9.44	64.93
1715	5,596.33	9.44	61.68
1716	5,594.61	7.55	62.42
1717	5,594.99	9.44	62.26
1718	5,597.59	11.33	61.13
1719	5,593.18	11.33	63.04
1720	5,576.04	3.78	70.46
1722	5,571.16	9.44	72.65
1723	5,559.63	9.44	78.23
1724	5,552.64	3.78	82.14
1726	5,629.27	3.78	48.26
1727	5,619.24	3.78	52.31
1728	5,621.30	7.55	51.83
1729	5,618.87	11.33	53.5
1732	5,617.		

Alternative #2 Peak Day Continued

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1916	5,525.90	7.55	60.09
1917	5,525.19	11.33	60.1
1918	5,523.31	0	60.59
1919	5,523.65	11.33	60.43
1921	5,522.40	9.44	60.71
1923	5,520.37	9.44	61.43
1924	5,519.21	11.33	61.91
1925	5,519.54	54.75	61.75
1926	5,521.96	7.55	61.08
1927	5,548.93	1,075.12	71.13
1928	5,572.71	707.93	64.47
2619	5,885.63	0	40.83
2621	5,808.21	0	74.33
2622	5,763.08	0	84.19
2626	5,742.76	0	92.98
2629	5,713.54	0	105.62
2630	5,762.27	0	84.54
2633	5,767.94	0	82.08
2634	5,674.83	0	122.37
3470	5,519.00	11.33	61.92
3620	5,515.00	11.33	62.74
6590	5,595.50	79.29	53.76
6610	5,614.00	79.29	47.25
6640	5,898.00	0	33.09

Alternative #2 Peak Instantaneous

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
3	5,551.20	1,609.02	28.51
5	5,556.50	139.91	34.46
6	5,568.50	139.91	29.27
7	5,577.00	0	25.59
8	5,547.80	13.99	43.47
10	5,547.50	20.99	50.73
11	5,559.00	3.5	49.26
12	5,566.00	0	48.07
15	5,597.90	139.91	44.16
17	5,646.85	0	41.47
21	5,675.00	3.5	43.26
24	5,714.80	0	25.22
26	5,717.20	17.49	24
30	5,742.80	7	12.9
32	5,744.70	0	12.08
36	5,739.90	3.5	14.27
38	5,725.75	7	20.45
40	5,694.80	10.49	53.1
41	5,699.80	0	57.59
42	5,701.80	0	59.27
43	5,706.90	10.49	58.03
44	5,710.00	7	57.58
46	5,715.75	13.99	57.61
47	5,733.00	7	53.33
49	5,723.90	0	61.75
51	5,720.85	0	69.58
54	5,709.00	0	62.77
61	5,603.00	0	55.7
102	5,542.50	20.99	60.19
103	5,543.80	20.99	64.43
104	5,547.80	20.99	70.7
105	5,548.60	10.49	70.99
109	5,635.50	7	38.79
118	5,547.30	10.49	71.03
123	5,682.75	13.99	43.95
128	5,673.40	17.49	40.12
142	5,635.90	10.49	36.08
143	5,635.00	7	36.47
144	5,621.90	10.49	41.92
146	5,567.50	24.49	64.89
147	5,579.00	0	60.93
148	5,579.50	10.49	60.83
149	5,581.90	13.99	60.45
150	5,587.10	7	57.54
151	5,616.70	17.49	43.81
152	5,623.30	0	42.64
156	5,675.80	0	77.08
158	5,677.00	0	76.56
159	5,690.50	0	70.73
160	5,687.00	0	72.24
161	5,693.70	48.97	69.34
164	5,539.00	0	66.21
165	5,528.20	13.99	70.54
167	5,517.90	17.49	74.62
169	5,511.50	13.99	77.2
175	5,517.00	0	78.24
176	5,527.00	17.49	77.22
179	5,552.10	0	69.01
186	5,624.20	7	43.02
187	5,627.00	0	43.55
192	5,595.00	7	56.97
193	5,627.00	13.99	46.39
194	5,626.10	0	45.95
196	5,565.50	7	66.06
199	5,570.10	10.49	66.27
200	5,573.20	10.49	65.21
201	5,581.10	7	62.05
202	5,515.60	0	78.85
205	5,529.50	0	76.08
209	5,482.00	1,086.75	50.14
210	5,480.00	10.49	51.61
211	5,481.50	10.49	51.05
213	5,483.00	13.99	50.53
222	5,490.50	178.39	49.09
239	5,491.00	0	48.33
260	5,496.00	0	41.38
277	5,503.00	143.41	42.33
282	5,519.50	0	51.11
283	5,520.00	0	51
285	5,520.50	0	50.88
286	5,520.00	13.99	51.12
287	5,521.10	0	50.73
289	5,521.80	0	50.59
290	5,522.50	0	50.38
291	5,523.00	0	50.25
292	5,523.00	0	50.37
293	5,522.80	0	50.44
294	5,521.90	0	50.82
299	5,525.00	0	50.08
300	5,525.80	0	49.86
303	5,527.00	0	49.84
304	5,527.80	0	49.76
308	5,531.00	0	49.43
309	5,530.00	13.99	49.4
313	5,537.00	17.49	47.24
314	5,537.80	202.88	46.82
325	5,530.00	27.98	51.77
326	5,536.50	17.49	48.23
327	5,539.54	13.99	46.77
328	5,543.20	7	45
329	5,541.50	13.99	45.6
330	5,538.50	0	46.78
331	5,533.20	17.49	48.9
332	5,529.00	13.99	50.57
333	5,527.90	13.99	50.89
334	5,525.80	34.98	50.23
335	5,525.80	17.49	48.19
336	5,530.50	13.99	45.61
337	5,526.10	20.99	47.28
338	5,522.80	13.99	48.4

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
339	5,521.00	13.99	49.06
340	5,520.70	0	49.17
341	5,518.20	13.99	50.01
342	5,519.00	10.49	49.92
343	5,519.60	13.99	49.9
344	5,519.20	31.48	50.15
345	5,521.90	24.49	49.21
346	5,525.50	24.49	48.25
348	5,516.80	13.99	49.82
349	5,516.40	13.99	49.18
350	5,516.20	17.49	49.23
351	5,511.90	31.48	50.09
352	5,510.50	31.48	50.08
353	5,506.20	24.49	50.18
354	5,506.20	10.49	50.06
355	5,505.80	7	49.96
356	5,505.70	10.49	49.95
357	5,504.90	31.48	50.64
358	5,507.50	27.98	50.78
359	5,510.90	31.48	50.48
360	5,513.20	24.49	50.42
361	5,518.00	20.99	49.99
363	5,512.90	20.99	49.97
364	5,510.00	31.48	50.36
365	5,508.20	27.98	49.97
366	5,507.00	7	50.13
379	5,574.10	104.94	39.26
383	5,548.10	0	51
385	5,538.80	0	50.02
387	5,541.80	0	53.72
390	5,550.50	0	49.06
392	5,496.20	7	48.61
396	5,499.00	181.89	47.39
399	5,505.80	7	44.47
400	5,504.20	10.49	45.3
403	5,507.00	13.99	44.2
404	5,506.20	13.99	44.65
405	5,504.10	13.99	45.58
408	5,502.80	13.99	46.19
409	5,501.00	13.99	46.95
410	5,500.50	13.99	47.16
411	5,500.25	0	47.26
412	5,500.80	0	46.98
415	5,501.10	13.99	46.67
417	5,503.10	10.49	45.79
418	5,502.90	10.49	45.88
419	5,499.50	13.99	47.69
420	5,498.20	13.99	48.49
421	5,496.20	13.99	49.11
422	5,494.60	7	49.52
425	5,496.20	10.49	48.74
426	5,497.20	7	48.3
427	5,494.20	7	49.6
428	5,494.80	13.99	49.29
429	5,495.00	13.99	49.2
440	5,490.50	153.91	64.19
497	5,525.90	7	57.54
502	5,539.50	0	71.47
510	5,539.00	0	71.88
517	5,555.00	7	67.43
530	5,567.00	17.49	68.81
531	5,574.00	97.94	67.6
532	5,565.50	41.97	65.92
533	5,574.10	20.99	62.02
534	5,575.90	13.99	61.16
536	5,576.20	13.99	61.03
537	5,575.00	20.99	61.53
538	5,576.30	20.99	60.96
539	5,573.70	13.99	62.09
541	5,576.00	0	62.92
546	5,595.00	7	55.59
550	5,589.50	13.99	57.82
553	5,551.00	13.99	77.01
555	5,576.10	41.97	67.73
559	5,616.50	0	48.97
562	5,622.50	7	47.99
568	5,600.50	7	53.81
569	5,594.80	0	56.17
570	5,591.70	0	57.16
572	5,649.50	0	39.57
575	5,606.00	1,402.65	38.66
579	5,674.10	0	30.4
580	5,701.70	0	19.91
583	5,761.00	0	94.75
584	5,910.00	0	30.29
585	5,492.20	0	56.91
586	5,492.20	7	56.52
587	5,493.00	17.49	55.9
588	5,495.00	17.49	54.65
589	5,496.10	17.49	53.87
594	5,572.22	10.49	62.42
605	5,498.60	0	53.52
606	5,496.50	0	54.24
607	5,495.80	0	54.37
608	5,493.90	0	55.08
609	5,494.10	0	54.99
610	5,496.00	0	54.05
611	5,499.90	0	52.25
612	5,499.90	0	52.14
613	5,502.20	171.4	51.06
614	5,495.90	0	54.33
615	5,498.00	0	53.4
616	5,497.50	0	53.58
617	5,501.00	0	51.97
618	5,503.50	171.4	50.79
657	5,481.00	0	55.14
658	5,618.00	0	43.31
659	5,692.80	0	110.76
660	5,591.00	146.91	50.33
661	5,755.00	0	83.85

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
662	5,602.00	0	47.51
663	5,820.00	0	55.73
664	5,601.00	0	45.55
665	5,711.00	0	102.88
666	5,809.00	0	64.99
667	5,752.00	0	85.73
668	5,888.00	0	35.87
669	5,733.00	0	106.87
670	5,733.00	0	69.56
671	5,733.00	0	91.12
672	5,733.00	0	69.56
673	5,733.00	0	69.56
674	5,733.00	0	69.56
675	5,733.00	0	69.38
676	5,708.00	0	78.37
678	5,534.00	0	75.04
679	5,547.50	0	51.28
680	5,501.00	0	75.09
681	5,499.50	27.98	74.62
682	5,742.76	0	102.64
683	5,490.00	0	45.94
684	5,501.00	209.87	46.54
685	5,505.00	209.87	45.9
688	5,478.00	1,086.75	51.09
689	5,467.00	975.91	54.6
690	5,468.00	0	54.07
691	5,468.00	0	53.97
692	5,467.00	975.91	54.35
693	5,473.00	1,003.89	52.26
694	5,496.00	1,003.89	52.4
695	5,468.00	407.46	53.86
696	5,451.00	1,086.75	58.44
697	5,450.00	0	64.33
698	5,450.00	1,086.75	59.19
699	5,455.00	1,086.75	56.68
700	5,468.00	1,003.89	53.85
701	5,457.00	1,086.75	55.69
702	5,455.00	1,172.33	58.15
703	5,471.00	1,172.33	55
1001	5,715.02	0	15.51
1012	5,730.81	0	9.98
1013	5,728.89	0	10.58
1015	5,722.46	0	12.73
1016	5,719.76	0	13.72
1021	5,646.25	0	40.04
1023	5,645.30	10.49	41.14
1025	5,630.94	0	46.52
1026	5,629.31	0	47
1028	5,623.80	0	49.23
1031	5,619.18	0	50.36
1038	5,723.95	0	68.58
1040	5,720.12	0	69.6
1041	5,735.01	0	58.84
1044	5,732.26	7	54.89
1045			

Alternative #2 Peak Instantaneous Continued

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1168	5,497.65	0	71.4
1171	5,490.74	0	73.15
1172	5,485.66	0	74.1
1175	5,483.67	0	73.72
1176	5,482.81	0	72.84
1178	5,482.76	0	72.49
1181	5,517.96	7	77.89
1183	5,517.32	10.49	78.22
1185	5,529.22	20.99	73.3
1186	5,528.96	17.49	76.61
1187	5,540.30	17.49	73
1188	5,545.44	20.99	70.76
1190	5,552.91	17.49	67.52
1193	5,559.89	17.49	67.24
1194	5,560.32	13.99	67.24
1196	5,585.51	17.49	58.79
1207	5,623.34	13.99	41.54
1208	5,623.23	7	41.65
1210	5,635.34	20.99	36.33
1214	5,640.67	13.99	34.01
1217	5,648.85	17.49	30.47
1218	5,620.16	20.99	43.29
1222	5,622.27	0	42.32
1228	5,622.78	0	42.78
1229	5,624.15	20.99	42.27
1235	5,642.50	27.98	91.47
1237	5,664.45	20.99	81.98
1239	5,675.92	0	77.02
1245	5,694.52	0	69
1246	5,705.88	0	64.11
1247	5,693.31	0	60.39
1249	5,710.49	48.97	16.72
1250	5,636.98	48.97	43.18
1253	5,627.55	31.48	46.56
1263	5,602.42	13.99	55.75
1264	5,604.33	24.49	55.03
1266	5,594.70	13.99	57.06
1268	5,593.62	20.99	57.49
1269	5,572.18	10.49	65.24
1270	5,572.59	10.49	65.14
1272	5,563.16	17.49	67.14
1275	5,585.35	13.99	60.39
1278	5,562.75	17.49	67.29
1280	5,545.49	0	72.08
1281	5,543.70	13.99	72.54
1286	5,535.54	13.99	74.56
1293	5,531.00	20.99	75.91
1294	5,527.48	24.49	75.93
1297	5,526.00	0	60.22
1299	5,519.33	31.48	62.26
1300	5,511.20	31.48	64.6
1302	5,503.49	31.48	66.85
1304	5,497.32	31.48	68.63
1309	5,493.87	13.99	67.1
1311	5,491.63	13.99	65.66
1312	5,490.86	10.49	63.98
1317	5,489.14	13.99	62.07
1319	5,489.12	7	59.84
1320	5,488.87	80.45	58.34
1321	5,488.56	13.99	57.85
1322	5,489.42	0	57.07
1323	5,489.60	0	54.26
1326	5,489.66	20.99	51.47
1327	5,489.65	0	49.38
1328	5,490.12	0	49.21
1329	5,490.18	178.39	48.78
1330	5,486.58	0	50.25
1332	5,486.45	0	50.29
1333	5,486.10	10.49	49.78
1334	5,485.34	7	49.91
1336	5,487.02	13.99	49.13
1339	5,490.89	13.99	47.32
1341	5,483.18	27.98	50.66
1343	5,483.86	10.49	50.25
1345	5,482.08	17.49	50.93
1346	5,481.40	17.49	51.22
1347	5,481.25	0	51.17
1349	5,480.23	13.99	51.59
1351	5,479.74	20.99	51.8
1352	5,479.56	13.99	53.89
1355	5,485.16	13.99	49.81
1357	5,486.41	13.99	49.29
1359	5,486.72	10.49	49.15
1361	5,485.70	13.99	49.59
1363	5,486.99	10.49	49.06
1366	5,487.90	13.99	48.69
1368	5,489.33	10.49	48.08
1369	5,489.31	10.49	48.08
1371	5,487.85	13.99	49.69
1373	5,490.39	185.39	47.23
1378	5,490.91	31.48	45.4
1379	5,490.73	0	45.39
1381	5,491.97	7	43.97
1382	5,489.94	13.99	44.44
1384	5,488.54	7	44.84
1386	5,487.14	0	45.34
1389	5,484.38	0	46.27
1390	5,486.29	0	45.44
1394	5,484.22	188.89	46.3
1396	5,485.63	0	45.66
1399	5,485.06	0	45.9
1401	5,484.03	188.89	46.3
1403	5,487.97	0	44.64
1405	5,488.61	0	44.36
1407	5,485.39	0	45.76
1409	5,484.57	188.89	46.07
1413	5,487.34	0	45.01
1414	5,489.69	0	44.13
1416	5,492.39	0	43.06
1418	5,492.31	0	43.16

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1419	5,491.67	20.99	43.51
1421	5,492.39	27.98	43.12
1424	5,494.90	27.98	41.93
1425	5,494.83	7	41.92
1433	5,496.64	10.49	41.1
1434	5,494.66	20.99	41.93
1436	5,492.75	20.99	42.75
1437	5,492.37	0	42.91
1438	5,492.93	7	42.67
1440	5,492.77	7	42.75
1442	5,494.00	0	42.12
1443	5,494.47	10.49	41.85
1446	5,493.75	13.99	41.96
1447	5,494.64	0	41.69
1450	5,495.57	20.99	41.42
1451	5,495.59	20.99	41.5
1452	5,492.39	20.99	42.87
1459	5,496.48	13.99	41.17
1464	5,499.38	13.99	39.94
1467	5,497.66	20.99	40.6
1470	5,492.71	20.99	42.07
1471	5,494.19	27.98	41.64
1474	5,497.40	20.99	40.73
1476	5,499.21	13.99	40.23
1480	5,499.91	143.41	40.65
1485	5,501.35	143.41	41.52
1487	5,503.34	143.41	42.89
1489	5,504.41	143.41	43.88
1490	5,492.46	1,003.89	41.88
1493	5,493.53	1,003.89	41.38
1494	5,494.32	1,003.89	41.26
1497	5,495.09	1,003.89	42.07
1498	5,496.36	1,003.89	44.23
1500	5,497.86	1,003.89	48.4
1504	5,495.95	0	63.06
1507	5,488.97	13.99	58.03
1509	5,492.61	0	57.2
1512	5,491.51	10.49	57.54
1516	5,493.53	13.99	58.05
1518	5,498.29	27.98	55.92
1521	5,497.13	17.49	56.38
1522	5,496.86	17.49	58.52
1524	5,495.92	27.98	58.68
1526	5,495.79	0	58.64
1529	5,498.15	20.99	59.14
1530	5,498.84	27.98	60.11
1532	5,498.93	17.49	58.62
1534	5,499.62	0	58.96
1536	5,502.69	0	54.05
1539	5,498.01	160.9	55.11
1541	5,497.94	0	55.28
1543	5,497.87	0	54.14
1548	5,494.02	0	55.67
1562	5,493.17	0	55.49
1576	5,499.93	0	52.23
1581	5,498.57	174.89	57.66
1582	5,502.83	17.49	56.07
1585	5,500.59	27.98	57.45
1586	5,497.51	24.49	60.19
1588	5,495.61	13.99	61.7
1590	5,493.85	17.49	63.05
1592	5,492.26	17.49	64.61
1593	5,494.14	27.98	65.04
1594	5,496.78	17.49	63.89
1596	5,498.23	17.49	62.51
1598	5,499.94	24.49	61.23
1599	5,504.69	27.98	58.05
1602	5,506.89	17.49	56.75
1604	5,508.69	174.89	55.71
1606	5,511.78	174.89	56.7
1607	5,509.62	7	57.89
1609	5,509.09	7	58.13
1610	5,508.13	24.49	58.82
1613	5,504.52	24.49	61.41
1615	5,502.59	24.49	62.76
1617	5,501.12	20.99	64.04
1619	5,498.02	24.49	67.47
1620	5,504.33	20.99	65.88
1621	5,507.07	20.99	63.2
1622	5,508.58	20.99	62.09
1625	5,508.71	24.49	61.57
1626	5,512.10	24.49	59.2
1627	5,513.69	13.99	58.27
1628	5,513.93	7	58.15
1630	5,516.65	174.89	56.72
1632	5,520.17	13.99	57.38
1634	5,521.94	160.9	56.55
1635	5,517.60	0	58.52
1636	5,518.30	7	58.45
1637	5,517.79	13.99	58.68
1638	5,516.36	20.99	59.5
1639	5,515.35	20.99	60.69
1640	5,515.31	10.49	61.11
1641	5,514.65	0	61.38
1642	5,515.64	13.99	60.87
1643	5,514.73	20.99	61.64
1644	5,511.30	24.49	64.12
1645	5,521.91	13.99	60.75
1647	5,524.35	13.99	59.37
1648	5,526.43	13.99	58.33
1649	5,526.58	13.99	58.19
1650	5,524.47	0	59.16
1651	5,527.81	20.99	57.43
1652	5,526.51	20.99	57.45
1653	5,525.63	13.99	57.69
1654	5,526.02	0	57.51
1655	5,525.29	0	57.57
1656	5,526.24	174.89	57.16
1658	5,538.65	13.99	71.87
1659	5,538.78	20.99	72.03

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1660	5,536.09	13.99	73.57
1662	5,536.72	160.9	73.38
1664	5,564.02	31.48	69.08
1666	5,550.77	45.47	71.44
1668	5,543.22	7	72.11
1670	5,543.77	45.47	71.9
1673	5,548.16	10.49	69.88
1674	5,553.86	174.89	67.23
1676	5,551.07	10.49	68.7
1677	5,553.08	0	67.92
1678	5,553.67	10.49	67.65
1679	5,554.70	13.99	67.22
1680	5,557.10	20.99	66.22
1681	5,556.10	20.99	66.83
1683	5,553.92	0	67.89
1684	5,555.33	13.99	67.26
1685	5,552.33	10.49	68.72
1687	5,548.20	13.99	70.7
1688	5,534.01	27.98	74.29
1690	5,537.76	13.99	72.43
1691	5,539.24	7	71.61
1693	5,539.92	13.99	71.29
1694	5,546.89	0	69.52
1695	5,541.23	20.99	70.71
1696	5,539.66	20.99	71.38
1697	5,538.50	0	71.89
1698	5,538.62	13.99	71.83
1704	5,572.22	0	62.73
1705	5,574.12	10.49	62.02
1710	5,573.21	0	62.32
1714	5,588.86	17.49	58.69
1715	5,596.33	17.49	55.11
1716	5,594.61	13.99	55.78
1717	5,594.99	17.49	55.58
1718	5,597.59	20.99	54.39
1719	5,593.18	20.99	56.24
1720	5,576.04	7	63.64
1722	5,571.16	17.49	66.05
1723	5,559.63	17.49	71.93
1724	5,552.64	7	76.59
1726	5,629.27	7	42.36
1727	5,619.24	7	46.08
1728	5,621.30	13.99	46.07

Alternative #2 Peak Instantaneous Continued

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1916	5,525.90	13.99	50.05
1917	5,525.19	20.99	49.94
1918	5,523.31	0	50.31
1919	5,523.65	20.99	50.14
1921	5,522.40	17.49	50.29
1923	5,520.37	17.49	50.92
1924	5,519.21	20.99	51.13
1925	5,519.54	101.44	50.74
1926	5,521.96	13.99	50.79
1927	5,548.93	2,131.35	50.74
1928	5,572.71	1,311.70	47.9
2619	5,885.63	0	40.83
2621	5,808.21	0	74.33
2622	5,763.08	0	80.35
2626	5,742.76	0	89.15
2629	5,713.54	0	101.79
2630	5,762.27	0	80.7
2633	5,767.94	0	78.25
2634	5,674.83	0	118.54
3470	5,519.00	20.99	50.11
3620	5,515.00	20.99	49.98
6590	5,595.50	146.91	48.23
6610	5,614.00	146.91	41.74
6640	5,898.00	0	32.14

Fire Flow Alternative #2

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
3	TRUE	30.33
5	TRUE	37.64
6	TRUE	32.44
7	FALSE	29.76
8	TRUE	47.13
10	TRUE	55.03
11	TRUE	53.89
12	TRUE	52.86
15	TRUE	49.59
17	TRUE	56.43
21	TRUE	56.97
24	FALSE	39.49
26	FALSE	38.39
30	FALSE	27.31
32	FALSE	26.49
36	FALSE	28.6
38	FALSE	34.74
40	TRUE	62.29
41	TRUE	64.97
42	TRUE	65.95
43	TRUE	64.46
44	TRUE	63.77
46	TRUE	63.11
47	TRUE	57.95
49	TRUE	65.1
51	TRUE	71.07
54	TRUE	67.64
61	TRUE	60.05
102	TRUE	65.01
103	TRUE	69.54
104	TRUE	76.17
105	TRUE	76.48
109	TRUE	41.82
118	TRUE	76.71
123	TRUE	57.05
128	FALSE	58.04
142	TRUE	41.19
143	TRUE	41.58
144	TRUE	47
146	TRUE	70.12
147	TRUE	66.11
148	TRUE	66.01
149	TRUE	65.59
150	TRUE	62.72
151	TRUE	48.86
152	TRUE	47.59
156	TRUE	81.98
158	TRUE	81.47
159	TRUE	75.63
160	TRUE	77.14
161	TRUE	74.24
164	TRUE	76.8
165	TRUE	81.36
167	TRUE	85.7
169	TRUE	89.41
175	TRUE	88.93
176	TRUE	86.59
179	TRUE	76.52
186	TRUE	47.8
187	TRUE	47.96
192	TRUE	61.76
193	TRUE	50.18
194	TRUE	49.92
196	TRUE	71.98
199	TRUE	72.08
200	TRUE	71.13
201	TRUE	68.06
202	TRUE	89.53
205	TRUE	86.83
209	TRUE	66.21
210	TRUE	88
211	TRUE	67.52
213	TRUE	67.06
222	TRUE	65.26
239	TRUE	64.65
260	TRUE	61.18
277	TRUE	61.15
282	TRUE	61.79
283	TRUE	61.58
285	TRUE	61.37
286	TRUE	61.56
287	TRUE	61.19
289	TRUE	60.99
290	TRUE	60.75
291	TRUE	60.59
292	TRUE	60.67
293	TRUE	60.74
294	TRUE	61.11
299	TRUE	60.22
300	TRUE	59.97
303	TRUE	59.79
304	TRUE	59.62
308	TRUE	58.93
309	TRUE	59.05
313	TRUE	56.74
314	TRUE	56.37
325	TRUE	60.73
326	TRUE	57.56
327	TRUE	56.17
328	TRUE	54.49
329	TRUE	55.15
330	TRUE	56.38
331	TRUE	58.57
332	TRUE	60.29
333	TRUE	60.67
334	TRUE	60.7
335	TRUE	59.63
336	TRUE	57.32

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
337	TRUE	59.11
338	TRUE	60.36
339	TRUE	61.08
340	TRUE	61.19
341	TRUE	62.13
342	TRUE	61.88
343	TRUE	61.72
344	TRUE	61.89
345	TRUE	60.92
346	TRUE	59.73
348	TRUE	62.27
349	TRUE	62.06
350	TRUE	62.13
351	TRUE	63.5
352	TRUE	63.8
353	TRUE	64.73
354	TRUE	64.72
355	TRUE	64.7
356	TRUE	64.72
357	TRUE	65.26
358	TRUE	64.8
359	TRUE	63.92
360	TRUE	63.42
361	TRUE	62.16
363	TRUE	63.2
364	TRUE	64.02
365	TRUE	64.2
366	TRUE	64.53
379	TRUE	60.03
383	TRUE	71.43
385	TRUE	75.46
387	TRUE	74.16
390	TRUE	70.39
392	TRUE	65.7
396	TRUE	64.49
399	TRUE	61.56
400	TRUE	62.26
403	TRUE	61.06
404	TRUE	61.42
405	TRUE	62.33
408	TRUE	62.91
409	TRUE	63.68
410	TRUE	63.9
411	TRUE	64.01
412	TRUE	63.76
415	TRUE	63.6
417	TRUE	62.74
418	TRUE	62.82
419	TRUE	64.35
420	TRUE	64.97
421	TRUE	65.78
422	TRUE	66.42
425	TRUE	65.72
426	TRUE	65.28
427	TRUE	63.58
428	TRUE	66.31
429	TRUE	66.23
440	TRUE	71.64
497	TRUE	59.59
502	TRUE	82.98
510	TRUE	83.37
517	TRUE	77.28
530	TRUE	75.34
531	TRUE	73.12
532	TRUE	73.86
533	TRUE	70.14
534	TRUE	69.36
536	TRUE	69.23
537	TRUE	69.75
538	TRUE	69.2
539	TRUE	70.33
541	TRUE	70.15
546	TRUE	62.25
550	TRUE	64.63
553	TRUE	82.7
555	TRUE	72.68
559	TRUE	54.14
562	TRUE	52.53
568	TRUE	60.24
569	TRUE	62.66
570	TRUE	63.83
572	TRUE	42.54
575	TRUE	52.48
579	TRUE	32.57
580	FALSE	21.29
583	TRUE	94.75
584	TRUE	30.29
585	TRUE	68.73
586	TRUE	68.66
587	TRUE	68.27
588	TRUE	67.34
589	TRUE	66.81
594	TRUE	70.86
605	TRUE	66.01
606	TRUE	66.86
607	TRUE	67.11
608	TRUE	67.9
609	TRUE	67.81
610	TRUE	66.95
611	TRUE	65.23
612	TRUE	65.2
613	TRUE	64.17
614	TRUE	67.07
615	TRUE	66.15
616	TRUE	66.36
617	TRUE	64.81
618	TRUE	63.7
657	TRUE	70.89

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
658	TRUE	48.36
659	TRUE	114.59
660	TRUE	55.86
661	TRUE	87.89
662	TRUE	52.97
663	FALSE	59.56
664	TRUE	51.02
665	TRUE	106.72
666	TRUE	67.54
667	TRUE	89.39
668	TRUE	36.99
669	FALSE	106.87
670	TRUE	69.56
671	TRUE	95.59
672	TRUE	69.56
673	TRUE	69.56
674	TRUE	69.56
675	TRUE	69.43
676	TRUE	78.94
678	TRUE	84.48
679	TRUE	55.82
680	TRUE	86.14
681	TRUE	85.87
682	TRUE	102.64
683	TRUE	64.1
684	TRUE	63.64
685	TRUE	62.72
688	TRUE	68.74
689	TRUE	62.89
690	TRUE	62.55
691	TRUE	62.65
692	TRUE	63.14
693	TRUE	63.36
694	TRUE	64.59
695	TRUE	63.81
696	TRUE	68.75
697	TRUE	69.48
698	TRUE	73.19
699	TRUE	67.29
700	TRUE	63.97
701	TRUE	66.17
702	TRUE	67.01
703	TRUE	60.81
1001	FALSE	16.18
1012	FALSE	10.01
1013	FALSE	10.72
1015	FALSE	13.18
1016	FALSE	14.27
1021	TRUE	43.41
1023	TRUE	44.25
1025	TRUE	50.08
1026	TRUE	50.86
1028	TRUE	53
1031	TRUE	54.61
1038	TRUE	69.87
1040	TRUE	71.17
1041	TRUE	61.64
1044	TRUE	59.16
1045	TRUE	63.63
1049	TRUE	68.52
1051	TRUE	58.3
1052	TRUE	56.07
1054	TRUE	51.17
1055	FALSE	41.5
1057	FALSE	29.92
1058	FALSE	28.89
1060	FALSE	27.78
1061	FALSE	26.2
1063	FALSE	23.2
1064	FALSE	35.18
1065	FALSE	39.33
1067	FALSE	38.81
1070	FALSE	38.47
1071	TRUE	57.05
1073	TRUE	56.92
1078	TRUE	60.79
1080	TRUE	57.28
1081	TRUE	60.75
1084	TRUE	62.92
1089	TRUE	63.19
1093	TRUE	63.2
1094	FALSE	61.1
1096	FALSE	60.65
1097	TRUE	65.09
1100	TRUE	36.02
1103	TRUE	39.47
1104	TRUE	36.57
1106	TRUE	41.56
1109	TRUE	48.44
1111	TRUE	49.85
1115	TRUE	50.08
1116	TRUE	61.86
1118	TRUE	72.87
1125	TRUE	54.27
1128	TRUE	40.84
1129	TRUE	25.79
1132	TRUE	25.75
1139	TRUE	50.95
1140	TRUE	51.02
1142	TRUE	56.54
1146	TRUE	55.07
1147	TRUE	82.06
1148	TRUE	82.6
1149	TRUE	88.13
1152	TRUE	88.75
1153	TRUE	88.24
1154	TRUE	84.05
1156	TRUE	80.88

Fire Flow Alternative #2 Continued

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
1157	TRUE	78.59
1161	TRUE	78.15
1162	TRUE	76.21
1163	TRUE	82.63
1164	TRUE	88.21
1167	TRUE	68.51
1168	TRUE	72.32
1171	TRUE	74.86
1172	TRUE	76.6
1175	TRUE	77
1176	TRUE	76.92
1178	TRUE	75.8
1181	TRUE	88.59
1183	TRUE	88.86
1185	TRUE	84
1186	TRUE	85.82
1187	TRUE	81.29
1188	TRUE	79.06
1190	FALSE	75.83
1193	TRUE	73.98
1194	TRUE	73.93
1196	TRUE	63.93
1207	TRUE	46.63
1208	TRUE	46.74
1210	TRUE	41.43
1214	FALSE	39.13
1217	FALSE	35.59
1218	TRUE	48.38
1219	TRUE	47.4
1222	TRUE	47.74
1228	TRUE	47.22
1229	TRUE	96.39
1235	TRUE	86.89
1237	TRUE	81.93
1239	TRUE	73.89
1245	TRUE	68.98
1246	TRUE	67.78
1247	FALSE	17.77
1249	TRUE	46.58
1250	TRUE	50.26
1253	TRUE	60.14
1263	TRUE	59.46
1264	TRUE	61.86
1266	TRUE	62.33
1268	TRUE	71.06
1269	TRUE	70.93
1270	TRUE	73.53
1272	TRUE	66.46
1275	TRUE	75.06
1278	TRUE	81.41
1280	TRUE	82.04
1281	TRUE	84.02
1286	TRUE	86.67
1293	TRUE	86.68
1294	TRUE	60.46
1297	TRUE	63.04
1299	TRUE	66.14
1300	TRUE	69.08
1302	TRUE	71.43
1304	TRUE	71.81
1309	TRUE	71.88
1311	TRUE	71.46
1312	TRUE	71.18
1317	TRUE	70.29
1319	TRUE	69.72
1321	TRUE	69.6
1322	TRUE	69.05
1323	TRUE	67.76
1326	TRUE	66.51
1327	TRUE	65.57
1328	TRUE	65.39
1329	TRUE	65.22
1330	TRUE	66.56
1332	TRUE	66.6
1333	TRUE	66.26
1334	TRUE	66.44
1336	TRUE	65.67
1339	TRUE	63.88
1341	TRUE	67.21
1343	TRUE	66.79
1345	TRUE	67.45
1346	TRUE	67.75
1347	TRUE	67.64
1349	TRUE	68.06
1351	TRUE	68.27
1352	TRUE	69.95
1355	TRUE	66.37
1357	TRUE	65.85
1359	TRUE	65.71
1361	TRUE	66.16
1363	TRUE	65.62
1366	TRUE	65.25
1368	TRUE	64.63
1369	TRUE	64.64
1371	TRUE	65.01
1373	TRUE	64.54
1378	TRUE	63.68
1379	TRUE	63.74
1381	TRUE	63.03
1382	TRUE	63.8
1384	TRUE	64.35
1386	TRUE	64.93
1389	TRUE	66.05
1390	TRUE	65.23
1394	TRUE	66.11
1396	TRUE	65.5
1399	TRUE	65.74
1401	TRUE	66.17

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
1403	TRUE	64.48
1405	TRUE	64.21
1407	TRUE	65.61
1409	TRUE	65.94
1413	TRUE	64.8
1414	TRUE	63.84
1416	TRUE	62.72
1418	TRUE	62.76
1419	TRUE	63.06
1421	TRUE	62.74
1424	TRUE	61.65
1425	TRUE	61.68
1433	TRUE	60.9
1434	TRUE	61.74
1436	TRUE	62.55
1437	TRUE	62.71
1438	TRUE	62.47
1440	TRUE	62.53
1442	TRUE	61.97
1443	TRUE	61.75
1446	TRUE	62.02
1447	TRUE	61.68
1450	TRUE	61.32
1451	TRUE	61.33
1452	TRUE	62.71
1459	TRUE	60.98
1464	TRUE	59.8
1467	TRUE	60.49
1470	TRUE	62.38
1471	TRUE	61.87
1474	TRUE	60.76
1476	TRUE	60.14
1480	TRUE	60.44
1485	TRUE	60.88
1487	TRUE	61.43
1489	TRUE	61.77
1490	TRUE	62.38
1493	TRUE	61.9
1494	TRUE	61.63
1497	TRUE	61.64
1498	TRUE	61.92
1500	TRUE	62.78
1504	TRUE	69.58
1507	TRUE	69.69
1509	TRUE	68.64
1512	TRUE	69.03
1516	TRUE	68.61
1518	TRUE	66.47
1521	TRUE	66.87
1522	TRUE	67.8
1524	TRUE	68.16
1526	TRUE	68.21
1529	TRUE	68.09
1530	TRUE	67.57
1532	TRUE	67.4
1534	TRUE	66.71
1536	TRUE	64.93
1539	TRUE	66.68
1541	TRUE	66.75
1543	TRUE	66.42
1548	TRUE	69.04
1562	TRUE	68.24
1576	TRUE	65.21
1581	TRUE	67.35
1582	TRUE	65.59
1585	TRUE	66.68
1586	TRUE	68.43
1588	TRUE	69.46
1590	TRUE	70.41
1592	TRUE	71.37
1593	TRUE	71.39
1594	TRUE	69.92
1596	TRUE	69.04
1598	TRUE	68.14
1599	TRUE	65.73
1602	TRUE	64.67
1604	TRUE	63.81
1606	TRUE	63.29
1607	TRUE	64.3
1609	TRUE	64.54
1610	TRUE	65.04
1613	TRUE	66.93
1615	TRUE	67.93
1617	TRUE	68.78
1619	TRUE	70.84
1620	TRUE	68.52
1621	TRUE	66.83
1622	TRUE	66.02
1625	TRUE	65.82
1626	TRUE	64.06
1627	TRUE	63.29
1628	TRUE	63.19
1630	TRUE	61.93
1632	TRUE	61.16
1634	TRUE	60.38
1635	TRUE	62.28
1636	TRUE	62.05
1637	TRUE	62.28
1638	TRUE	62.96
1639	TRUE	63.64
1640	TRUE	63.79
1641	TRUE	64.07
1642	TRUE	63.62
1643	TRUE	64.14
1644	TRUE	65.95
1645	TRUE	61.8
1647	TRUE	60.63
1648	TRUE	59.69

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
1649	TRUE	59.6
1650	TRUE	60.53
1651	TRUE	58.99
1652	TRUE	59.38
1653	TRUE	59.71
1654	TRUE	59.54
1655	TRUE	59.77
1656	TRUE	59.36
1658	TRUE	83.44
1659	TRUE	83.5
1660	TRUE	84.85
1662	TRUE	84.62
1664	TRUE	76.18
1666	TRUE	80.38
1668	TRUE	82.42
1670	TRUE	82.21
1673	TRUE	80.21
1674	TRUE	77.69
1676	TRUE	78.96
1677	TRUE	78.09
1678	TRUE	77.84
1679	TRUE	77.39
1680	TRUE	76.35
1681	TRUE	76.8
1683	TRUE	77.75
1684	TRUE	77.14
1685	TRUE	78.44
1687	TRUE	80.23
1688	TRUE	85.36
1690	TRUE	83.74
1691	TRUE	83.1
1693	TRUE	82.8
1694	TRUE	80.25
1695	TRUE	82.24
1696	TRUE	82.95
1697	TRUE	83.47
1698	TRUE	83.42
1704	TRUE	70.98
1705	TRUE	70.21
1710	TRUE	70.52
1714	TRUE	64.93
1715	TRUE	61.68
1716	TRUE	62.42
1717	TRUE	62.26
1718	TRUE	61.13
1719	TRUE	63.04
1720	TRUE	70.46
1722	TRUE	72.75
1723	TRUE	78.23
1724	TRUE	82.14
1726	TRUE	48.26
1727	TRUE	52.31
1728	TRUE	51.83
1729	TRUE	53.5
1732	TRUE	53.8
1733	TRUE	53.76
1734	TRUE	54.46
1735	TRUE	55.34
1736	TRUE	46.44
1743	TRUE	45.89
1753	TRUE	65.07
1754	TRUE	65.66
1755	TRUE	65.83
1756	TRUE	63.74
1757	TRUE	63.46
1758	TRUE	63.65
1759	TRUE	63.34
1761	TRUE	62.84
1763	TRUE	65.01
1764	TRUE	65.33
1765	TRUE	65.41
1767	TRUE	66.67
1768	TRUE	66.47
1771	TRUE	64.89
1772	TRUE	63.35
1775	TRUE	63.84
1776	TRUE	62.3
1777	TRUE	61.93
1778	TRUE	62.49
1779	TRUE	61.71
1781	TRUE	64.52
1782	TRUE	64.67
1784	TRUE	65.65
1785	TRUE	65.67
1786	TRUE	75.26
1787	TRUE	73.48
1788	TRUE	70.41
1789	TRUE	72.25
1791	TRUE	71.09
1797	TRUE	65.6
1798	TRUE	60.36
1799	TRUE	59.61
1800	TRUE	46.87
1802	TRUE	49.38
1805	TRUE	53.04
1806	TRUE	56.42
1809	TRUE	58.01
1811	TRUE	58.74
1812	TRUE	57.35
1815	TRUE	54.05
1816	TRUE	51.09
1819	TRUE	48.53
1820	TRUE	48.73
1835	TRUE	59.54
1887	TRUE	59.86
1888	TRUE	58.68
1889	TRUE	57.67
1892	TRUE	55.95

Fire Flow Alternative #2 Continued

Label	Satisfies Fire	
	Flow Constraints?	Pressure (psi)
1894	TRUE	55.54
1898	TRUE	54.99
1900	TRUE	55.93
1903	TRUE	55.84
1904	TRUE	55.88
1906	TRUE	55.43
1908	TRUE	57.46
1909	TRUE	58.22
1910	TRUE	59.15
1911	TRUE	59.71
1912	TRUE	59.64
1914	TRUE	59.79
1916	TRUE	60.09
1917	TRUE	60.1
1918	TRUE	60.59
1919	TRUE	60.43
1921	TRUE	60.71
1923	TRUE	61.43
1924	TRUE	61.91
1925	TRUE	61.75
1926	TRUE	61.08
1927	TRUE	71.13
1928	TRUE	64.47
2619	TRUE	40.83
2621	TRUE	74.33
2622	TRUE	84.19
2626	TRUE	92.98
2629	TRUE	105.62
2630	TRUE	84.54
2633	FALSE	82.08
2634	TRUE	122.37
3470	TRUE	61.92
3620	TRUE	62.74
6590	TRUE	53.76
6610	TRUE	47.25
6640	TRUE	33.09

Alternative #2 With Secondary Peak Day

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
3	5,551.20	255.56	33.51
5	5,556.50	22.22	39.74
6	5,568.50	22.22	34.55
7	5,577.00	0	30.87
8	5,547.80	2.22	48.37
10	5,547.50	3.33	55.09
11	5,559.00	0.56	53.37
12	5,566.00	0	52.04
15	5,597.90	22.22	46.99
17	5,646.85	0	38.37
21	5,675.00	0.56	34.64
24	5,714.80	0	17.4
26	5,717.20	2.78	16.35
30	5,742.80	1.11	5.28
32	5,744.70	0	4.45
36	5,739.90	0.56	6.54
38	5,725.75	1.11	12.66
40	5,694.80	1.67	35.51
41	5,699.80	0	36.71
42	5,701.80	0	37.13
43	5,706.90	1.67	35.42
44	5,710.00	1.11	34.54
46	5,715.75	2.22	33.33
47	5,733.00	1.11	27.45
49	5,723.90	0	33.57
51	5,720.85	0	38.07
54	5,709.00	0	37.34
61	5,603.00	0	58.73
102	5,542.50	3.33	63.85
103	5,543.80	3.33	67.54
104	5,547.80	3.33	72.73
105	5,548.60	1.67	72.93
109	5,635.50	1.11	40.79
118	5,547.30	1.67	73.3
123	5,682.75	2.22	33.44
128	5,673.40	2.78	33.89
142	5,635.90	1.67	40.09
143	5,635.00	1.11	40.48
144	5,621.90	1.67	45.69
146	5,567.50	3.89	68.5
147	5,579.00	0	65.39
148	5,579.50	1.67	65.39
149	5,581.90	2.22	65.55
150	5,587.10	1.11	62.1
151	5,616.70	2.78	47.24
152	5,623.30	0	46.67
156	5,675.80	0	51.7
158	5,677.00	0	51.19
159	5,690.50	0	45.34
160	5,687.00	0	46.86
161	5,693.70	7.78	43.96
164	5,539.00	0	77.51
165	5,528.20	2.22	82.11
167	5,517.90	2.78	86.48
169	5,511.50	2.22	89.2
175	5,517.00	0	88.97
176	5,527.00	2.78	86.42
179	5,552.10	0	76.54
186	5,624.20	1.11	46.88
187	5,627.00	0	46.99
192	5,595.00	1.11	61.06
193	5,627.00	2.22	49.15
194	5,626.10	0	48.91
196	5,565.50	1.11	71.35
199	5,570.10	1.67	71.33
200	5,573.20	1.67	70.17
201	5,581.10	1.11	66.91
202	5,515.60	0	89.57
205	5,529.50	0	85.65
209	5,482.00	515	73.58
210	5,480.00	1.67	75.38
211	5,481.50	1.67	74.9
213	5,483.00	2.22	74.44
222	5,490.50	28.33	72.12
239	5,491.00	0	71.67
260	5,496.00	0	69.67
277	5,503.00	22.78	67.21
282	5,519.50	0	62.57
283	5,520.00	0	62.38
285	5,520.50	0	62.18
286	5,520.00	2.22	62.4
287	5,521.10	0	61.94
289	5,521.80	0	61.67
290	5,522.50	0	61.39
291	5,523.00	0	61.2
292	5,523.00	0	61.22
293	5,522.80	0	61.29
294	5,521.90	0	61.67
299	5,525.00	0	60.55
300	5,525.80	0	60.24
303	5,527.00	0	59.88
304	5,527.80	0	59.62
308	5,531.00	0	58.55
309	5,530.00	2.22	58.48
313	5,537.00	2.78	56.99
314	5,537.80	32.22	56.65
325	5,530.00	4.44	61.78
326	5,536.50	2.78	58.59
327	5,539.54	2.22	57.2
328	5,543.20	1.11	55.51
329	5,541.50	2.22	56.16
330	5,538.50	0	57.37
331	5,533.20	2.78	59.54
332	5,529.00	2.22	61.22
333	5,527.90	2.22	61.53
334	5,525.80	5.56	60.75
335	5,525.80	2.78	60.16
336	5,530.50	2.22	57.98
337	5,526.10	3.33	59.81
338	5,522.80	2.22	61.13

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
339	5,521.00	2.22	61.86
340	5,520.70	0	61.98
341	5,518.20	2.22	62.95
342	5,519.00	1.67	62.65
343	5,519.60	2.22	62.44
344	5,519.20	5	62.6
345	5,521.90	3.89	61.59
346	5,525.50	3.89	60.27
348	5,516.80	2.22	62.92
349	5,516.40	2.22	62.95
350	5,516.20	2.78	63.03
351	5,511.90	5	64.68
352	5,510.50	5	65.17
353	5,506.20	3.89	66.62
354	5,506.20	1.67	66.61
355	5,505.80	1.11	66.56
356	5,505.70	1.67	66.58
357	5,504.90	5	67.04
358	5,507.50	4.44	66.29
359	5,510.90	5	65.12
360	5,513.20	3.89	64.5
361	5,518.00	3.33	63
363	5,512.90	3.33	64.25
364	5,510.00	5	65.33
365	5,508.20	4.44	65.87
366	5,507.00	1.11	66.33
379	5,574.10	16.67	66.2
383	5,548.10	0	77.47
385	5,538.80	0	81.49
387	5,541.80	0	80.19
390	5,550.50	0	76.43
392	5,496.20	1.11	70.61
396	5,499.00	28.89	69.39
399	5,505.80	1.11	66.45
400	5,504.20	1.67	67.19
403	5,507.00	2.22	66
404	5,506.20	2.22	66.37
405	5,504.10	2.22	67.28
408	5,502.80	2.22	67.85
409	5,501.00	2.22	68.62
410	5,500.50	2.22	68.84
411	5,500.25	0	68.94
412	5,500.80	0	68.7
415	5,501.10	2.22	68.54
417	5,503.10	1.67	67.67
418	5,502.90	1.67	67.76
419	5,499.50	2.22	69.28
420	5,498.20	2.22	69.87
421	5,496.20	2.22	70.2
422	5,494.60	1.11	71.35
425	5,496.20	1.67	70.65
426	5,497.20	1.11	70.21
427	5,494.20	1.11	71.51
428	5,494.80	2.22	71.24
429	5,495.00	2.22	71.15
440	5,490.50	24.44	74.28
497	5,525.90	1.11	60.28
502	5,539.50	0	82.74
510	5,539.00	0	83.52
517	5,555.00	1.11	76.68
530	5,567.00	2.78	73.47
531	5,574.00	15.56	70.8
532	5,565.50	6.67	72.75
533	5,574.10	3.33	69.15
534	5,575.90	2.22	68.46
536	5,576.20	2.22	68.34
537	5,575.00	3.33	68.88
538	5,576.30	3.33	68.39
539	5,573.70	2.22	69.55
541	5,576.00	0	69.14
546	5,595.00	1.11	61.13
550	5,589.50	2.22	63.53
553	5,551.00	2.22	80.95
555	5,576.10	6.67	70.51
559	5,616.50	0	52.91
562	5,622.50	1.11	51.12
568	5,600.50	1.11	59.12
569	5,594.80	0	61.54
570	5,591.70	0	62.72
572	5,649.50	0	41.23
575	5,606.00	222.78	54.41
579	5,674.10	0	31.98
580	5,701.70	0	21.42
583	5,761.00	0	94.75
584	5,910.00	0	30.29
585	5,492.20	0	72.95
586	5,492.20	1.11	72.94
587	5,493.00	2.78	72.58
588	5,495.00	2.78	71.7
589	5,496.10	2.78	71.21
594	5,572.22	1.67	70.12
605	5,498.60	0	70.28
606	5,496.50	0	71.17
607	5,495.80	0	71.45
608	5,493.90	0	72.26
609	5,494.10	0	72.17
610	5,496.00	0	71.34
611	5,499.90	0	69.64
612	5,499.90	0	69.63
613	5,502.20	27.22	68.63
614	5,495.90	0	71.41
615	5,498.00	0	70.5
616	5,497.50	0	70.72
617	5,501.00	0	69.2
618	5,503.50	27.22	68.11
657	5,481.00	0	77.51
658	5,618.00	0	46.79
659	5,692.80	0	76.64
660	5,591.00	23.33	52.77
661	5,755.00	0	49.73

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
662	5,602.00	0	49.81
663	5,820.00	0	21.6
664	5,601.00	0	47.88
665	5,711.00	0	68.76
666	5,809.00	0	42.26
667	5,752.00	0	53.07
668	5,888.00	0	25.92
669	5,733.00	0	106.87
670	5,733.00	0	51.28
671	5,733.00	0	51.33
672	5,733.00	0	51.28
673	5,733.00	0	51.28
674	5,733.00	0	51.28
675	5,733.00	0	50.65
676	5,708.00	0	55.03
678	5,534.00	0	83.93
679	5,547.50	0	55.59
680	5,501.00	0	87.32
681	5,499.50	4.44	87.26
682	5,742.76	0	102.64
683	5,490.00	0	72.08
684	5,501.00	33.33	68.52
685	5,505.00	33.33	66.71
688	5,478.00	515	76.25
689	5,467.00	155	67.22
690	5,468.00	0	67.06
691	5,468.00	0	67.35
692	5,467.00	155	67.97
693	5,473.00	159.44	68.21
694	5,496.00	159.44	71.2
695	5,468.00	0	7.22
696	5,451.00	515	70.45
697	5,450.00	0	71.62
698	5,450.00	515	71.76
699	5,455.00	515	68.72
700	5,468.00	159.44	69.66
701	5,457.00	515	69.01
702	5,455.00	555.56	68.57
703	5,471.00	555.56	63.82
1001	5,715.02	0	16.46
1012	5,730.81	0	10.02
1013	5,728.89	0	10.78
1015	5,722.46	0	13.37
1016	5,719.76	0	14.49
1021	5,646.25	0	42.13
1023	5,645.30	1.67	42.86
1025	5,630.94	0	48.42
1026	5,629.31	0	49.27
1028	5,623.80	0	51.26
1031	5,619.18	0	52.69
1038	5,723.95	0	37.91
1040	5,720.12	0	38.24
1041	5,735.01	0	29.69
1044	5,732.26	1.11	28.38
1045	5,713.52	0	33.98
1049	5,712.32	0	37.49
1051	5,685.03		

Alternative #2 With Secondary Peak Day

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1168	5,497.65	0	72.65
1171	5,490.74	0	75.47
1172	5,485.66	0	77.49
1175	5,483.67	0	78.17
1176	5,482.81	0	78.36
1178	5,482.76	0	78.33
1181	5,517.96	1.11	88.6
1183	5,517.32	1.67	88.9
1185	5,529.22	3.33	83.91
1186	5,528.96	2.78	85.68
1187	5,540.30	2.78	81.28
1188	5,545.44	3.33	79.06
1190	5,552.91	2.78	75.82
1193	5,559.89	2.78	73.93
1194	5,560.32	2.22	73.85
1196	5,585.51	2.78	63.77
1207	5,623.34	2.22	45.52
1208	5,623.23	1.11	45.66
1210	5,635.34	3.33	40.33
1214	5,640.67	2.22	38.02
1217	5,648.85	2.78	34.48
1218	5,620.16	3.33	47.53
1222	5,622.27	0	46.47
1228	5,622.78	0	46.82
1229	5,624.15	3.33	46.3
1235	5,642.50	4.44	66.11
1237	5,664.45	3.33	56.62
1239	5,675.92	0	51.65
1245	5,694.52	0	43.61
1246	5,705.88	0	38.89
1247	5,693.31	0	39.51
1249	5,710.49	7.78	18.2
1250	5,636.98	7.78	45.7
1253	5,627.55	5	49.21
1263	5,602.42	2.22	58.88
1264	5,604.33	3.89	58.15
1266	5,594.70	2.22	61.16
1268	5,593.62	3.33	61.63
1269	5,572.18	1.67	70.36
1270	5,572.59	1.67	70.22
1272	5,563.16	2.78	73.23
1275	5,585.35	2.22	65.18
1278	5,562.75	2.78	73.88
1280	5,545.49	0	80.15
1281	5,543.70	2.22	80.75
1286	5,535.54	2.22	83.99
1293	5,531.00	3.33	85.3
1294	5,527.48	3.89	85.89
1297	5,526.00	0	60.5
1299	5,519.33	5	63.18
1300	5,511.20	5	66.4
1302	5,503.49	5	69.45
1304	5,497.32	5	71.87
1309	5,493.87	2.22	73.14
1311	5,491.63	2.22	73.93
1312	5,490.86	1.67	74.11
1317	5,489.14	2.22	74.56
1319	5,489.12	1.11	74.3
1320	5,488.87	12.78	74.19
1321	5,488.56	2.22	74.24
1322	5,489.42	0	73.8
1323	5,489.60	1.11	73.28
1326	5,489.66	3.33	72.81
1327	5,489.65	0	72.45
1328	5,490.12	0	72.26
1329	5,490.18	28.33	72.22
1330	5,486.58	0	73.58
1332	5,486.45	0	73.63
1333	5,486.10	1.67	73.49
1334	5,485.34	1.11	73.73
1336	5,487.02	2.22	72.98
1339	5,490.89	2.22	71.22
1341	5,483.18	4.44	74.55
1343	5,483.86	1.67	74.15
1345	5,482.08	2.78	74.84
1346	5,481.40	2.78	75.13
1347	5,481.25	0	75.03
1349	5,480.23	2.22	75.45
1351	5,479.74	3.33	75.66
1352	5,479.56	2.22	76.93
1355	5,485.16	2.22	73.71
1357	5,486.41	2.22	73.19
1359	5,486.72	1.67	73.06
1361	5,485.70	2.22	73.5
1363	5,486.99	1.67	72.95
1366	5,487.90	2.22	72.58
1368	5,489.33	1.67	71.96
1369	5,489.31	1.67	71.97
1371	5,487.85	2.22	73.03
1373	5,490.39	29.44	72.02
1378	5,490.91	5	71.71
1379	5,490.73	0	71.79
1381	5,491.97	1.11	71.29
1382	5,489.94	2.22	72.17
1384	5,488.54	1.11	72.77
1386	5,487.14	0	73.38
1389	5,484.38	0	74.57
1390	5,486.29	0	73.75
1394	5,484.22	30	74.64
1396	5,485.63	0	74.04
1399	5,485.06	0	74.28
1401	5,484.03	30	74.73
1403	5,487.97	0	73.02
1405	5,488.61	0	72.75
1407	5,485.39	0	74.15
1409	5,484.57	30	74.5
1413	5,487.34	0	73.32
1414	5,489.69	0	72.32
1416	5,492.39	0	71.17
1418	5,492.31	0	71.2

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1419	5,491.67	3.33	71.47
1421	5,492.39	4.44	71.17
1424	5,494.90	4.44	70.11
1425	5,494.83	1.11	70.15
1433	5,496.64	1.67	69.39
1434	5,494.66	3.33	70.24
1436	5,492.75	3.33	71.07
1437	5,492.37	0	71.23
1438	5,492.93	1.11	70.98
1440	5,492.77	1.11	71.03
1442	5,494.00	0	70.52
1443	5,494.47	1.67	70.33
1446	5,493.75	2.22	70.67
1447	5,494.64	0	70.26
1450	5,495.57	3.33	69.88
1451	5,495.59	3.33	69.86
1452	5,492.39	3.33	71.24
1459	5,496.48	2.22	69.47
1464	5,499.38	2.22	68.25
1467	5,497.66	3.33	68.98
1470	5,492.71	3.33	71.15
1471	5,494.19	4.44	70.52
1474	5,497.40	3.33	69.16
1476	5,499.21	2.22	68.39
1480	5,499.91	22.78	68.2
1485	5,501.35	22.78	67.76
1487	5,503.34	22.78	67.13
1489	5,504.41	22.78	66.78
1490	5,492.46	159.44	71.27
1493	5,493.53	159.44	70.89
1494	5,494.32	159.44	70.69
1497	5,495.09	159.44	70.59
1498	5,496.36	159.44	70.35
1500	5,497.86	159.44	70.15
1504	5,495.95	0	73.12
1507	5,488.97	2.22	74.17
1509	5,492.61	0	72.79
1512	5,491.51	1.67	73.23
1516	5,493.53	2.22	72.49
1518	5,498.29	4.44	70.4
1521	5,497.13	2.78	70.86
1522	5,496.86	2.78	71.22
1524	5,495.92	4.44	71.62
1526	5,495.79	0	71.68
1529	5,498.15	3.33	70.91
1530	5,498.84	4.44	70.57
1532	5,498.93	2.78	70.5
1534	5,499.62	0	70.12
1536	5,502.69	0	68.7
1539	5,498.01	25.56	70.68
1541	5,497.94	0	70.71
1543	5,497.87	0	70.63
1548	5,494.02	0	72.28
1562	5,493.17	0	72.59
1576	5,499.93	0	69.63
1581	5,498.57	27.78	70.73
1582	5,502.83	2.78	68.9
1585	5,500.59	4.44	69.88
1586	5,497.51	3.89	71.27
1588	5,495.61	2.22	72.12
1590	5,493.85	2.78	72.91
1592	5,492.26	2.78	73.63
1593	5,494.14	4.44	73
1594	5,496.78	2.78	71.84
1596	5,498.23	2.78	71.2
1598	5,499.94	3.89	70.45
1599	5,504.69	4.44	68.36
1602	5,506.89	2.78	67.39
1604	5,508.69	27.78	66.61
1606	5,511.78	27.78	65.53
1607	5,509.62	1.11	66.47
1609	5,509.09	1.11	66.7
1610	5,508.13	3.89	67.12
1613	5,504.52	3.89	68.71
1615	5,502.59	3.89	69.56
1617	5,501.12	3.33	70.2
1619	5,498.02	3.89	71.56
1620	5,504.33	3.33	69.08
1621	5,507.07	3.33	67.88
1622	5,508.58	3.33	67.23
1625	5,508.71	3.89	67.15
1626	5,512.10	3.89	65.67
1627	5,513.69	2.22	64.97
1628	5,513.93	1.11	64.87
1630	5,516.65	27.78	63.69
1632	5,520.17	2.22	62.45
1634	5,521.94	25.56	61.68
1635	5,517.60	0	63.54
1636	5,518.30	1.11	63.27
1637	5,517.79	2.22	63.49
1638	5,516.36	3.33	64.11
1639	5,515.35	3.33	64.57
1640	5,515.31	1.67	64.6
1641	5,514.65	0	64.88
1642	5,515.64	2.22	64.45
1643	5,514.73	3.33	64.85
1644	5,511.30	3.89	66.35
1645	5,521.91	2.22	62.05
1647	5,524.35	2.22	61
1648	5,526.43	2.22	60.09
1649	5,526.58	2.22	60.03
1650	5,524.47	0	60.94
1651	5,527.81	3.33	59.49
1652	5,526.51	3.33	60.03
1653	5,525.63	2.22	60.4
1654	5,526.02	0	60.23
1655	5,525.29	0	60.52
1656	5,526.24	27.78	60.13
1658	5,538.65	2.22	83.59
1659	5,538.78	3.33	83.64

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1660	5,536.09	2.22	84.97
1662	5,536.72	25.56	84.73
1664	5,564.02	5	74.56
1666	5,550.77	7.22	79.55
1668	5,543.22	1.11	82.18
1670	5,543.77	7.22	81.96
1673	5,548.16	1.67	79.97
1674	5,553.86	27.78	77.49
1676	5,551.07	1.67	78.68
1677	5,553.08	0	77.79
1678	5,553.67	1.67	77.54
1679	5,554.70	2.22	77.08
1680	5,557.10	3.33	75.99
1681	5,556.10	3.33	76.27
1683	5,553.92	0	77.16
1684	5,555.33	2.22	76.55
1685	5,552.33	1.67	77.63
1687	5,548.20	2.22	79.18
1688	5,534.01	4.44	84.34
1690	5,537.76	2.22	83.1
1691	5,539.24	1.11	82.82
1693	5,539.92	2.22	82.58
1694	5,546.89	0	79.85
1695	5,541.23	3.33	82.09
1696	5,539.66	3.33	83.02
1697	5,538.50	0	83.62
1698	5,538.62	2.22	83.56
1704	5,572.22	0	70.19
1705	5,574.12	1.67	69.41
1710	5,573.21	0	69.62
1714	5,588.86	2.78	63.69
1715	5,596.33	-2.78	60.53
1716	5,594.61	2.22	61.29
1717	5,594.99	2.78	61.14
1718	5,597.59	3.33	60.01
1719	5,593.18	3.33	61.93
1720	5,576.04	1.11	69.36
1722	5,571.16	2.78	71.57
1723	5,559.63	2.78	76.83
1724	5,552.64	1.11	80.32
1726	5,629.27	1.11	47.1
1727	5,619.24	1.11	51.18
1728	5,621.30	2.22	50.65
1729	5,618.87	3.33	52.21
1732	5,617.42	2.78	52.56
1733	5,617.49	0	52.53
1734	5,615.77</		

Alternative #2 With Secondary Peak Day

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1916	5,525.90	2.22	60.28
1917	5,525.19	3.33	60.45
1918	5,523.31	0	61.11
1919	5,523.65	3.33	60.96
1921	5,522.40	2.78	61.41
1923	5,520.37	2.78	62.23
1924	5,519.21	3.33	62.68
1925	5,519.54	16.11	62.49
1926	5,521.96	2.22	61.64
1927	5,548.93	37.78	77.13
1928	5,572.71	208.33	67.98
2619	5,885.63	0	40.83
2621	5,808.21	0	74.33
2622	5,763.08	0	46.23
2626	5,742.76	0	55.03
2629	5,713.54	0	67.66
2630	5,762.27	0	46.58
2633	5,767.94	0	44.13
2634	5,674.83	0	84.42
3470	5,519.00	3.33	62.63
3620	5,515.00	3.33	63.55
6590	5,595.50	23.33	50.66
6610	5,614.00	23.33	44.13
6640	5,898.00	0	23.71

Alternative #2 With Secondary Peak Instantaneous

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
3	5,551.20	383.33	31.49
5	5,556.50	33.33	37.31
6	5,568.50	33.33	32.12
7	5,577.00	0	28.44
8	5,547.80	3.33	45.77
10	5,547.50	5	52.25
11	5,559.00	0.83	50.4
12	5,566.00	0	49
15	5,597.90	33.33	43.66
17	5,646.85	0	34.49
21	5,675.00	0.83	30.45
24	5,714.80	0	13.17
26	5,717.20	4.17	12.12
30	5,742.80	1.67	1.04
32	5,744.70	0	0.22
36	5,739.90	0.83	2.31
38	5,725.75	1.67	8.43
40	5,694.80	2.5	31.56
41	5,699.80	0	32.9
42	5,701.80	0	33.38
43	5,706.90	2.5	31.69
44	5,710.00	1.67	30.82
46	5,715.75	3.33	29.66
47	5,733.00	1.67	23.85
49	5,723.90	0	30.08
51	5,720.85	0	34.72
54	5,709.00	0	33.73
61	5,603.00	0	56.35
102	5,542.50	5	60.84
103	5,543.80	5	64.43
104	5,547.80	5	69.48
105	5,548.60	2.5	69.67
109	5,635.50	1.67	38.36
118	5,547.30	2.5	69.99
123	5,682.75	3.33	29.2
128	5,673.40	4.17	28.69
142	5,635.90	2.5	37.25
143	5,635.00	1.67	37.64
144	5,621.90	2.5	42.83
146	5,567.50	5.83	65.57
147	5,579.00	0	62.57
148	5,579.50	2.5	62.58
149	5,581.90	3.33	62.82
150	5,587.10	1.67	59.3
151	5,616.70	4.17	44.33
152	5,623.30	0	43.98
156	5,675.80	0	48.09
158	5,677.00	0	47.57
159	5,690.50	0	41.73
160	5,687.00	0	43.24
161	5,693.70	11.67	40.34
164	5,539.00	0	72.53
165	5,528.20	3.33	77.03
167	5,517.90	4.17	81.29
169	5,511.50	3.33	83.96
175	5,517.00	0	83.82
176	5,527.00	4.17	81.83
179	5,552.10	0	72.83
186	5,624.20	1.67	44.28
187	5,627.00	0	44.61
192	5,595.00	1.67	58.49
193	5,627.00	3.33	47.12
194	5,626.10	0	46.77
196	5,565.50	1.67	58.25
199	5,570.10	2.5	68.26
200	5,573.20	2.5	67.03
201	5,581.10	1.67	63.71
202	5,515.60	0	84.42
205	5,529.50	0	80.24
209	5,482.00	772.5	66.41
210	5,480.00	2.5	68.44
211	5,481.50	2.5	68.21
213	5,483.00	3.33	67.99
222	5,490.50	42.5	66.91
239	5,491.00	0	66.15
260	5,496.00	0	64.32
277	5,503.00	34.17	62.32
282	5,519.50	0	59.37
283	5,520.00	0	59.2
285	5,520.50	0	59.04
286	5,520.00	3.33	59.27
287	5,521.10	0	58.81
289	5,521.80	0	58.56
290	5,522.50	0	58.29
291	5,523.00	0	58.1
292	5,523.00	0	58.14
293	5,522.80	0	58.21
294	5,521.90	0	58.58
299	5,525.00	0	57.53
300	5,525.80	0	57.25
303	5,527.00	0	56.94
304	5,527.80	0	56.72
308	5,531.00	0	55.78
309	5,530.00	3.33	55.51
313	5,537.00	4.17	54.62
314	5,537.80	48.33	54.27
325	5,530.00	6.67	60.23
326	5,536.50	4.17	56.91
327	5,539.54	3.33	55.48
328	5,543.20	1.67	53.73
329	5,541.50	3.33	54.34
330	5,538.50	0	55.51
331	5,533.20	4.17	57.61
332	5,529.00	3.33	59.23
333	5,527.90	3.33	59.46
334	5,525.80	8.33	57.83
335	5,525.80	4.17	56.95
336	5,530.50	3.33	54.68
337	5,526.10	5	56.48
338	5,522.80	3.33	57.74

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
339	5,521.00	3.33	58.44
340	5,520.70	0	58.56
341	5,518.20	3.33	59.48
342	5,519.00	2.5	59.22
343	5,519.60	3.33	59.04
344	5,519.20	7.5	59.21
345	5,521.90	5.83	58.26
346	5,525.50	5.83	57.04
348	5,516.80	3.33	59.08
349	5,516.40	3.33	59.03
350	5,516.20	4.17	59.1
351	5,511.90	7.5	60.63
352	5,510.50	7.5	61.05
353	5,506.20	5.83	62.28
354	5,506.20	2.5	62.27
355	5,505.80	1.67	62.1
356	5,505.70	2.5	62.1
357	5,504.90	7.5	62.63
358	5,507.50	6.67	62.08
359	5,510.90	7.5	61.08
360	5,513.20	5.83	60.67
361	5,518.00	5	59.51
363	5,512.90	5	60.21
364	5,510.00	7.5	61.18
365	5,508.20	6.67	61.6
366	5,507.00	1.67	62.01
379	5,574.10	25	58.97
383	5,548.10	0	70.25
385	5,538.80	0	74.27
387	5,541.80	0	72.98
390	5,550.50	0	69.21
392	5,496.20	1.67	66.38
396	5,499.00	43.33	65.14
399	5,505.80	1.67	62.21
400	5,504.20	2.5	63.06
403	5,507.00	3.33	61.92
404	5,506.20	3.33	62.32
405	5,504.10	3.33	63.23
408	5,502.80	3.33	63.81
409	5,501.00	3.33	64.58
410	5,500.50	3.33	64.79
411	5,500.25	0	64.9
412	5,500.80	0	64.64
415	5,501.10	3.33	64.42
417	5,503.10	2.5	63.55
418	5,502.90	2.5	63.64
419	5,499.50	3.33	65.25
420	5,498.20	3.33	65.88
421	5,496.20	3.33	66.66
422	5,494.60	1.67	67.23
425	5,496.20	2.5	66.51
426	5,497.20	1.67	66.07
427	5,494.20	1.67	67.37
428	5,494.80	3.33	67.08
429	5,495.00	3.33	66.99
440	5,490.50	36.67	72.01
497	5,525.90	1.67	59.83
502	5,539.50	0	77.29
510	5,539.00	0	78.27
517	5,555.00	1.67	71.87
530	5,567.00	4.17	69.27
531	5,574.00	23.33	66.76
532	5,565.50	10	68.72
533	5,574.10	5	65.07
534	5,575.90	3.33	64.35
536	5,576.20	3.33	64.22
537	5,575.00	5	64.76
538	5,576.30	5	64.25
539	5,573.70	3.33	65.4
541	5,576.00	0	65.42
546	5,595.00	1.67	57.72
550	5,589.50	3.33	59.99
553	5,551.00	3.33	77.35
555	5,576.10	10	66.9
559	5,616.50	0	50.2
562	5,622.50	1.67	48.42
568	5,600.50	1.67	55.75
569	5,594.80	0	58.15
570	5,591.70	0	59.24
572	5,649.50	0	39.18
575	5,606.00	334.17	48.49
579	5,674.10	0	30.68
580	5,701.70	0	20.85
583	5,761.00	0	94.75
584	5,910.00	0	30.29
585	5,492.20	0	69.83
586	5,492.20	1.67	69.79
587	5,493.00	4.17	69.42
588	5,495.00	4.17	68.51
589	5,496.10	4.17	68
594	5,572.22	2.5	65.91
605	5,498.60	0	67.3
606	5,496.50	0	68.16
607	5,495.80	0	68.42
608	5,493.90	0	69.21
609	5,494.10	0	69.12
610	5,496.00	0	68.26
611	5,499.90	0	65.54
612	5,499.90	0	66.53
613	5,502.20	40.83	65.53
614	5,495.90	0	68.38
615	5,498.00	0	67.47
616	5,497.50	0	67.68
617	5,501.00	0	66.16
618	5,503.50	40.83	65.07
657	5,481.00	0	70.81
658	5,618.00	0	43.9
659	5,692.80	0	74.48
660	5,591.00	35	49.4
661	5,755.00	0	47.57

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
662	5,602.00	0	46.55
663	5,820.00	0	19.45
664	5,601.00	0	44.49
665	5,711.00	0	66.61
666	5,809.00	0	40.82
667	5,752.00	0	51.01
668	5,888.00	0	25.29
669	5,733.00	0	106.87
670	5,733.00	0	48.76
671	5,733.00	0	48.82
672	5,733.00	0	48.76
673	5,733.00	0	48.76
674	5,733.00	0	48.76
675	5,733.00	0	48.1
676	5,708.00	0	52.19
678	5,534.00	0	79.26
679	5,547.50	0	52.74
680	5,501.00	0	82.3
681	5,499.50	6.67	82.18
682	5,742.76	0	102.64
683	5,490.00	0	66.52
684	5,501.00	50	64.25
685	5,505.00	50	62.14
688	5,478.00	772.5	69.33
689	5,467.00	232.5	61.53
690	5,468.00	0	61.13
691	5,468.00	0	61.17
692	5,467.00	232.5	61.63
693	5,473.00	690	60.06
694	5,496.00	239.17	67.77
695	5,468.00	10.83	61.6
696	5,451.00	66.38	58.74
697	5,450.00	0	64.49
698	5,450.00	772.5	59.86
699	5,455.00	772.5	56.71
700	5,468.00	239.17	61.8
701	5,457.00	772.5	57.72
702	5,455.00	833.33	57.28
703	5,471.00	833.33	59.77
1001	5,715.02	0	16.29
1012	5,730.81	0	10.01
1013	5,728.89	0	10.75
1015	5,722.46	0	13.26
1016	5,719.76	0	14.36
1021	5,646.25	0	39.98
1023	5,645.30	2.5	40.7
1025	5,630.94	0	45.87
1026	5,629.31	0	46.68
1028	5,623.80	0	48.56
1031	5,619.18	0	49.62
1038	5,723.95	0	34.61
1040	5,720.12	0	34.88
1041	5,735.01	0	26.24
1044	5,732.26	1.67	24.81
1045	5,713.52	0	30.3
1049	5,712.32	0	33.94
1051	5,685.03	4.17	29.84
1052			

Alternative #2 With Secondary Peak Instantaneous

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1168	5,497.65	0	72.37
1171	5,490.74	0	74.95
1172	5,485.66	0	76.73
1175	5,483.67	0	77.17
1176	5,482.81	0	77.13
1178	5,482.76	0	77.02
1181	5,517.96	1.67	83.44
1183	5,517.32	2.5	83.77
1185	5,529.22	5	78.73
1186	5,528.96	4.17	81.18
1187	5,540.30	4.17	77.24
1188	5,545.44	5	75.02
1190	5,552.91	4.17	71.79
1193	5,559.89	4.17	70.54
1194	5,560.32	3.33	70.48
1196	5,585.51	4.17	61.03
1207	5,623.34	3.33	42.69
1208	5,623.23	1.67	42.84
1210	5,635.34	5	37.5
1214	5,640.67	3.33	35.19
1217	5,648.85	4.17	31.65
1218	5,620.16	5	44.74
1222	5,622.27	0	43.68
1228	5,622.78	0	44.12
1229	5,624.15	5	43.61
1235	5,642.50	6.67	62.49
1237	5,664.45	5	53
1239	5,675.92	0	48.03
1245	5,694.52	0	39.99
1246	5,705.88	0	35.07
1247	5,693.31	0	35.71
1249	5,710.49	11.67	17.94
1250	5,636.98	11.67	43.92
1253	5,627.55	7.5	47.23
1263	5,602.42	3.33	56.48
1264	5,604.33	5.83	55.75
1266	5,594.70	3.33	58.59
1268	5,593.62	5	59.04
1269	5,572.18	2.5	67.3
1270	5,572.59	2.5	67.17
1272	5,563.16	4.17	69.98
1275	5,585.35	3.33	61.94
1278	5,562.75	4.17	69.88
1280	5,545.49	0	75.43
1281	5,543.70	3.33	75.93
1286	5,535.54	3.33	78.7
1293	5,531.00	5	79.86
1294	5,527.48	5.83	80.56
1297	5,526.00	0	80.37
1299	5,519.33	7.5	62.77
1300	5,511.20	7.5	65.6
1302	5,503.49	7.5	68.27
1304	5,497.32	7.5	70.36
1309	5,493.87	3.33	71.32
1311	5,491.63	3.33	71.86
1312	5,490.86	2.5	71.83
1317	5,489.14	3.33	71.87
1319	5,489.12	1.67	71.25
1320	5,488.87	19.17	70.83
1321	5,488.56	3.33	70.76
1322	5,489.42	0	70.24
1323	5,489.60	1.67	69.12
1326	5,489.66	5	68.04
1327	5,488.65	0	67.2
1328	5,490.12	0	67.02
1329	5,490.18	42.5	66.97
1330	5,486.58	0	68.06
1332	5,486.45	0	68.1
1333	5,486.10	2.5	67.57
1334	5,485.34	1.67	67.69
1336	5,487.02	3.33	66.91
1339	5,490.89	3.33	65.04
1341	5,483.18	6.67	68.37
1343	5,483.86	2.5	67.82
1345	5,482.08	4.17	68.39
1346	5,481.40	4.17	68.69
1347	5,481.25	0	68.36
1349	5,480.23	3.33	68.76
1351	5,479.74	5	68.97
1352	5,479.56	3.33	70.11
1355	5,485.16	3.33	67.55
1357	5,486.41	3.33	67.05
1359	5,486.72	2.5	66.92
1361	5,485.70	3.33	67.36
1363	5,486.99	2.5	66.84
1366	5,487.90	3.33	66.48
1368	5,489.33	2.5	65.87
1369	5,489.31	2.5	65.87
1371	5,487.85	3.33	67.51
1373	5,490.39	44.17	66.61
1378	5,490.91	7.5	66.16
1379	5,490.73	0	66.25
1381	5,491.97	1.67	65.8
1382	5,489.94	3.33	66.67
1384	5,488.54	1.67	67.28
1386	5,487.14	0	67.88
1389	5,484.38	0	69.08
1390	5,486.29	0	68.25
1394	5,484.22	45	69.15
1396	5,485.63	0	68.54
1399	5,485.06	0	68.79
1401	5,484.03	45	69.23
1403	5,487.97	0	67.53
1405	5,488.61	0	67.25
1407	5,485.39	0	68.66
1409	5,484.57	45	69.01
1413	5,487.34	0	67.85
1414	5,489.69	0	66.88
1416	5,492.39	0	65.75
1418	5,492.31	0	65.77

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1419	5,491.67	5	66.04
1421	5,492.39	6.67	65.75
1424	5,494.90	6.67	64.71
1425	5,494.83	1.67	64.77
1433	5,496.64	2.5	64.02
1434	5,494.66	5	64.87
1436	5,492.75	5	65.7
1437	5,492.37	0	65.86
1438	5,492.93	1.67	65.6
1440	5,492.77	1.67	65.6
1442	5,494.00	0	65.15
1443	5,494.47	2.5	64.97
1446	5,493.75	3.33	65.35
1447	5,494.64	0	64.96
1450	5,495.57	5	64.55
1451	5,495.59	5	64.51
1452	5,492.39	5	65.9
1459	5,496.48	3.33	64.13
1464	5,499.38	3.33	62.94
1467	5,497.66	5	63.66
1470	5,492.71	5	65.88
1471	5,494.19	6.67	65.25
1474	5,497.40	5	63.9
1476	5,499.21	3.33	63.15
1480	5,499.91	34.17	63.04
1485	5,501.35	34.17	62.74
1487	5,503.34	34.17	62.3
1489	5,504.41	34.17	62.06
1490	5,492.46	239.17	66.02
1493	5,493.53	239.17	65.73
1494	5,494.32	239.17	65.72
1497	5,495.09	239.17	65.89
1498	5,496.36	239.17	66.07
1500	5,497.86	239.17	66.41
1504	5,495.95	0	71.28
1507	5,488.97	3.33	70.83
1509	5,492.61	0	69.71
1512	5,491.51	2.5	70.11
1516	5,493.53	3.33	69.56
1518	5,498.29	6.67	67.43
1521	5,497.13	4.17	67.83
1522	5,496.86	4.17	68.53
1524	5,495.92	6.67	68.93
1526	5,495.79	0	68.98
1529	5,498.15	5	68.58
1530	5,498.84	6.67	68.17
1532	5,498.93	4.17	68.06
1534	5,499.62	0	67.56
1536	5,502.69	0	66.01
1539	5,498.01	38.33	67.91
1541	5,497.94	0	67.95
1543	5,497.87	0	67.69
1548	5,494.02	0	69.32
1562	5,493.17	0	69.56
1576	5,499.93	0	66.52
1581	5,498.57	41.67	68.4
1582	5,502.83	4.17	66.57
1585	5,500.59	6.67	67.58
1586	5,497.51	5.83	69.06
1588	5,495.61	3.33	69.94
1590	5,493.85	4.17	70.76
1592	5,492.26	4.17	71.52
1593	5,494.14	6.67	71.16
1594	5,496.78	4.17	69.97
1596	5,498.23	4.17	69.32
1598	5,499.94	5.83	68.54
1599	5,504.69	6.67	66.4
1602	5,506.89	4.17	65.43
1604	5,508.69	41.67	64.63
1606	5,511.78	41.67	63.91
1607	5,509.62	1.67	64.86
1609	5,509.09	1.67	65.09
1610	5,508.13	5.83	65.52
1613	5,504.52	5.83	67.14
1615	5,502.59	5.83	68
1617	5,501.12	5	68.65
1619	5,498.02	5.83	70.04
1620	5,504.33	5	67.89
1621	5,507.07	5	66.68
1622	5,508.58	5	66.02
1625	5,508.71	5.83	65.94
1626	5,512.10	5.83	64.42
1627	5,513.69	3.33	63.72
1628	5,513.93	1.67	63.62
1630	5,516.65	41.67	62.42
1632	5,520.17	3.33	61.57
1634	5,521.94	38.33	60.8
1635	5,517.60	0	62.63
1636	5,518.30	1.67	62.4
1637	5,517.79	3.33	62.62
1638	5,516.36	5	63.25
1639	5,515.35	5	63.73
1640	5,515.31	2.5	63.77
1641	5,514.65	0	64.06
1642	5,515.64	3.33	63.62
1643	5,514.73	5	64.03
1644	5,511.30	5.83	65.54
1645	5,521.91	3.33	61.65
1647	5,524.35	3.33	60.58
1648	5,526.43	3.33	59.68
1649	5,526.58	3.33	59.61
1650	5,524.47	0	60.53
1651	5,527.81	5	59.06
1652	5,526.51	5	59.58
1653	5,525.63	3.33	59.95
1654	5,526.02	0	59.78
1655	5,525.29	0	60.01
1656	5,526.24	41.67	59.66
1658	5,538.65	3.33	78.28
1659	5,538.78	5	78.41

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1660	5,536.09	3.33	79.85
1662	5,536.72	38.33	79.63
1664	5,564.02	7.5	70.26
1666	5,550.77	10.83	74.93
1668	5,543.22	1.67	77.29
1670	5,543.77	10.83	77.07
1673	5,548.16	2.5	75.09
1674	5,553.86	41.67	72.61
1676	5,551.07	2.5	73.82
1677	5,553.08	0	72.94
1678	5,553.67	2.5	72.69
1679	5,554.70	3.33	72.23
1680	5,557.10	5	71.14
1681	5,556.10	5	71.45
1683	5,553.92	0	72.34
1684	5,555.33	3.33	71.74
1685	5,552.33	2.5	72.84
1687	5,548.20	3.33	74.43
1688	5,534.01	6.67	78.88
1690	5,537.76	3.33	77.64
1691	5,539.24	1.67	77.36
1693	5,539.92	3.33	77.14
1694	5,546.89	0	74.7
1695	5,541.23	5	76.67
1696	5,539.66	5	77.67
1697	5,538.50	0	78.3
1698	5,538.62	3.33	78.24
1704	5,572.22	0	66.05
1705	5,574.12	2.5	65.29
1710	5,573.21	0	65.51
1714	5,568.86	4.17	60.41
1715	5,596.33	4.17	57.15
1716	5,594.61	3.33	57.89
1717	5,594.99	4.17	57.72
1718	5,597.59	5	56.56
1719	5,593.18	5	58.42
1720	5,576.04	1.67	65.8
1722	5,571.16	0	68
1723	5,559.63	4.17	73.25
1724	5,552.64	1.67	76.72
1726	5,629.27	1.67	43.97
1727	5,619.24	1.67	47.91
1728	5,621.30	3.33	47.59
1729	5,618.87	5	49.43
1732	5,617.42	4.17	49.84
1733	5,617.49	0	49.8
1734	5,615.77	4.17	50.52
1735	5,613.75	5.83	51.47
1736	5,635.97	6.67	42.9

Alternative #2 With Secondary Peak Instantaneous

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1916	5,525.90	3.33	57.31
1917	5,525.19	5	57.42
1918	5,523.31	0	58.04
1919	5,523.65	5	57.88
1921	5,522.40	4.17	58.29
1923	5,520.37	4.17	59.08
1924	5,519.21	5	59.44
1925	5,519.54	24.17	59.18
1926	5,521.96	3.33	58.55
1927	5,548.93	56.67	69.93
1928	5,572.71	312.5	61.48
2619	5,885.63	0	40.83
2621	5,808.21	0	74.33
2622	5,763.08	0	44.08
2626	5,742.76	0	52.87
2629	5,713.54	0	65.51
2630	5,762.27	0	44.43
2633	5,767.94	0	41.97
2634	5,674.83	0	82.26
3470	5,519.00	5	59.19
3620	5,515.00	5	59.63
6590	5,595.50	35	47.28
6610	5,614.00	35	40.84
6640	5,898.00	0	23.18

Alternative #2 With Secondary Fire Flow

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
3	TRUE	33.51
5	TRUE	39.74
6	TRUE	34.55
7	FALSE	30.87
8	TRUE	43.37
10	TRUE	55.09
11	TRUE	53.37
12	TRUE	52.04
15	TRUE	46.99
17	TRUE	38.37
21	FALSE	34.64
24	FALSE	17.4
26	FALSE	16.35
30	FALSE	5.28
32	FALSE	4.45
36	FALSE	6.54
38	FALSE	12.66
40	FALSE	35.51
41	FALSE	36.71
42	FALSE	37.13
43	FALSE	35.42
44	FALSE	34.54
46	FALSE	33.33
47	FALSE	27.45
49	FALSE	33.57
51	FALSE	38.07
54	FALSE	37.34
61	TRUE	58.73
102	TRUE	63.85
103	TRUE	67.54
104	TRUE	72.73
105	TRUE	72.93
109	TRUE	40.79
118	TRUE	73.3
123	FALSE	33.44
128	FALSE	33.89
142	FALSE	40.09
143	FALSE	40.48
144	TRUE	45.69
146	TRUE	68.5
147	TRUE	65.39
148	TRUE	65.39
149	TRUE	65.55
150	TRUE	62.1
151	TRUE	47.24
152	TRUE	46.67
156	FALSE	51.7
158	FALSE	51.19
159	FALSE	45.34
160	FALSE	46.86
161	FALSE	43.96
164	TRUE	77.51
165	TRUE	82.11
167	TRUE	86.48
169	TRUE	89.2
175	TRUE	88.97
176	TRUE	86.42
179	TRUE	76.54
186	TRUE	46.88
187	TRUE	46.99
192	TRUE	61.06
193	TRUE	49.15
194	TRUE	48.91
196	TRUE	71.35
199	TRUE	71.33
200	TRUE	70.17
201	TRUE	66.91
202	TRUE	89.57
205	TRUE	85.65
209	TRUE	73.58
210	TRUE	75.38
211	TRUE	74.9
213	TRUE	74.44
222	TRUE	72.12
239	TRUE	71.67
260	TRUE	69.67
277	TRUE	67.21
282	TRUE	62.57
283	TRUE	62.38
285	TRUE	62.18
286	TRUE	62.4
287	TRUE	61.94
289	TRUE	61.67
290	TRUE	61.39
291	TRUE	61.2
292	TRUE	61.22
293	TRUE	61.29
294	TRUE	61.67
299	TRUE	60.55
300	TRUE	60.24
303	TRUE	59.88
304	TRUE	59.62
308	TRUE	58.55
309	TRUE	58.48
313	TRUE	56.99
314	TRUE	56.65
325	TRUE	61.73
326	TRUE	58.59
327	TRUE	57.2
328	TRUE	55.51
329	TRUE	56.16
330	TRUE	57.37
331	TRUE	59.54
332	TRUE	61.22
333	TRUE	61.53
334	TRUE	60.75
335	TRUE	60.16
336	TRUE	57.98

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
337	TRUE	59.81
338	TRUE	61.13
339	TRUE	61.86
340	TRUE	61.98
341	TRUE	62.95
342	TRUE	62.65
343	TRUE	62.44
344	TRUE	62.6
345	TRUE	61.59
346	TRUE	60.27
348	TRUE	62.92
349	TRUE	62.95
350	TRUE	63.03
351	TRUE	64.68
352	TRUE	65.17
353	TRUE	66.62
354	TRUE	66.61
355	TRUE	66.56
356	TRUE	66.58
357	TRUE	67.04
358	TRUE	66.29
359	TRUE	65.12
360	TRUE	64.5
361	TRUE	63
363	TRUE	64.25
364	TRUE	65.33
365	TRUE	65.87
366	TRUE	66.33
379	TRUE	66.2
383	TRUE	77.47
385	TRUE	81.49
387	TRUE	80.19
390	TRUE	76.43
392	TRUE	70.61
396	TRUE	69.39
399	TRUE	66.45
400	TRUE	67.19
403	TRUE	65
404	TRUE	66.37
405	TRUE	67.28
408	TRUE	67.85
409	TRUE	68.62
410	TRUE	68.84
411	TRUE	68.94
412	TRUE	68.7
415	TRUE	68.54
417	TRUE	67.67
418	TRUE	67.76
419	TRUE	69.28
420	TRUE	69.87
421	TRUE	70.7
422	TRUE	71.35
425	TRUE	70.65
426	TRUE	70.21
427	TRUE	71.51
428	TRUE	71.24
429	TRUE	71.15
440	TRUE	74.28
497	TRUE	60.28
502	TRUE	82.74
510	TRUE	83.52
517	TRUE	76.68
530	TRUE	73.47
531	TRUE	70.8
532	TRUE	72.75
533	TRUE	69.15
534	TRUE	68.46
536	TRUE	68.34
537	TRUE	68.88
538	TRUE	68.39
539	TRUE	69.55
541	TRUE	69.14
546	TRUE	61.13
550	TRUE	63.53
553	TRUE	80.95
555	TRUE	70.51
559	TRUE	52.91
562	TRUE	51.12
568	TRUE	59.12
569	TRUE	61.54
570	TRUE	62.72
572	TRUE	41.23
575	TRUE	54.41
579	TRUE	31.98
580	FALSE	21.42
583	TRUE	94.75
584	TRUE	30.29
585	TRUE	72.95
586	TRUE	72.84
587	TRUE	72.58
588	TRUE	71.7
589	TRUE	71.21
594	TRUE	70.12
605	TRUE	70.28
606	TRUE	71.17
607	TRUE	71.45
608	TRUE	72.26
609	TRUE	72.17
610	TRUE	71.34
611	TRUE	69.64
612	TRUE	69.63
613	TRUE	68.63
614	TRUE	71.41
615	TRUE	70.5
616	TRUE	70.72
617	TRUE	69.2
618	TRUE	68.11
657	TRUE	77.51

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
658	TRUE	46.79
659	TRUE	76.64
660	TRUE	52.77
661	FALSE	49.73
662	TRUE	49.31
663	FALSE	21.6
664	TRUE	47.88
665	FALSE	68.76
666	TRUE	42.26
667	TRUE	53.07
668	FALSE	25.92
669	FALSE	106.87
670	TRUE	51.28
671	TRUE	51.33
672	TRUE	51.28
673	TRUE	51.28
674	TRUE	51.28
675	TRUE	50.85
676	TRUE	55.03
678	TRUE	83.93
679	TRUE	55.59
680	TRUE	87.32
681	TRUE	87.26
682	TRUE	102.64
683	TRUE	72.08
684	TRUE	68.52
685	TRUE	66.71
688	TRUE	76.25
689	TRUE	67.22
690	TRUE	67.06
691	TRUE	67.35
692	TRUE	67.97
693	TRUE	68.21
694	TRUE	71.2
695	TRUE	69.54
696	TRUE	70.45
697	TRUE	71.62
698	TRUE	71.76
699	TRUE	68.72
700	TRUE	69.66
701	TRUE	69.01
702	TRUE	68.57
703	TRUE	63.82
1001	FALSE	16.46
1012	FALSE	10.02
1013	FALSE	10.78
1015	FALSE	13.37
1016	FALSE	14.49
1021	TRUE	42.13
1023	TRUE	42.86
1025	TRUE	48.42
1026	TRUE	49.27
1028	TRUE	51.26
1031	TRUE	52.69
1038	FALSE	37.91
1040	FALSE	38.24
1041	FALSE	29.69
1044	FALSE	28.38
1045	FALSE	33.98
1049	FALSE	37.49
1051	FALSE	34.01
1052	FALSE	33.77
1054	FALSE	28.95
1055	FALSE	19.38
1057	FALSE	7.84
1058	FALSE	6.83
1060	FALSE	5.74
1061	FALSE	4.17
1063	FALSE	1.17
1064	FALSE	13.15
1065	FALSE	17.3
1067	FALSE	16.77
1070	FALSE	16.4
1071	FALSE	36.69
1073	TRUE	38.06
1078	FALSE	36.89
1080	FALSE	33.42
1081	FALSE	36.89
1084	FALSE	38.77
1089	FALSE	38.9
1093	FALSE	38.67
1094	FALSE	36.57
1096	FALSE	36.12
1097	FALSE	40.57
1100	TRUE	35.65
1103	TRUE	38.44
1104	TRUE	35.54
1106	TRUE	40.38
1109	TRUE	46.62
1111	TRUE	47.48
1115	TRUE	47.62
1116	TRUE	59.31
1118	TRUE	70.23
1125	TRUE	54.5
1128	TRUE	42.94
1129	TRUE	28.69
1132	TRUE	28.61
1139	TRUE	49.38
1140	TRUE	49.48
1142	TRUE	41.73
1146	TRUE	51.86
1147	TRUE	82.41
1148	TRUE	82.98
1149	TRUE	89.25
1152	TRUE	89.68
1153	TRUE	89.17
1154	TRUE	84.95
1156	TRUE	81.75

Alternative #2 With Secondary Fire Flow

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
1157	TRUE	79.36
1161	TRUE	78.99
1162	TRUE	76.88
1163	TRUE	83.39
1164	TRUE	89
1167	TRUE	68.56
1168	TRUE	72.65
1171	TRUE	75.47
1172	TRUE	77.49
1175	TRUE	78.17
1176	TRUE	78.36
1178	TRUE	78.33
1181	TRUE	88.6
1183	TRUE	88.9
1185	TRUE	83.91
1186	TRUE	85.68
1187	TRUE	81.28
1188	TRUE	79.06
1190	FALSE	75.82
1193	TRUE	73.93
1194	TRUE	73.85
1196	TRUE	63.77
1207	TRUE	45.52
1208	TRUE	45.66
1210	TRUE	40.33
1214	FALSE	38.02
1217	FALSE	34.48
1218	TRUE	47.53
1222	TRUE	46.47
1228	TRUE	46.82
1229	TRUE	46.3
1235	FALSE	66.11
1237	FALSE	56.62
1239	FALSE	51.65
1245	FALSE	43.61
1246	FALSE	38.69
1247	FALSE	39.51
1249	FALSE	18.2
1250	TRUE	45.7
1253	TRUE	49.21
1263	TRUE	58.88
1264	TRUE	58.15
1266	TRUE	61.16
1268	TRUE	61.63
1269	TRUE	70.36
1270	TRUE	70.22
1272	TRUE	73.23
1275	TRUE	65.18
1278	TRUE	73.88
1280	TRUE	80.15
1281	TRUE	80.75
1286	TRUE	83.39
1293	TRUE	85.3
1294	TRUE	85.89
1297	TRUE	60.5
1299	TRUE	63.18
1300	TRUE	66.4
1302	TRUE	69.45
1304	TRUE	71.87
1309	TRUE	73.14
1311	TRUE	73.93
1312	TRUE	74.11
1317	TRUE	74.56
1319	TRUE	74.3
1320	TRUE	74.19
1321	TRUE	74.24
1322	TRUE	73.8
1323	TRUE	73.28
1326	TRUE	72.81
1327	TRUE	72.45
1328	TRUE	72.26
1329	TRUE	72.22
1330	TRUE	73.58
1332	TRUE	73.63
1333	TRUE	73.49
1334	TRUE	73.73
1336	TRUE	72.98
1339	TRUE	71.22
1341	TRUE	74.55
1343	TRUE	74.15
1345	TRUE	74.84
1346	TRUE	75.13
1347	TRUE	75.03
1349	TRUE	75.45
1351	TRUE	75.66
1352	TRUE	76.93
1355	TRUE	73.71
1357	TRUE	73.19
1359	TRUE	73.06
1361	TRUE	73.5
1363	TRUE	72.95
1366	TRUE	72.58
1368	TRUE	71.96
1369	TRUE	71.97
1371	TRUE	73.03
1373	TRUE	72.02
1378	TRUE	71.71
1379	TRUE	71.79
1381	TRUE	71.29
1382	TRUE	72.17
1384	TRUE	72.77
1386	TRUE	73.38
1389	TRUE	74.57
1390	TRUE	73.75
1394	TRUE	74.64
1396	TRUE	74.04
1399	TRUE	74.28
1401	TRUE	74.73

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
1403	TRUE	73.02
1405	TRUE	72.75
1407	TRUE	74.15
1409	TRUE	74.5
1413	TRUE	73.32
1414	TRUE	72.32
1416	TRUE	71.17
1418	TRUE	71.2
1419	TRUE	71.47
1421	TRUE	71.17
1424	TRUE	70.11
1425	TRUE	70.15
1433	TRUE	69.39
1434	TRUE	70.24
1436	TRUE	71.07
1437	TRUE	71.23
1438	TRUE	70.98
1440	TRUE	71.03
1442	TRUE	70.52
1443	TRUE	70.33
1446	TRUE	70.67
1447	TRUE	70.28
1450	TRUE	69.88
1451	TRUE	69.86
1452	TRUE	71.24
1459	TRUE	69.47
1464	TRUE	68.25
1467	TRUE	68.98
1470	TRUE	71.15
1471	TRUE	70.52
1474	TRUE	69.16
1476	TRUE	68.39
1480	TRUE	68.2
1485	TRUE	67.76
1487	TRUE	67.13
1489	TRUE	66.78
1490	TRUE	71.27
1493	TRUE	70.89
1494	TRUE	70.69
1497	TRUE	70.57
1498	TRUE	70.35
1500	TRUE	70.15
1504	TRUE	73.12
1507	TRUE	74.17
1509	TRUE	71.79
1512	TRUE	73.23
1516	TRUE	72.49
1518	TRUE	70.4
1521	TRUE	70.86
1522	TRUE	71.22
1524	TRUE	71.62
1526	TRUE	71.68
1529	TRUE	70.91
1530	TRUE	70.57
1532	TRUE	70.5
1534	TRUE	70.12
1536	TRUE	68.7
1539	TRUE	70.68
1541	TRUE	70.71
1543	TRUE	70.63
1548	TRUE	72.28
1562	TRUE	72.59
1576	TRUE	69.63
1581	TRUE	70.73
1582	TRUE	68.9
1585	TRUE	69.88
1586	TRUE	71.27
1588	TRUE	72.12
1590	TRUE	72.91
1592	TRUE	73.63
1593	TRUE	73
1594	TRUE	71.84
1596	TRUE	71.2
1598	TRUE	70.45
1599	TRUE	68.36
1602	TRUE	67.39
1604	TRUE	66.61
1606	TRUE	65.53
1607	TRUE	66.47
1609	TRUE	66.7
1610	TRUE	67.12
1613	TRUE	68.71
1615	TRUE	69.56
1617	TRUE	70.2
1619	TRUE	71.56
1620	TRUE	69.08
1621	TRUE	67.88
1622	TRUE	67.23
1625	TRUE	67.15
1626	TRUE	65.67
1627	TRUE	64.97
1628	TRUE	64.87
1630	TRUE	63.69
1632	TRUE	62.45
1634	TRUE	61.68
1635	TRUE	63.54
1636	TRUE	63.27
1637	TRUE	63.49
1638	TRUE	64.11
1639	TRUE	64.57
1640	TRUE	64.6
1641	TRUE	64.88
1642	TRUE	64.45
1643	TRUE	64.85
1644	TRUE	66.35
1645	TRUE	62.05
1647	TRUE	61
1648	TRUE	60.09

Label	Satisfies Fire Flow Constraints?	Pressure (psi)
1649	TRUE	60.03
1650	TRUE	60.94
1651	TRUE	59.49
1652	TRUE	60.03
1653	TRUE	60.4
1654	TRUE	60.23
1655	TRUE	60.52
1656	TRUE	60.13
1658	TRUE	83.59
1659	TRUE	83.64
1660	TRUE	84.97
1662	TRUE	84.73
1664	TRUE	74.56
1666	TRUE	79.55
1668	TRUE	82.18
1670	TRUE	81.96
1673	TRUE	79.97
1674	TRUE	77.49
1676	TRUE	78.68
1677	TRUE	77.79
1678	TRUE	77.54
1679	TRUE	77.08
1680	TRUE	75.99
1681	TRUE	76.27
1683	TRUE	77.16
1684	TRUE	76.55
1685	TRUE	77.63
1687	TRUE	79.18
1688	TRUE	84.34
1690	TRUE	83.1
1691	TRUE	82.82
1693	TRUE	82.58
1694	TRUE	79.85
1695	TRUE	82.09
1696	TRUE	83.02
1697	TRUE	83.62
1698	TRUE	83.56
1704	TRUE	70.19
1705	TRUE	69.41
1710	TRUE	69.62
1714	TRUE	63.69
1715	TRUE	60.53
1716	TRUE	61.29
1717	TRUE	61.14
1718	TRUE	69.01
1719	TRUE	61.93
1720	TRUE	69.36
1722	TRUE	71.57
1723	TRUE	76.83
1724	TRUE	80.32
1726	TRUE	47.1
1727	TRUE	51.18
1728	TRUE	50.65
1729	TRUE	52.21
1732	TRUE	52.56
1733	TRUE	52.53
1734	TRUE	53.22
1735	TRUE	54.09
1736	TRUE	45.28
1743	TRUE	44.72
1753	TRUE	70.53
1754	TRUE	70.15
1755	TRUE	70.33
1756	TRUE	68.57
1757	TRUE	68.29
1758	TRUE	68.48
1759	TRUE	68.18
1761	TRUE	67.78
1763	TRUE	69.89
1764	TRUE	70.21
1765	TRUE	70.08
1767	TRUE	71.61
1768	TRUE	71.4
1771	TRUE	69.82
1772	TRUE	68.29
1775	TRUE	68.78
1776	TRUE	67.24
1777	TRUE	66.87
1778	TRUE	67.44
1779	TRUE	66.62
1781	TRUE	69.44
1782	TRUE	69.59
1784	TRUE	70.57
1785	TRUE	70.59
1786	TRUE	81.29
1787	TRUE	79.51
1788	TRUE	76.45
1789	TRUE	78.28
1791	TRUE	77.13
1797	TRUE	71.71
1798	TRUE	66.53
1799	TRUE	65.79
1800	TRUE	47.64
1802	TRUE	50.03
1805	TRUE	53.48
1806	TRUE	56.63
1809	TRUE	58.09
1811	TRUE	59
1812	TRUE	57.72
1815	TRUE	54.64
1816	TRUE	51.85
1819	TRUE	49.42
1820	TRUE	49.66
1835	TRUE	61.4
1887	TRUE	60.93
1888	TRUE	58.83
1889	TRUE	57.89
1892	TRUE	56.2

Alternative #2 With Secondary Fire Flow

Label	Satisfies Fire	
	Flow Constraints?	Pressure (psi)
1894	TRUE	55.79
1898	TRUE	55.24
1900	TRUE	56.15
1903	TRUE	56.03
1904	TRUE	56.07
1906	TRUE	55.62
1908	TRUE	57.56
1909	TRUE	58.22
1910	TRUE	58.8
1911	TRUE	59.58
1912	TRUE	59.56
1914	TRUE	60
1916	TRUE	60.28
1917	TRUE	60.45
1918	TRUE	61.11
1919	TRUE	60.96
1921	TRUE	61.41
1923	TRUE	62.23
1924	TRUE	62.68
1925	TRUE	62.49
1926	TRUE	61.64
1927	TRUE	77.13
1928	TRUE	67.98
2619	TRUE	40.83
2621	TRUE	74.33
2622	FALSE	46.23
2626	TRUE	55.03
2629	FALSE	67.66
2630	FALSE	46.58
2633	FALSE	44.13
2634	FALSE	84.42
3470	TRUE	62.63
3620	TRUE	63.55
6590	TRUE	50.66
6610	TRUE	44.13
6640	FALSE	23.71

Secondary Alt. #1 Peak Instantaneous

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
3	5,551.20	1,342.93	66.32
10	5,547.50	18.65	69.06
15	5,597.90	319.74	114.43
24	5,714.80	23.98	64.9
26	5,717.20	10.66	63.77
30	5,742.80	10.66	52.68
36	5,739.90	23.98	53.99
42	5,701.80	13.32	73.6
46	5,715.75	13.32	67.56
47	5,733.00	13.32	60.09
49	5,723.90	0	64.03
51	5,720.85	13.32	66.49
54	5,709.00	0	71.41
61	5,603.00	31.97	117.86
103	5,543.80	29.31	72.05
105	5,548.60	31.97	70.97
109	5,635.50	21.32	99.03
123	5,682.75	15.99	79.55
143	5,635.00	34.64	103.5
146	5,567.50	37.3	63.92
149	5,581.90	39.97	58.21
151	5,616.70	21.32	42.63
152	5,623.30	61.28	108.61
164	5,539.00	10.66	76.94
169	5,511.50	29.31	89.07
175	5,517.00	42.63	87.04
176	5,527.00	29.31	82.73
187	5,627.00	7.99	107.17
192	5,595.00	26.65	121.32
199	5,570.10	28.85	64.55
209	5,482.00	18.22	102.91
210	5,480.00	18.65	104.01
211	5,481.50	15.99	103.43
213	5,483.00	18.65	102.89
222	5,490.50	287.77	101.04
239	5,491.00	10.66	100.38
277	5,503.00	109.25	103.82
278	5,548.20	29.31	73.22
285	5,520.50	13.32	103.02
286	5,520.00	10.66	103.23
288	5,497.94	29.31	95.85
289	5,516.65	47.96	88.31
290	5,504.72	138.56	92.44
291	5,492.39	37.3	97.91
292	5,523.00	21.32	102.49
293	5,487.90	37.3	100.2
299	5,525.00	23.98	102.23
304	5,527.80	15.99	101.87
308	5,531.00	15.99	101.51
309	5,530.00	10.66	101.49
313	5,537.00	183.85	99.34
325	5,530.00	18.65	103.33
327	5,539.54	21.32	98.67
329	5,541.50	21.32	97.62
331	5,533.20	18.65	100.99
333	5,527.90	18.65	102.97
334	5,525.80	26.65	102.76
335	5,525.80	37.3	101.32
336	5,530.50	34.64	98.92
341	5,530.50	50.63	98.1
343	5,519.60	29.31	103.06
344	5,519.20	21.32	103.22
348	5,516.80	31.97	103.23
349	5,516.40	29.31	102.82
351	5,511.90	31.97	103.91
354	5,506.20	29.31	104
356	5,505.70	13.32	103.83
357	5,504.90	29.31	104.59
359	5,510.90	47.96	104.33
363	5,512.90	42.63	103.64
365	5,508.20	37.3	103.79
383	5,548.10	132.64	100.56
385	5,538.80	0	104.58
392	5,496.20	10.66	96.12
396	5,499.00	149.21	94.95
399	5,505.80	7.99	92.04
403	5,507.00	13.32	91.38
404	5,506.20	13.32	91.72
408	5,502.80	21.32	93.18
409	5,501.00	15.99	93.96
411	5,500.25	13.32	94.29
415	5,501.10	18.65	93.94
420	5,498.20	23.98	95.18
421	5,496.20	21.32	96.05
425	5,496.20	15.99	96.07
429	5,495.00	15.99	96.6
531	5,574.00	79.94	132.85
546	5,595.00	47.96	121.66
553	5,551.00	26.65	72.42
555	5,576.10	39.97	131.47
559	5,616.50	31.97	112.37
572	5,649.50	15.99	98.33
575	5,606.00	1,068.48	121.73
585	5,492.20	37.3	98.55
606	5,496.50	18.65	95.79
607	5,495.80	26.65	96.08
608	5,493.90	96.3	96.3
613	5,502.20	151.88	93.15
618	5,503.50	151.88	92.56
680	5,501.00	18.65	92.99
681	5,499.50	21.32	93.7
683	5,490.00	39.97	102.53
684	5,501.00	290.43	94.31
685	5,505.00	159.87	103.58
688	5,478.00	18.22	105.78
689	5,467.00	743.41	100.83
690	5,468.00	0	100.99
691	5,468.00	0	101.62
692	5,467.00	743.41	102.45
693	5,473.00	764.72	108.97

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
694	5,496.00	764.72	106.38
695	5,468.00	22.99	106.29
696	5,451.00	18.22	108.66
697	5,450.00	0	103.35
698	5,450.00	18.22	118.63
699	5,455.00	18.22	112.31
700	5,468.00	764.72	107.67
701	5,457.00	18.22	107.86
702	5,455.00	2,664.54	97.51
703	5,471.00	2,664.54	95.39
704	5,576.04	10.66	88.03
705	5,551.93	23.98	81.01
706	5,543.77	0	115.05
1025	5,630.94	18.65	106.69
1031	5,619.18	15.99	112.3
1041	5,735.01	0	59.23
1052	5,676.91	10.66	81.74
1054	5,688.12	18.65	76.67
1061	5,745.36	15.99	51.58
1066	5,715.01	122.57	64.69
1071	5,661.68	111.91	87.93
1081	5,670.61	255.8	84.2
1084	5,662.13	31.97	87.7
1093	5,657.90	0	89.39
1097	5,653.50	122.57	91.27
1100	5,651.87	15.99	91.97
1103	5,640.92	13.32	96.69
1109	5,617.15	21.32	106.97
1115	5,611.41	21.32	109.45
1118	5,558.67	31.97	67.03
1129	5,551.90	0	59.95
1132	5,551.93	0	59.88
1142	5,622.87	588.86	103.67
1148	5,514.49	34.64	86.54
1152	5,504.72	31.97	91.54
1161	5,529.97	39.97	80.42
1163	5,525.19	26.65	83
1178	5,482.76	0	102.44
1187	5,540.30	47.96	76.73
1193	5,546.22	31.97	74.09
1207	5,623.34	26.65	108.56
1210	5,635.34	21.32	103.36
1249	5,710.49	55.96	71.18
1253	5,627.55	69.28	107.15
1275	5,585.35	37.3	58.76
1280	5,492.77	21.32	98.52
1293	5,531.00	37.3	81.93
1299	5,519.33	23.98	86.97
1300	5,511.20	47.96	90.49
1302	5,503.49	47.96	93.83
1304	5,497.32	47.96	96.51
1309	5,493.87	34.64	98.03
1311	5,491.63	31.97	99.04
1312	5,490.86	143.89	99.44
1317	5,489.14	0	100.33
1319	5,489.12	26.65	100.51
1321	5,488.56	74.61	100.96
1330	5,486.58	21.32	102.29
1334	5,485.34	15.99	102.17
1339	5,490.89	15.99	99.62
1341	5,483.18	21.32	102.96
1346	5,481.40	21.32	103.58
1351	5,479.74	18.65	104.19
1357	5,486.41	23.98	101.57
1361	5,485.70	39.97	101.87
1366	5,487.90	21.32	100.97
1369	5,489.31	15.99	100.36
1381	5,491.97	21.32	102.57
1389	5,484.38	143.89	105.81
1396	5,485.63	143.89	105.29
1407	5,485.39	143.89	105.51
1416	5,492.39	18.65	103.42
1419	5,491.67	23.98	103.51
1425	5,494.83	29.31	102.86
1433	5,496.64	34.64	102.33
1440	5,492.77	10.66	103.68
1446	5,493.75	29.31	104.54
1459	5,496.48	39.97	103.06
1464	5,499.38	29.31	102.58
1470	5,492.71	21.32	105.59
1476	5,499.21	218.49	104.21
1489	5,504.41	218.49	103.58
1490	5,492.46	764.72	105.7
1493	5,493.53	764.72	105.29
1494	5,494.32	764.72	105.12
1497	5,495.09	764.72	105.11
1498	5,496.36	764.72	105.09
1500	5,497.86	764.72	105.22
1509	5,492.61	15.99	98.59
1516	5,493.53	26.65	98.22
1526	5,495.79	26.65	97.19
1532	5,498.93	29.31	95.59
1539	5,498.01	122.57	95.4
1541	5,497.94	0	95.45
1548	5,494.02	23.98	96.92
1562	5,493.17	34.64	97.21
1576	5,499.93	34.64	94.29
1581	5,498.57	138.56	95.19
1582	5,502.83	31.97	93.39
1588	5,495.61	42.63	96.94
1596	5,498.23	42.63	95.77
1602	5,506.89	31.97	91.65
1604	5,508.69	138.56	90.83
1606	5,511.78	138.56	89.5
1607	5,509.62	31.97	90.48
1615	5,502.59	26.65	93.86
1622	5,508.58	42.63	91.26
1628	5,513.93	154.54	88.62
1630	5,516.65	15.99	87.44
1634	5,521.94	138.56	85.09

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1636	5,518.30	31.97	86.72
1641	5,514.65	42.63	88.62
1650	5,524.47	42.63	84.37
1654	5,526.02	31.97	83.38
1656	5,526.24	138.56	83.24
1659	5,538.78	15.99	77.78
1670	5,543.77	98.59	75.54
1673	5,548.16	149.21	73.65
1687	5,548.20	26.65	74.38
1697	5,489.31	31.97	99.25
1705	5,574.12	85.27	62.54
1710	5,573.21	0	63.3
1720	5,576.04	63.95	61.65
1729	5,618.87	23.98	111.59
1743	5,637.21	23.98	103.41
1753	5,497.65	31.97	95.42
1757	5,502.17	53.29	93.45
1765	5,498.24	23.98	95.16
1767	5,493.99	18.65	97.02
1771	5,498.12	18.65	95.24
1775	5,500.61	21.32	94.14
1776	5,504.10	26.65	92.65
1778	5,503.73	23.98	92.78
1779	5,505.46	15.99	92.12
1782	5,498.60	31.97	95.08
1785	5,496.27	26.65	96.07
1787	5,543.37	0	102.61
1788	5,550.46	0	99.54
1789	5,546.22	0	101.37
1799	5,575.06	173.2	92.5
1800	5,568.11	114.56	94.35
1809	5,544.69	31.97	102.76
1811	5,542.37	170.53	103.79
1819	5,563.83	189.18	95.22
1835	5,534.80	173.2	102.34
1888	5,533.69	93.26	101.43
1898	5,541.06	18.65	97.58
1903	5,539.05	93.26	98.44

Secondary Alternative #2 Peak Instantaneous

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
3	5,551.20	1,342.93	76.79
10	5,547.50	18.65	79.88
15	5,597.90	319.74	112.76
24	5,714.80	23.98	63.41
26	5,717.20	10.66	62.25
30	5,742.80	10.66	51.16
36	5,739.90	23.98	52.49
42	5,701.80	13.32	73.04
46	5,715.75	13.32	67
47	5,733.00	13.32	59.54
49	5,723.90	0	63.48
51	5,720.85	13.32	66
54	5,709.00	0	70.85
61	5,603.00	31.97	117.42
103	5,543.80	29.31	83.29
105	5,548.60	31.97	82.5
109	5,635.50	21.32	97.69
123	5,682.75	15.99	78.31
143	5,635.00	34.64	102.95
146	5,567.50	37.3	75.46
149	5,581.90	39.97	69.78
151	5,616.70	21.32	54.16
152	5,623.30	61.28	108.07
164	5,539.00	10.66	88.53
169	5,511.50	29.31	100.81
175	5,517.00	42.63	98.65
176	5,527.00	29.31	94.32
187	5,627.00	7.99	106.67
192	5,595.00	26.65	120.87
199	5,570.10	26.65	75.9
209	5,482.00	18.22	116.56
210	5,480.00	18.65	117.46
211	5,481.50	15.99	116.84
213	5,483.00	18.65	116.26
222	5,490.50	287.77	114.32
239	5,491.00	10.66	113.66
277	5,503.00	109.25	114.45
278	5,548.20	29.31	84.74
285	5,520.50	13.32	111.9
286	5,520.00	10.66	112.12
288	5,497.94	29.31	107.64
289	5,516.65	47.96	99.72
290	5,504.72	138.56	104.15
291	5,492.39	37.3	109.65
292	5,523.00	21.32	111.16
293	5,487.90	37.3	111.93
299	5,525.00	23.98	110.67
304	5,527.80	15.99	110
308	5,531.00	15.99	109.3
309	5,530.00	10.66	109.44
313	5,537.00	183.85	106.8
325	5,530.00	18.65	110.81
327	5,539.54	21.32	106.31
329	5,541.50	21.32	105.32
331	5,533.20	18.65	108.77
333	5,527.90	18.65	110.88
334	5,525.80	26.65	111.06
335	5,525.80	37.3	110.17
336	5,530.50	34.64	107.9
341	5,530.50	50.63	107.25
343	5,519.60	29.31	112.18
344	5,519.20	21.32	112.35
348	5,516.80	31.97	112.55
349	5,514.40	29.31	112.32
351	5,511.90	31.97	113.53
354	5,506.20	29.31	114.09
356	5,505.70	13.32	114
357	5,504.90	29.31	114.61
359	5,510.90	47.96	113.94
363	5,512.90	42.63	113.21
365	5,508.20	37.3	113.74
383	5,548.10	132.64	101.4
385	5,538.80	0	105.42
392	5,496.20	10.66	108.13
396	5,499.00	149.21	106.95
399	5,505.80	7.99	104.04
403	5,507.00	13.32	103.41
404	5,506.20	13.32	103.75
408	5,502.80	21.32	105.22
409	5,501.00	15.99	106
411	5,500.25	13.32	106.33
415	5,501.10	18.65	105.97
420	5,498.20	23.98	107.22
421	5,496.20	21.32	108.09
425	5,496.20	15.99	108.1
429	5,495.00	15.99	108.62
531	5,574.00	79.94	132.85
546	5,595.00	47.96	121.33
553	5,551.00	26.65	84.14
555	5,576.10	39.97	131.47
559	5,616.50	31.97	112.04
572	5,649.50	15.99	98.07
575	5,606.00	1,068.48	121.73
585	5,492.20	37.3	111.29
606	5,496.50	18.65	107.86
607	5,495.80	26.65	108.15
608	5,493.90	31.97	107.76
613	5,502.20	151.88	105.18
618	5,503.50	151.88	104.57
680	5,501.00	18.65	104.88
681	5,499.50	21.32	105.61
683	5,490.00	39.97	115.6
684	5,501.00	290.43	106.27
685	5,505.00	159.87	113.97
688	5,478.00	18.22	119.11
689	5,467.00	743.41	116.76
690	5,468.00	0	116.92
691	5,468.00	0	117.54
692	5,467.00	743.41	118.37
693	5,473.00	764.72	125.24

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
694	5,496.00	764.72	117.92
695	5,468.00	22.99	122.19
696	5,451.00	18.22	124.83
697	5,450.00	0	119.32
698	5,450.00	18.22	135.09
699	5,455.00	18.22	128.65
700	5,468.00	764.72	123.69
701	5,457.00	18.22	123.94
702	5,455.00	2,664.54	113.56
703	5,471.00	2,664.54	111.34
704	5,576.04	10.66	92.05
705	5,551.93	23.98	92.22
706	5,543.77	0	107.71
1025	5,630.94	18.65	106.53
1031	5,619.18	15.99	112.3
1041	5,735.01	0	58.67
1052	5,676.91	10.66	80.39
1054	5,688.12	18.65	75.25
1061	5,745.36	15.99	50.06
1066	5,715.01	122.57	63.17
1071	5,661.68	111.91	86.58
1081	5,670.61	255.8	82.95
1084	5,662.13	31.97	86.4
1093	5,657.90	0	88.05
1097	5,653.50	122.57	89.93
1100	5,651.87	15.99	90.63
1103	5,640.92	13.32	95.35
1109	5,617.15	21.32	105.62
1115	5,611.41	21.32	108.1
1118	5,558.67	31.97	78.57
1129	5,551.90	0	75.91
1132	5,551.93	31.97	75.84
1142	5,622.87	588.86	102
1148	5,514.49	34.64	98.33
1152	5,504.72	31.97	103.37
1161	5,529.97	39.97	92.11
1163	5,525.19	26.65	94.65
1178	5,482.76	0	115.13
1187	5,540.30	47.96	88.26
1193	5,546.22	31.97	85.59
1207	5,623.34	26.65	108.02
1210	5,635.34	21.32	102.81
1249	5,710.49	55.96	70.69
1253	5,627.55	69.28	106.7
1275	5,585.35	37.3	69.98
1280	5,492.77	21.32	110.08
1293	5,531.00	37.3	93.63
1299	5,519.33	23.98	98.84
1300	5,511.20	47.96	102.5
1302	5,503.49	47.96	106.01
1304	5,497.32	47.96	108.89
1309	5,493.87	34.64	110.65
1311	5,491.63	31.97	111.93
1312	5,490.86	143.89	112.64
1317	5,489.14	0	113.55
1319	5,489.12	26.65	113.72
1321	5,488.56	74.61	114.2
1330	5,486.58	21.32	115.57
1334	5,485.34	15.99	115.48
1339	5,490.89	15.99	112.96
1341	5,483.18	21.32	116.3
1346	5,481.40	21.32	116.95
1351	5,479.74	18.65	117.6
1357	5,486.41	23.98	114.91
1361	5,485.70	39.97	115.2
1366	5,487.90	21.32	114.29
1369	5,489.31	15.99	113.68
1381	5,491.97	21.32	115.36
1389	5,484.38	143.89	118.4
1396	5,485.63	143.89	117.87
1407	5,485.39	143.89	118.04
1416	5,492.39	18.65	115.77
1419	5,491.67	23.98	115.92
1425	5,494.83	29.31	115.04
1433	5,496.64	34.64	114.4
1440	5,492.77	10.66	115.83
1446	5,493.75	29.31	116.3
1459	5,496.48	39.97	114.99
1464	5,499.38	29.31	114.21
1470	5,492.71	21.32	117.09
1476	5,499.21	218.49	115.26
1489	5,504.41	218.49	114.09
1490	5,492.46	764.72	117.26
1493	5,493.53	764.72	117.02
1494	5,494.32	764.72	116.97
1497	5,495.09	764.72	117.02
1498	5,496.36	764.72	116.95
1500	5,497.86	764.72	116.88
1509	5,492.61	15.99	111.43
1516	5,493.53	26.65	111.06
1526	5,495.79	26.65	110.01
1532	5,498.93	29.31	108.24
1539	5,498.01	122.57	107.55
1541	5,497.94	0	107.6
1548	5,494.02	23.98	109
1562	5,493.17	34.64	109.28
1576	5,499.93	34.64	106.36
1581	5,498.57	138.56	107.31
1582	5,502.83	31.97	105.51
1588	5,495.61	42.63	109.42
1596	5,498.23	42.63	108.1
1602	5,506.89	31.97	103.75
1604	5,508.69	138.56	102.93
1606	5,511.78	138.56	101.56
1607	5,509.62	31.97	102.54
1615	5,502.59	26.65	106.06
1622	5,508.58	42.63	103.33
1628	5,513.93	154.54	100.63
1630	5,516.65	15.99	99.45
1634	5,521.94	138.56	97.01

Label	Elevation (ft)	Base Flow (gpm)	Pressure (psi)
1636	5,518.30	31.97	98.66
1641	5,514.65	42.63	100.59
1650	5,524.47	42.63	96.25
1654	5,526.02	31.97	95.24
1656	5,526.24	138.56	95.09
1659	5,538.78	15.99	89.54
1670	5,543.77	98.59	87.26
1673	5,548.16	149.21	85.36
1687	5,548.20	26.65	86
1697	5,489.31	31.97	111.04
1705	5,574.12	85.27	74.27
1710	5,573.21	0	75.01
1720	5,576.04	63.95	73.37
1729	5,618.87	23.98	111.33
1743	5,637.21	23.98	103.08
1753	5,497.65	31.97	107.49
1757	5,502.17	53.29	105.5
1765	5,498.24	23.98	107.22
1767	5,493.99	18.65	109.05
1771	5,498.12	18.65	107.27
1775	5,500.61	21.32	106.18
1776	5,504.10	26.65	104.68
1778	5,503.73	23.98	104.82
1779	5,505.46	15.99	104.14
1782	5,498.60	31.97	107.09
1785	5,496.27	26.65	108.09
1787	5,543.37	0	103.45
1788	5,550.46	0	100.38
1789	5,546.22	0	102.21
1799	5,575.06	173.2	93.06
1800	5,568.11	114.56	95.92
1809	5,544.69	31.97	103.92
1811	5,542.37	170.53	105.07
1819	5,563.83	189.18	97.64
1835	5,534.80	173.2	104.45
1888	5,533.69	93.26	108.81
1898	5,541.06	18.65	105.0