WATER UTILITY MASTER PLAN

Incline Village General Improvement District

March 2024

Prepared for:

Incline Village General Improvement District
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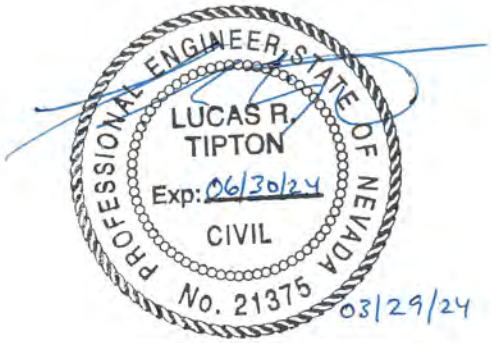
Water Utility Master Plan

Prepared for:

Incline Village General Improvement District



Luke Tipton, P.E.

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EXECUTIVE SUMMARY

This water system master plan (Plan) documents system trends and capacity, infrastructure condition and performance, and provides a plan for near and long-term capital improvement and replacement needs. This executive summary provides a snapshot of the key findings from each section of the Plan. In total, the Plan is comprised of five sections detailing the source, disinfection, storage, and distribution components of the water system.

SECTION 1.0 – HISTORICAL, CURRENT, AND FUTURE DEMANDS

Incline Village General Improvement District currently provides service to 4,291 metered residential and commercial customers within its service area including the Diamond Peak Ski Resort. Annual water demands range from 2,568 to 3,180 acre-feet per year with an Average Annual Day Demand of 2.5 million gallons per day. Maximum Day Demands are 2.1 times the Average Annual Day Demand with a Peak Hour Demand approximately 5.1 times the Average Annual Day Demand.

Table ES-1: System Demand Summary, 2020-2023

System Demand	2020	2021	2022	2023	Average
Average Annual Demand (AFA)	2,967	3,180	2,568	2,568	2,821
Average Day Demand (gpm)	1,840	1,971	1,592	1,592	1,749
Max Day Demand (gpm)	3,903	4,182	3,378	3,377	3,710
Peak Hour Demand (gpm)	9,412	10,086	8,147	8,145	8,947

As identified within the 2021 Washoe County Tahoe Area Plan, 1,012 of the 1,239 vacant lots within the IVGID service area are publicly owned. The remaining 227 lots were considered for the buildout demand scenario which represents a customer count increase of only 5.3% from the existing customer count. The buildout projections presented in Section 1.5 indicate that the water demands within the IVGID system may increase by approximately 3% based on the average water production over the last four years.

Table ES-2: Existing and Future System Demand Summary

System Demand	Existing System	Projected Buildout
Average Annual Demand (AFA)	2,821	2,909
Average Day Demand (gpm)	1,749	1,803
Max Day Demand (gpm)	3,710	3,826
Peak Hour Demand (gpm)	8,947	9,226

SECTION 2.0 – CONDITION ASSESSMENT AND RISK ANALYSIS

The water distribution system is comprised of infrastructure ranging from 1 to 60 years old. The system consists of approximately 105 miles of water mains, 13 storage tanks, 13 booster pump stations, and 21 pressure zones. Water mains range in size from 6 to 24-inches in diameter and contains PVC, Ductile Iron, Asbestos Cement Pipe, Steel, and High Density Polyethylene pipe. One key discovery made during the preparation of the master plan was that condition assessment scoring data did not exist for the water system, so the project team developed a risk evaluation matrix based on previous risk assessment studies. The developed matrix consists of several categories and weighting factors unique to the Incline Village General Improvement District water distribution system, land uses, infrastructure location, and operations. From these categories and weighting factors, a risk score for each pipe was determined. These scores are used to evaluate relative risk throughout the system and act as an instrument to develop a capital improvement plan. An overall risk template approach for determining the consequence and likelihood risk scores for the water distribution system has been developed with this document.

In general, the results did not reveal a specific region within the system with widespread issues. However, pockets of high-risk pipe areas were identified along State Route 28, Golfers Pass Road, and Lunar Court. The high-risk areas are primarily located near waterways. Pressure Reducing Stations were categorized into different risk categories based on their age, and the stations that were classified as high risk are those that are older. When assessing water service saddles, the evaluation considered both operator input and age data obtained from GIS. Based on this information, the high-risk service saddles are primarily concentrated in the northwest portion of the service area.

Risk is only one of several parameters used when evaluating the water utility for prioritized reconstruction and/or rehabilitation. The results of this risk assessment should be used in conjunction with the operator input, rehabilitation technologies, project cost, and utility water planning objectives prior to initiating an asset replacement program. As the Incline Village General Improvement District collects condition assessment data in the future it will be able to incorporate and modify the parameter ranges of risk categories. As condition data for the entire water distribution system is incorporated into the risk assessment template, it will be possible to score the consequences and likelihood of risks confidently and accurately.

SECTION 3.0 – DISTRIBUTION SYSTEM OVERVIEW AND CAPACITY ANALYSIS

The system operates by pulling source water from Lake Tahoe, treating it at the Burnt Cedar Water Disinfection Plant, and then moving the water gradient via pump stations to multiple storage reservoirs serving the various pressure zones. Several lower elevation pressure zones are served through Pressure Reducing Stations connected to higher zones connected directly to the storage reservoirs. The Crystal Bay area of the system is fed through a single 8-inch distribution main.

The water system utilizes water booster pump stations to move water from the lower HGL zones to higher HGL zones. All pump stations within the system have similar construction and layouts with a few exceptions. The typical pump station is comprised of two to three pumps controlled by the tank levels of the terminal tank. System storage is made up of 13 welded steel storage

reservoirs. The levels within each storage reservoir control booster pump operations and provide head for their respective pressure zones.

Existing system demands and peaking factors were developed using water production and metering data provided by the District. A description of how these demands were calculated can be found in Section 1.0. Utilizing the metering data, individual customer demands allocated geographically to the system pressure zones and then totaled. The existing Average Day Demand, Maximum Day Demand, and Peak Hourly Demand for all pressure zones is summarized in Table ES-3.

Table ES-3: IVGID Existing Pressure Zone Demand Summary

Pressure Zone	ADD (gpm)	MDD (gpm)	PHD (gpm)
1	748	1,587	3,826
1E	8	18	43
1F	39	83	201
2	91	193	466
2A	10	21	49
2D	254	540	1,301
3	234	496	1,196
3A	5	11	28
3B	5	10	24
4	98	207	500
4B	18	39	93
4D	4	8	20
5	30	63	152
5-3	108	229	551
5B	21	44	106
5C	10	21	50
6	34	72	175
6B	2	4	11
6C	4	8	20
7B	12	26	64
8B	14	30	72

System capacity for both the existing system demand and projected buildout demand scenarios of the water system was determined using two different methodologies. First, a storage and supply analysis of the system was used to verify that capacity was available to serve the system connections. Second, water pressure, pipe velocity, and system fire flow analyses were used to determine if the distribution infrastructure was sufficient to convey the necessary water to meet the system demands. Per the calculations performed, the total system, as well as the designated areas previously shown, the system has adequate storage and supply capacity for

both Maximum Day and Peak Hourly demand scenarios. Table ES-4 shows the existing system capacity calculation results.

Table ES-4: Existing System Storage and Supply Capacity Summary

Pressure Zones	MDD Remaining Capacity (gal)	PHD Remaining Capacity (gal)
Crystal Bay (1E, 1F, 2A, 3A)	2,805,974	2,535,684
1, 2, 2D	7,316,786	2,601,985
5-3	3,917,321	3,452,680
3	6,633,181	5,625,418
4, 4D	6,343,159	5,904,693
5	4,686,312	4,558,148
3B, 4B, 5B, 5B-4	2,741,099	2,553,209
5C, 6C	598,188	539,545
6	3,241,634	3,094,381
6B, 7B, 8B	514,185	390,565
Total System	**8,435,438**	**893,906**

The fire flow scenario is modeled at existing fire hydrants throughout the system while maintaining a 20 psi residual pressure throughout the pressure zone. Table ES-5 summarizes the minimum fire flow within the hydraulic model assuming a fire flow demand occurred during the MDD demand scenario.

Table ES-5: Existing Hydraulic Model Minimum Fire Flow Summary

Pressure Zone	Minimum Available Fire Flow (gpm)
1	1,500
1E	2,500
1F	1,000
2	1,600
2A	**500**
2D	1,000
3	**300**
3A	**900**
3B	1,400
4	1,000
4B	1,200
4D	**800**
5	1,500
5-3	5,000+
5B	**600**
5C	1,000
6	**600**
6B	1,400
6C	1,900
7B	1,700
8B	**200**

Multiple pressure zones do not meet Maximum Day Demand or Peak Hourly Demand pressure requirements, have minimum fire flows of less than 1,500 gpm, or velocities that exceed 8 fps. Further investigation and discussion on these pressure zones are discussed in Section 2.0.

As limited growth is anticipated, the buildout scenario for the IVGID system shows that adequate capacity is available in the existing infrastructure to be able to serve MDD buildout demands.

SECTION 4.0 – WATER DISINFECTION PLANT

Currently, the Incline Village General Improvement District owns and operates the Burnt Cedar Water Disinfection Plant which is capable of producing up to 5,900 gallons per minute (gpm) or 8.5 million gallons per day (mgd) of drinking water for Incline Village and Crystal Bay. The source water for the facility is Lake Tahoe, and the water meets the U.S. Environmental Protection Agency filtration avoidance criteria, so the water treated at the facility is currently unfiltered. Average monthly water demands indicate the plant is adequately sized for the near future.

Construction of the original ozone system was commissioned in 1995. An improvements project, undertaken in 2012, added ultraviolet disinfection to meet the federally mandated compliance requirements of the Long Term 2 Surface Water Treatment Rule. The plant currently uses a combination of ozone and UV light to disinfect drinking water which allows the Incline Village General Improvement District to maintain a filtration waiver while continuing to maintain compliance with the federal Surface Water Treatment Rule. Upgrades have occurred over the life of the plant and only current conditions are discussed in this document.

The Raw Water Intake and Low Lift Pump Station convey raw water from Lake Tahoe through the facility. Raw water is drawn from the lake through a horizontal screen in a manhole type structure which connects to a 24-inch intake pipeline that extends approximately 650 feet from the shoreline into the lake. The Raw Water Intake pipeline is connected to the Low Lift Pump Station. The Low Lift Pump Station contains two 77 hp rail-guided, adjustable speed, submersible pumps, each with a maximum capacity of approximately 3,000 gpm. The Ozone Disinfection System is comprised of a liquid oxygen system, ozone generator system, ozone injection system, ozone contactor, and off-gas destruction units.

The primary purpose of the UV Disinfection System is to meet required *Giardia* and *Cryptosporidium* inactivation in accordance with the *Ultraviolet Disinfection Guidance Manual for the Final Long Term 2 Enhanced Surface Water Treatment Rule.* The required UV dose for 3-log *Giardia* inactivation is 11 mJ/cm2, and for 3-log *Cryptosporidium* inactivation the dose required is 12 mJ/cm2. Since the dose required for *Cryptosporidium* is higher than *Giardia,* the UV Disinfection System is designed for *Cryptosporidium* inactivation. In other words, the requirement for *Giardia* inactivation is achieved when applying the UV dose required for the inactivation of *Cryptosporidium.*

The water treatment process at the facility includes the following chemical storage and feed systems:

- Liquid Oxygen
- Nitrogen Gas
- Calcium Thiosulfate
- Sodium Hypochlorite
- Sodium Silicate
- Cooling Water System Additive

Descriptions of these chemical systems, including operations and control considerations, are presented in Section 3.4.

Historically, the raw water quality is very high. Raw water pH and turbidity numbers are relatively consistent over the reviewed data set. The pH is an average of 8.48 which places the water in a slightly alkaline state. Average turbidity numbers are also quite low and well below the regulatory limits for an unfiltered water source.

Raw water coliform samples are well within regulatory limits in both total coliform and fecal coliform results. There are some detections in the summer months which are likely related to boating activities on the lake. This does not appear to be a concern at this time; however, it does suggest some caution be observed regarding boating activities, particularly the potential for fuel or oil spills that would go undetected.

The Treated Water Pump Station (WPS-2-1) pumps treated water from the facility to the drinking water distribution system. The pump station contains three 400 hp and one 200 hp constant speed, electric motor driven, vertical turbine pumps. The 400 hp pumps each have a nominal capacity of 2,400 gpm, and the 200 hp pump has a nominal capacity of 1,100 gpm.

SECTION 5.0 – CAPITAL IMPROVEMENT PROGRAM

In general, the water system is in good condition and has adequate capacity both now and into the future. The findings and recommendations of the master plan have been compiled into ten improvement projects and/or annual maintenance/investigative programs which will provide the District with a robust and resilient water system. The 10-year capital improvement program can be found in Table ES-6 and Table ES-7 and the 11 to 20-year program can be found in Table ES-8. The 10-year program totals $51 million while the 11 to 20-year program is currently estimated at $76 million.

It is recommended that this master plan be updated at least once every ten years so that the capital improvement program is representative of system needs.

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Table ES-6: Year 1-5 Capital Improvement Program

Project	Type	FY25	FY26	FY27	FY28	FY29
Water System SCADA Master Plan	Study/Planning	$91,600				
Customer Meter Rehabilitation	Repair/Replacement	$269,400				
Bi-Annual Leak Testing	Inspection	$11,900				
5-Year Storage Tank Inspection Program	Inspection	$28,100				
Annual Tank Maintenance and Recoating Program	Maintenance	$1,902,800				
Booster Pump Station BDR	Study/Planning	$134,700				
Steel Main Replacement Program Phase 1	Repair/Replacement	$4,012,000				
Water System SCADA Upgrades	Repair/Replacement		$111,900			
Customer Meter Rehabilitation	Repair/Replacement		$279,600			
Bi-Annual Leak Testing	Inspection		$12,400			
Annual Tank Maintenance and Recoating Program	Maintenance		$1,966,200			
Booster Pump Station Improvement Program	Repair/Replacement		$279,600			
Steel Main Replacement Program Phase 2	Repair/Replacement		$3,695,900			
Water System SCADA Upgrades	Repair/Replacement			$116,100		
Customer Meter Rehabilitation	Repair/Replacement			$290,300		
Bi-Annual Leak Testing	Inspection			$12,800		
Annual Tank Maintenance and Recoating Program	Maintenance			$2,040,900		
Booster Pump Station Improvement Program	Repair/Replacement			$290,300		
Steel Main Replacement Program Phase 3	Repair/Replacement			$4,485,600		
Water System SCADA Upgrades	Repair/Replacement				$120,500	
Customer Meter Rehabilitation	Repair/Replacement				$301,300	
Bi-Annual Leak Testing	Inspection				$13,300	
Annual Tank Maintenance and Recoating Program	Maintenance				$3,128,200	
Booster Pump Station Improvement Program	Repair/Replacement				$301,300	
Steel Main Replacement Program Phase 4	Repair/Replacement				$3,480,600	
Bi-Annual Leak Testing	Inspection					$13,800
Annual Tank Maintenance and Recoating Program	Maintenance					$2,198,900
Booster Pump Station Improvement Program	Repair/Replacement					$312,700
Steel Main Replacement Program Phase 5	Repair/Replacement					$4,733,800
Yearly Total		**$6,450,500**	**$6,345,600**	**$7,236,000**	**$7,345,200**	**$7,259,200**

Table ES-7: Year 6-10 Capital Improvement Program

Project	Type	FY30	FY31	FY32	FY33	FY34
Bi-Annual Leak Testing	Inspection	$14,300				
5-Year Storage Tank Inspection Program	Inspection	$33,800				
Annual Tank Maintenance and Recoating Program	Maintenance	$2,282,500				
Booster Pump Station Improvement Program	Repair/Replacement	$324,600				
Steel Main Replacement Program Phase 6	Repair/Replacement	$3,409,800				
Bi-Annual Leak Testing	Inspection		$14,900			
Annual Tank Maintenance Program	Maintenance		$67,400			
Booster Pump Station Improvement Program	Repair/Replacement		$337,000			
Steel Main Replacement Program Phase 7	Repair/Replacement		$2,701,600			
Bi-Annual Leak Testing	Inspection			$15,400		
Annual Tank Maintenance Program	Maintenance			$70,000		
Booster Pump Station Improvement Program	Repair/Replacement			$349,800		
Steel Main Replacement Program Phase 7	Repair/Replacement			$5,491,600		
LOX System Inspection	Inspection			$49,000		
Annual Tank Maintenance Program	Maintenance				$72,700	
Booster Pump Station Improvement Program	Repair/Replacement				$363,100	
Annual Tank Maintenance Program	Maintenance					$75,400
Booster Pump Station Improvement Program	Repair/Replacement					$376,900
Water Master Plan Update	Study/Planning					$339,200
Yearly Total		**$6,065,000**	**$3,120,900**	**$5,975,800**	**$435,800**	**$791,500**

Table ES-8: Year 11-20 Capital Improvement Program

Project	Type	FY35	FY36	FY37	FY38	FY39	FY40	FY41	FY42	FY43	FY44
5-Year Storage Tank Inspection Program	Inspection	$40,700									
Annual Tank Maintenance and Recoating Program	Maintenance	$2,750,400									
Booster Pump Station Improvement Program	Repair/Replacement	$391,200									
AC Main Replacement Program	Repair/Replacement	$4,693,500									
Annual Tank Maintenance and Recoating Program	Maintenance		$2,854,900								
AC Main Replacement Program	Repair/Replacement		$4,871,800								
Annual Tank Maintenance and Recoating Program	Maintenance			$2,963,400							
AC Main Replacement Program	Repair/Replacement			$5,056,900							
Annual Tank Maintenance and Recoating Program	Maintenance				$4,542,200						
AC Main Replacement Program	Repair/Replacement				$5,249,100						
Annual Tank Maintenance and Recoating Program	Maintenance					$3,192,900					
AC Main Replacement Program	Repair/Replacement					$5,448,600					
5-Year Storage Tank Inspection Program	Inspection						$49,100				
Annual Tank Maintenance and Recoating Program	Maintenance						$3,314,200				
AC Main Replacement Program	Repair/Replacement						$5,655,600				
Annual Tank Maintenance Program	Maintenance							$97,900			
AC Main Replacement Program	Repair/Replacement							$5,870,500			
Annual Tank Maintenance and Program	Maintenance								$101,600		
AC Main Replacement Program	Repair/Replacement								$6,093,600		
Annual Tank Maintenance Program	Maintenance									$105,500	
AC Main Replacement Program	Repair/Replacement									$6,325,200	
Annual Tank Maintenance Program	Maintenance										$109,500
AC Main Replacement Program	Repair/Replacement										$6,565,500
Yearly Total		**$7,875,800**	**$7,726,700**	**$8,020,300**	**$9,791,300**	**$8,641,500**	**$9,018,900**	**$5,968,400**	**$6,195,200**	**$6,430,700**	**$6,675,000**

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1.0 HISTORICAL, CURRENT, AND FUTURE DEMANDS

1.1 Customer Profile

Incline Village General Improvement District (IVGID) operates and maintains the water system within Incline Village and the Crystal Bay area. The following sections present an analysis of the water demands and assumptions which will form the basis of the Water Master Plan (Plan).

IVGID currently provides service to 4,287 metered customers within its service area. However, some metered customers represent more than one water user. A breakdown of current water customers and users by meter type as of September 2023 can be found in Table 1. The system is primarily residential (making up over 92% of all meters and over 96% of all water users), with commercial customers being the second largest customer base. Outside of residential and commercial customers, IVGID provides irrigation water for commercial properties including two golf courses within the service area. Additionally, IVGID has a single unique water customer in Diamond Peak Ski Resort. The resort pulls from the IVGID water system for snow making. This creates a unique demand pattern for a water system, and in turn unique system operations.

Table 1: Water Customer Meter User Summary

Meter User Type	Meter Counts	Water User Count
Commercial	203	203
Commercial/IRRI	58	58
Commercial/PSRI	4	4
IVGID Commercial	27	27
IVGID IRRI	7	6
IVGID PSRI	20	20
IVGID Snowmaking	1	1
Resid Const w/Meter	3	3
Residential Multi-Family	259	4,091
Residential Single-Family	3,705	3,701

The majority of utility customers are residential, and the area is not expecting large permanent population growth or development. As identified within the 2021 Washoe County Tahoe Area Plan, adopted by the County and the Tahoe Regional Planning Agency (TRPA), the vast majority of the vacant lots within IVGID are owned by public agencies and will be preserved from development. Therefore, it was assumed that the privately owned vacant parcels would be developed in the buildout scenario whereas the publicly owned vacant parcels would be left undeveloped. A breakdown of vacant lot counts by ownership type can be found in Table 2. Of the 1,239 vacant lots within the IVGID service area, 1,012 are publicly owned. The remaining 227 lots were considered for the buildout demand scenario. This would represent a customer increase of only 5.3% from the existing customer counts.

Table 2: Vacant Land Use Summary

Land Use Type	Publicly Owned	Privately Owned
Vacant, other, or unknown	2	2
Vacant, under development	0	3
Vacant, single family	1,001	185
Vacant, multi-residential	2	1
Vacant, commercial	8	36

1.2 Water Production and Metered Usage

Water demands within the Plan area were calculated using two different data sources and then compared. The first data source is water production data from the Water Disinfection Plant (BCWDP). The second is metered water usage from existing IVGID customers. The two calculated demands were then compared, and an analysis was performed to determine the non-revenue water (NRW) and other water loss factors for the utility.

1.2.1 Water Production

Water production is typically the volume of water measured at the water source. Production volumes include the entire volume of water consumed by IVGID customers, as well as any water lost or unaccounted for during distribution to the end user. The IVGID water system is supplied by a sole source, the BCWDP. Table 3 shows the water production from the WDP reported to the Nevada Division of Water Resources (NDWR) from 2020 to 2023 in acre-feet (AF). It should be noted that IVGID follows the yearly reporting period used by NDWR, which starts in October and ends in September (e.g., the 2020 water year begins in October 2019 and ends in September 2020). Over this time period, the WDP produced an average of 2,821 AF of water per year.

The overall trend of water production throughout the year is unique when compared to other potable water utility systems in the area. Table 3 shows the average monthly water production from BCWDP for the period of 2019 to 2023. Like most utilities, peak production months are the warmer summer months, with production beginning to ramp up in the spring due to customers beginning to irrigate their property, especially the golf courses served by the District. However, as discussed earlier, IVGID provides potable water for a unique customer in the Diamond Peak Ski Resort. Typically, a potable water system will see a large drop off in the fall months to winter lows. However, as Diamond Peak operations typically run from December through April or May depending on the season snowpack, snowmaking operations through the fall and early winter months maintain a somewhat higher level of water production than would normally be seen for a water system in this area. As a result, November and December see approximately 50% higher water production than January through March.

Also of note, is the comparison of the water production totals from year to year. 2020 and 2021 saw much higher production than 2022 and 2023, with 2021 being the highest production year over the time analyzed. This is mostly due to the COVID-19 pandemic and stay at home measures during this time period. The Tahoe Basin saw much higher occupancy from stay-at-home workers than normal years.

Table 3: BCWDP Water Production (AF), 2020-2023

Month	2020	2021	2022	2023	Avg.
October	178	282	154	211	206
November	170	185	102	174	158
December	134	177	149	139	150
January	99	104	101	93	99
February	97	93	87	92	92
March	86	97	92	103	94
April	113	149	101	93	114
May	316	326	235	164	260
June	411	430	378	292	378
July	486	498	457	421	465
August	476	450	391	427	436
September	403	389	321	360	368
Total	**2,967**	**3,180**	**2,568**	**2,568**	**2,821**

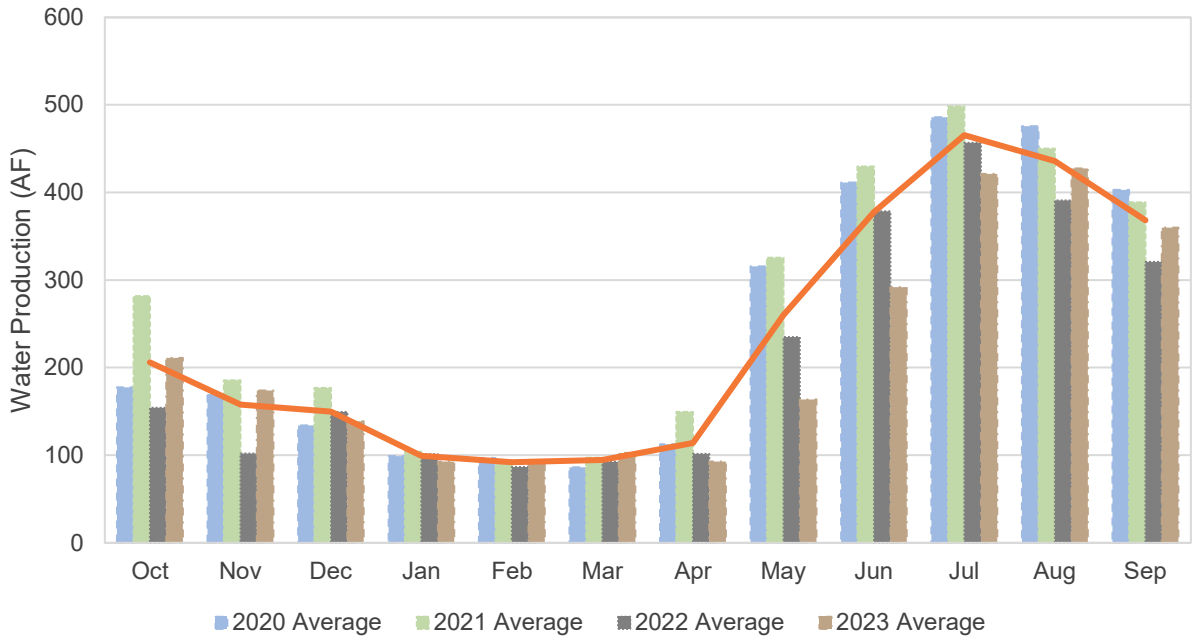

Figure 1: BCWDP Average Monthly Water Production

1.2.2 Metered Usage

IVGID provided monthly meter data for their water customers for the time period of October 2019 through September 2023. The metering data provided included several accounts tracking water movement within the system. These metered accounts do not represent water

consumption within the system and were removed from the demand analysis. These accounts included flows through the water disinfection plant, water intake from Lake Tahoe, and water pumped through the various system booster stations. Table 4 shows the monthly water consumption metered by IVGID over the study period of 2020 to 2023. On average, the utility consumed 2,803 AF of water per year.

Table 4: Metered Water Consumption (AF)

Month	2020	2021	2022	2023	Avg.
October	165	272	139	233	202
November	151	169	99	173	148
December	139	171	155	140	151
January	78	82	84	75	80
February	87	84	76	89	84
March	73	83	83	88	82
April	116	145	95	91	112
May	298	335	247	166	262
June	385	421	412	370	397
July	451	501	449	445	462
August	484	476	452	473	471
September	377	392	346	298	353
Total	**2,804**	**3,130**	**2,637**	**2,641**	**2,803**

1.2.3 Non-Revenue Water

Non-revenue water is the difference between the quantity of water produced and the quantity of water delivered to customers or billed. NRW is different from water loss, as losses are only a component of NRW. Typical NRW for water utilities nationally has been estimated between 14 to 18 percent by the AWWA and the EPA. However, NRW for the District between 2020 and 2023 was between -2.85 and 5.51 percent. The year-to-year NRW and average over that time period is presented in Table 5.

There are numerous factors that can contribute to NRW including leaks, system flushing, unmetered construction water usage, and water theft, but negative NRW values indicate that customer water usage is greater than water production, which is not possible. This is the result of inaccurate or faulty water meters.

Water from the BCWDP is metered using an ultrasonic flow meter, and customer usage is tracked using individual meters at the service connection. The negative values indicate that one, or both, of these data sources is inaccurate. Currently, the District has plans to replace the flow meter at the BCWDP in the next two to three years. Additionally, the District will be replacing the batteries and transponders of the individual customer meters throughout the service area over the next four years. Once these two projects are completed, it is recommended that the District reevaluate NRW, and additional key performance indicators such as normalized water loss (NWL), to help guide future infrastructure decision making.

Table 5: Non-Revenue Water Summary

Year	Production Volume (AF)	Metered Volume (AF)	NRW
2020	2,967	2,804	5.51%
2021	3,180	3,130	1.56%
2022	2,568	2,637	-2.67%
2023	2,568	2,641	-2.85%
Average	2,821	2,803	0.63%

1.3 System Demands and Peaking Factors

Water system demands are typically represented in four ways:

- Average Annual Demand (AAD)
- Average Day Demand (ADD)
- Max Day Demand (MDD)
- Peak Hour Demand (PHD)

Production data from the BCWDP was used to determine the AAD and ADD of the system. Supervisory control and data acquisition (SCADA) data of key water system components were provided by IVGID in order to perform analysis of tank levels and pump flows within the water system. The data allowed the calculation of the MDD and PHD of the system and their corresponding peaking factors. Table 6 gives all four water demand scenarios and their corresponding peaking factors.

Table 6: System Demand Summary, 2020-2023

System Demand	2020	2021	2022	2023	Average
Average Annual Demand (AFA)	2,967	3,180	2,568	2,568	2,821
Average Annual Demand (Mgal/year)	967	1,036	837	837	919
Average Day Demand (gpm)	1,840	1,971	1,592	1,592	1,749
MDD:ADD Calculated Peaking Factor	2.1	2.1	2.1	2.1	2.1
Max Day Demand (gpm)	3,903	4,182	3,378	3,377	3,710
PHD:ADD Calculated Peaking Factor	5.1	5.1	5.1	5.1	5.1
Peak Hour Demand (gpm)	9,412	10,086	8,147	8,145	8,947

Additionally, the SCADA data was used to calculate a diurnal curve for the system. A diurnal curve shows how water demand within the system changes over a 24-hour period. The curve presents this demand as peaking factors, or ratio of water demand with a specific hour to the

average daily demand in gpm. The diurnal presented in Figure 2 shows the average daily water usage pattern in the District.

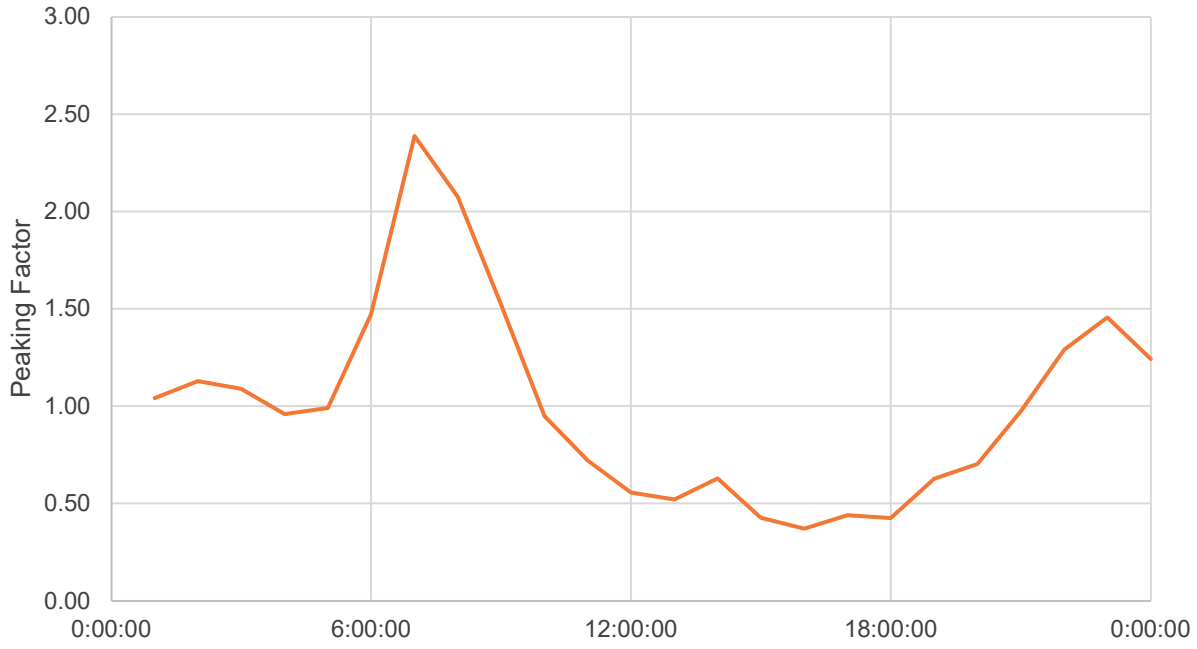

Figure 2: System Average Diurnal Curve

1.4 Water Demand Characterization

The consumptive use for different customer classifications were created for this Plan. In order to develop these water demand factors, the customer meter records provided by IVGID were broken up into four different customer classifications and the average demand per user was calculated. The four classifications are:

- Commercial
- Irrigation
- Snowmaking
- Residential

It is important to recognize that while IVGID currently has 4,291 water customers, it has a vastly different number of water users. This is due to large amounts of multi-family residential units in the service area. According to data provided by IVGID, there are currently 258 multi-family customers that represent 4,083 water users. The analysis performed utilized the total number of water users for each customer class in order to determine the consumptive use for that class. Table 7 gives the consumptive use for each class. These water demand factors were then applied to the vacant parcels within the service area to determine the total buildout water demands.

Table 7: Existing Consumptive Use by Customer Class

Customer Class	Average Annual Metered Use (AFA)	Number of End Users	Consumptive Use (AFA/user)
Commercial	235.57	230	1.02
Irrigation	439.98	88	5.00
Snowmaking	135.11	1	135.11
Residential	1,992.34	7,795	0.26

1.5 Future Water Demands

The buildout condition for IVGID was created by assuming that every privately owned vacant parcel would be developed at buildout. Future buildout demands were calculated by multiplying the vacant land use customer counts by the customer class consumptive use presented in Table 7. The two other or unknown vacant parcels had the commercial consumptive use applied as they represent the proposed Ponderosa Ranch development that is not yet finalized. The three under development vacant parcels are lakeshore properties with limited developable land. As such, the residential consumptive use factor was applied to all three. Table 8 is a summary of the water demands that are anticipated to be added to the system at buildout.

Table 8: Buildout Additional Demand Summary

Land Use Type	Parcel Count	Future Demand (AFA)
Vacant, other, or unknown	2	2.05
Vacant, under development*	3	0.77
Vacant, single family	185	47.28
Vacant, multi-residential	1	1.02
Vacant, commercial	36	36.87
Total	**227**	**87.99**

1.6 Water Demand Summary

As shown, the Plan area is not expected to see significant growth between now and potential buildout. Per Section 1.5, the assumed buildout parcels will add 87.99 AFA to an existing AAD of 2,821 AFA. This addition would increase the existing AFA by approximately 3%. Table 9 summarizes the existing water demands and the potential buildout demands for the Plan area.

Table 9: Existing and Future Demand Summary

System Demand	Existing System	Projected Buildout
Average Day Demand (gpm)	1,749	1,803
Max Day Demand (gpm)	3,710	3,826
Peak Hour Demand (gpm)	8,947	9,226

2.0 RISK ANALYSIS

2.1 System Background

The Plan is a comprehensive evaluation of IVGID's entire water distribution system with infrastructure ranging from 1 to 60 years old. The system serves residential and commercial customers located northeast of Lake Tahoe. The area primarily consists of residential customers ranging from large custom home sites to condominiums as well as commercial customers ranging from restaurants to hotels. The system consists of approximately 199,000 linear feet of 6-inch water main, 222,000 linear feet of 8-inch water main, 47,000 linear feet of 10-inch water main, 45,000 linear feet of 12-inch water main, 20,000 linear feet of 14-inch water main, 13,000 linear feet of 16-inch water main, 4,000 linear feet of 18-inch water main, 2,000 linear feet of 20-inch water main, 3,000 linear feet of 24-inch water main. A summary of pipe sizes is detailed in Figure 3.

Materials used to construct the system vary based on construction practice and material availability at the time of installation. Figure 4 shows the various pipe materials the existing system is comprised of. The older mains primarily consist of asbestos cement pipe (ACP), polyvinyl chloride (PVC), and ductile iron (DI). Other materials with minimal use of copper, steel, cured in place pipe (CIPP), bar-wrapped concrete cylinder pipe (CCP), and high-density polyethylene (HDPE).

It is essential to monitor and assess the condition of the distribution system to enable the utility to make informed risk-based decisions regarding the maintenance, repair, or replacement of its assets.

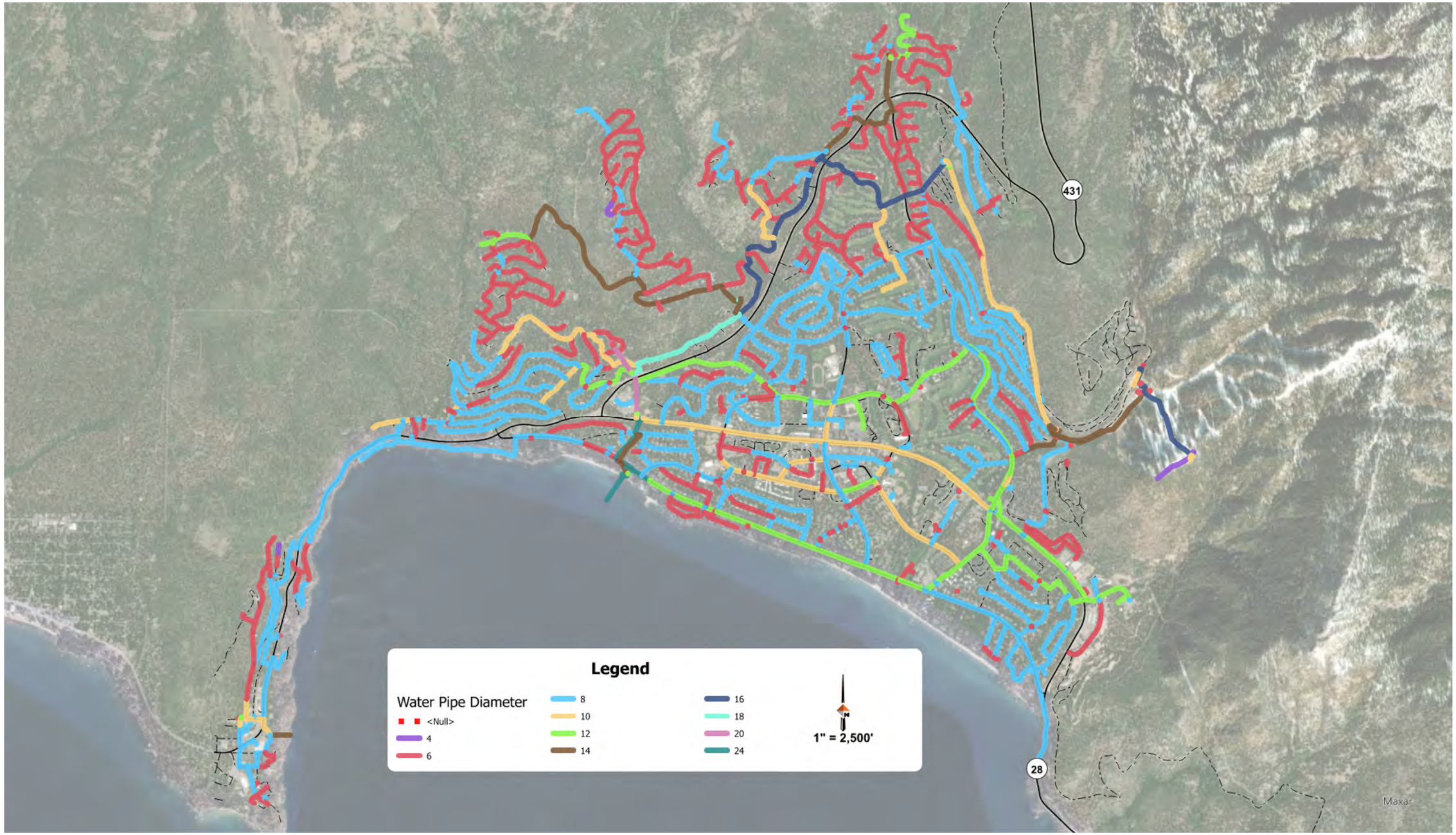

Figure 3: System Pipe Diameter

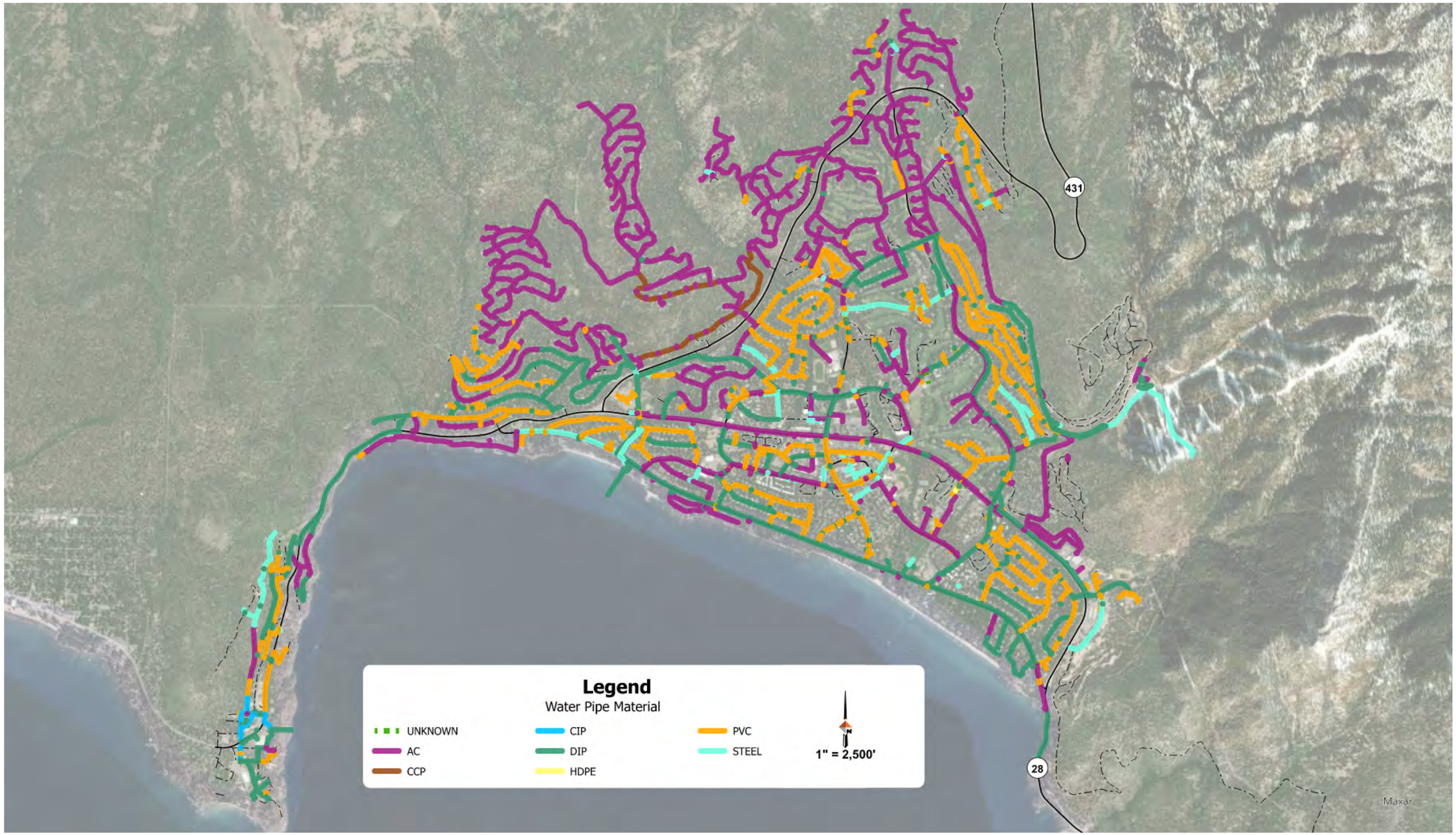

Figure 4: System Pipe Material

2.2 Risk Assessment

The project team developed a risk evaluation matrix based on previous risk assessment studies. The developed matrix consists of several categories and weighting factors unique to IVGID's water distribution system, land uses, infrastructure location, and operations. From these categories and weighting factors, a risk score for each pipe was determined. These scores are used to evaluate relative risk throughout the system and act as an instrument to develop a capital improvement plan.

2.2.1 Data Collection and Organization

IVGID provided the project team with Geographic Information Systems (GIS) data to perform a desktop review of the water systems. GIS has become the standard for data organizing and record keeping. A properly configured GIS system not only organizes and stores critical data through a graphical interface, but also allows for spatial analysis of the data using parameters such as pipe condition to be able to locate deficiencies within the system. The GIS contains all IVGID's pertinent water utility information that the project team used to evaluate the system.

2.2.2 Risk Categories

"Risk is a concept that relates to the expectation of a negative impact generated by some action or inaction. Commonly, risk is used synonymously with the likelihood (or probability) of a negative impact occurring. Sometimes risk is used to describe severity of the consequence of a potential failure. However, it is the combination of both of these factors, likelihood and consequence, that contributes to risk." (Implementing Asset Management: A Practical Guide, NACWA, AMWA, WEF, and CH2MHILL 2007).

Risk categories can be determined differently depending on what IVGID deems to be critical. IVGID's risk assessment utilizes the consequence and likelihood of failure components. Consequence relates to the resulting impact from failure, while likelihood relates to the potential for failure. Each of these categories includes parameters that contain a corresponding weighting factor. A separate matrix for pipes, pressure reducing valve (PRV) stations, and service saddles have been developed and provided in Table 10 through Table 12.

Table 10: Pipe Risk Matrix

Consequence			Likelihood			
Category*	Weight Factor*		Category*	Weight Factor*		
Waterway Proximity	0.50	X	Operation & Maintenance	0.50	=	Pipe Risk
Pipe Size	0.30		Age	0.30		
Land Use	0.20		Material	0.20		

*Determined by DOWL

Table 11: PRV Risk Matrix

Likelihood			
Category*	Weight Factor*	=	PRV Risk
Operation & Maintenance	0.5		
Age	0.5		

*Determined by DOWL

Table 12: Service Saddle Risk Matrix

Likelihood			
Category*	Weight Factor*	=	Saddle Risk
Operation & Maintenance	0.70		
Age	0.30		

*Determined by DOWL

2.2.3 Consequence Risk Categories

The categories of waterway proximity, pipe size and use, and land use have been established for the assessment and scoring of the risk of consequence for IVGID's water mains. Each category is discussed in detail below.

2.2.3.1 Waterway Proximity

The consequence category related to waterway proximity assesses the potential impact on water quality in the event of a failure. This evaluation considers the proximity of the feature to waterways such as Lake Tahoe, Incline Creek, minor tributaries that feed into Third Creek, areas with high groundwater levels, and storm drain inlet structures. In the water system, a significant break in a water main has the potential to cause erosion, which can in turn affect surface water quality. The parameters and corresponding risk score and weight factor for main pipes are detailed in Table 13.

Table 13: Waterway Proximity Consequence

Parameter	Risk Score	Weight Factor
100' or less from waterway	10	0.50
100' – 500' from waterway	8	
500' – 1000' from waterway	5	
1000' or more from waterway	2	

2.2.3.2 Pipe Size

When assessing risk, the size and purpose of pipes play a crucial role as they directly impact various factors including flow capacities, infrastructure costs, and the population served. Larger pipes serve as the primary feeders for the distribution system. It is assumed that failures in larger water mains will impact the delivery of water to a larger number of consumers. On the other hand, issues with smaller pipes would have a relatively smaller impact, affecting less

customers. The parameters and corresponding risk score and weight factor for water mains are detailed in Table 14.

Table 14: Water Pipe Size Consequence

Parameter (in)	Risk Score	Weight Factor
≥10	10	0.30
8 -10	5	
<8	1	

2.2.3.3 Land Use

Land use identifies critical facility services and the consequence of service loss. For this analysis, land use assumes that commercial users generally have higher water consumption compared to residential users, resulting in a higher risk score for commercial land use. The scoring of land use is applied to the pipe segment located upstream from the facility of interest and does not extend downstream. In the water system, it is assumed that commercial users have higher water consumption than residential customers[1]. Therefore, a failure in the distribution system would have a more significant impact on commercial customers. It is important to note that commercial customer types vary, ranging from hotels and restaurants with high water usage to gas stations with lower water usage. This analysis assumes that the commercial customers represent the high-consuming commercial users. The parameters and corresponding risk score and weight factor for main pipes are detailed in Table 15.

Table 15: Land Use Consequence

Parameter	Risk Score	Weight Factor
Commercial	10	0.20
Residential	4	
Other	6	

2.2.4 Likelihood of Failure Categories

The likelihood of failure categories of condition, operation and maintenance, age, and material have been established for IVGID's water mains and PRV stations and water service saddles. The likelihood of failure represents the probability of a risk occurring due to existing conditions. Each category is discussed in detail below.

2.2.4.1 Operation and Maintenance

The level of operation and maintenance serves as an indicator for other factors, including pipe condition. However, these categories do not provide an estimation of maintenance frequency or the severity of operational consequences. The operation and maintenance category ensures that problematic features are considered in the risk scoring process and given high priority in the

[1] Per Section 1.4, commercial customers average 1.02 AFA per customer and residential customers average 0.26 AFA per customer.

ranking. IVGID has identified an area with corroding water service saddles, which is considered a high priority.

The parameters and corresponding risk score and weight factor for water mains, PRVs, and water service saddles are detailed in Table 16 through Table 18 respectively.

Table 16: Main Operation and Maintenance Likelihood

Parameter	Risk Score	Weight Factor
High O&M	10	0.50
Moderate O&M	5	
Infrequent O&M	0	

Table 17: PRV Operation and Maintenance Likelihood

Parameter	Risk Score	Weight Factor
Difficult to Operate	10	0.50
Difficulty Not Reported	0	

Table 18: Water Service Saddle Operation and Maintenance Likelihood

Parameter	Risk Score	Weight Factor
Corrosion	10	0.30
No Corrosion	0	

2.2.4.2 Material

IVGID's water distribution system consists of pipes made from various materials. Throughout history, there have been industry trends for different materials when it comes to their installation. All materials exhibit varying lifespans, points of failure, and levels of reliability. In the water distribution system, the pipe materials used are ranked based on their generally accepted reliability. The corresponding risk of failure associated with the material is shown in Table 19.

Table 19: Water Main Material Likelihood

Parameter	Risk Score	Weight Factor
Steel	10	0.2
ACP/CCP/CIPP	5	
DI/PVC/HDPE	1	

2.2.4.3 Age

The age of pipelines is an important factor when analyzing the risk of deterioration over time increases. As the age of a pipe increases, no matter the material, the risk of failure due to the composition or weakening of the pipe increases. The increased age can result in structural failures and O&M failures. The manufacturer's claimed life of features is listed below in Table 20.

Table 20: Pipe Material Claimed Lifespan

Pipe Material	Manufacturer Claimed Lift (years)
ACP	75
Ductile Iron	80-100
PVC	80-100
HDPE	50-100

Pressure reducing valves (PRV) have a typical useful life of 30 years.

The parameters and corresponding risk score and weight factors for pipes and PRVs are detailed in Table 21 and Table 22, respectively.

Table 21: Pipe Age Likelihood

Parameter	Risk Score	Weight Factor
0 < Age ≤ 20	1	0.30 Pipe
21 < Age ≤ 40	4	
41 < Age ≤ 60	7	
61 < Age ≤ 80	10	

Table 22: PRV Age Likelihood

Parameter	Risk Score	Weight Factor
0 < Age ≤ 10	1	0.10 PRV
11 < Age ≤ 20	5	
21 < Age ≤ 30	10	

2.2.5 Risk Scoring

Each category contained a risk score range from 1-10 (1=lowest and 10=highest), which was assigned to each feature within the study area. Each category also received a corresponding weighting factor to demonstrate their importance. The consequence categories are added together, and the likelihood categories are added together. Finally, the total consequence and likelihood scores are multiplied together to yield a cumulative risk score for a pipe. The risk score has a potential range from 0 – 100, with 0 being no risk and 100 being the highest risk. Since PRVs and Saddles were not evaluated against the consequence risk matrix, these features have a risk score potential of 10 with 0 being no risk and 10 being the highest risk.

Overall water system risk scoring results are presented in Figure 5 through Figure 7. Risk score tables for each feature are provided in Appendix A.

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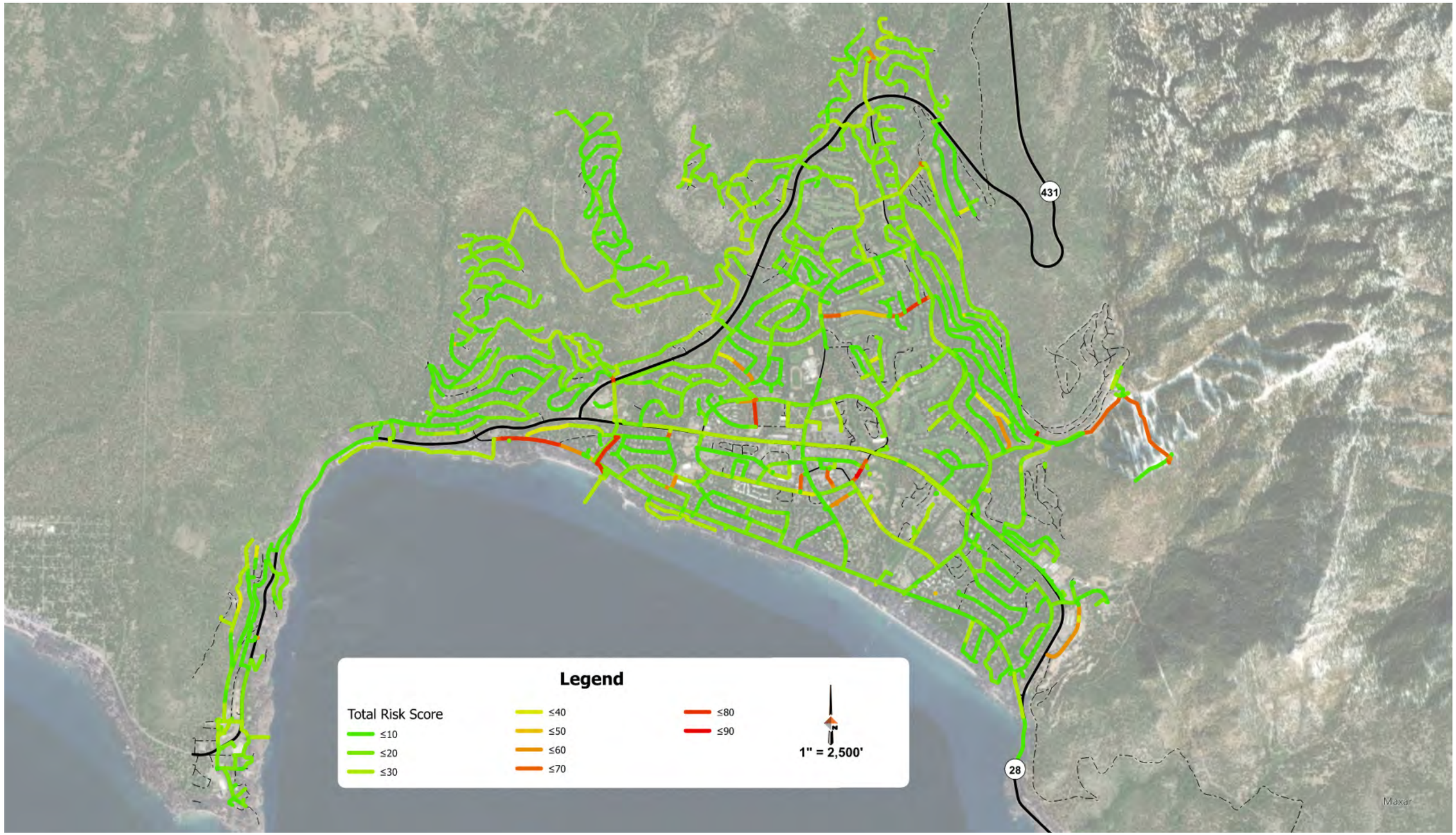

Figure 5: Pipe Rating Overall Map

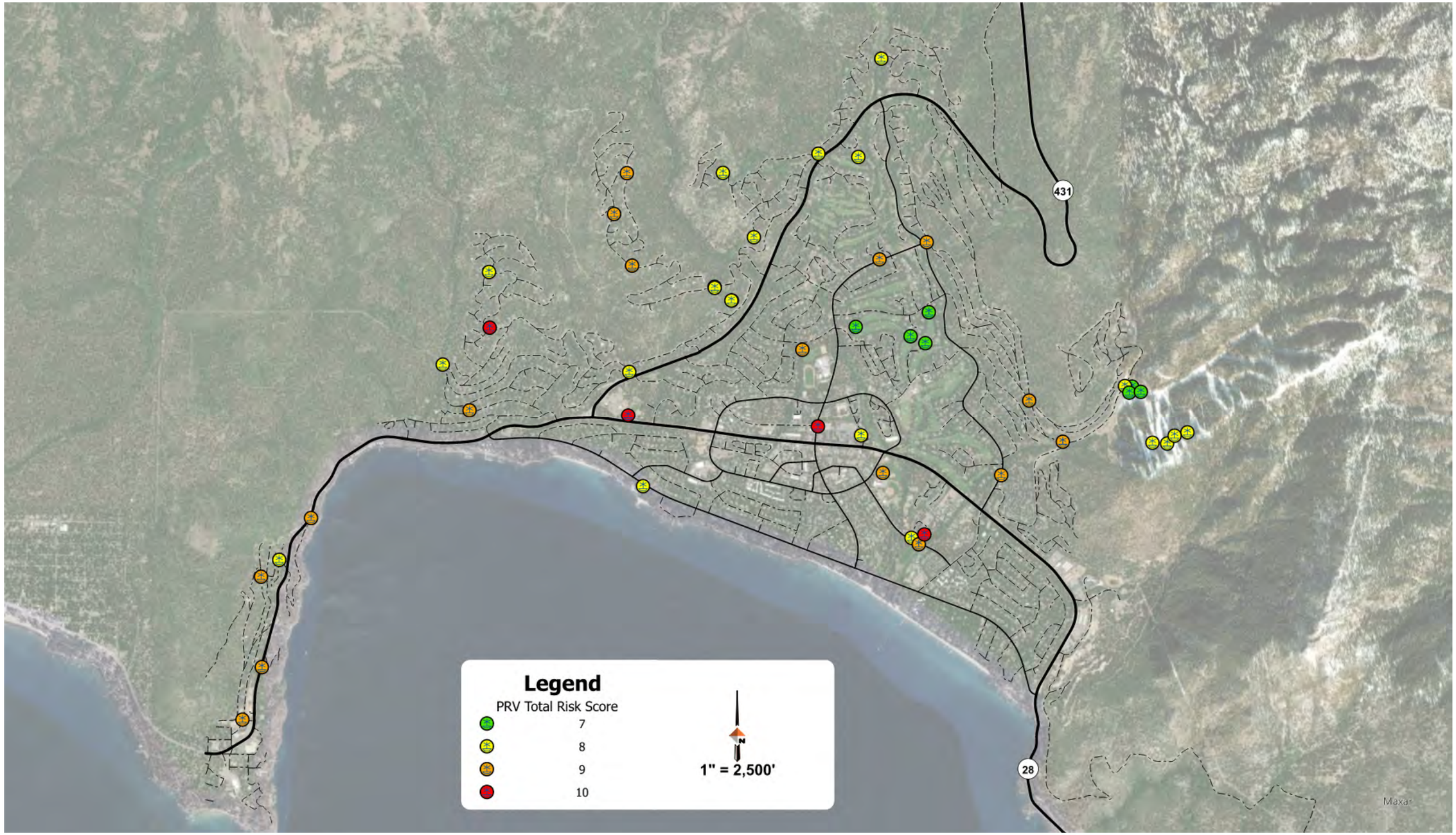

Figure 6: PRV Station Rating Overall Map

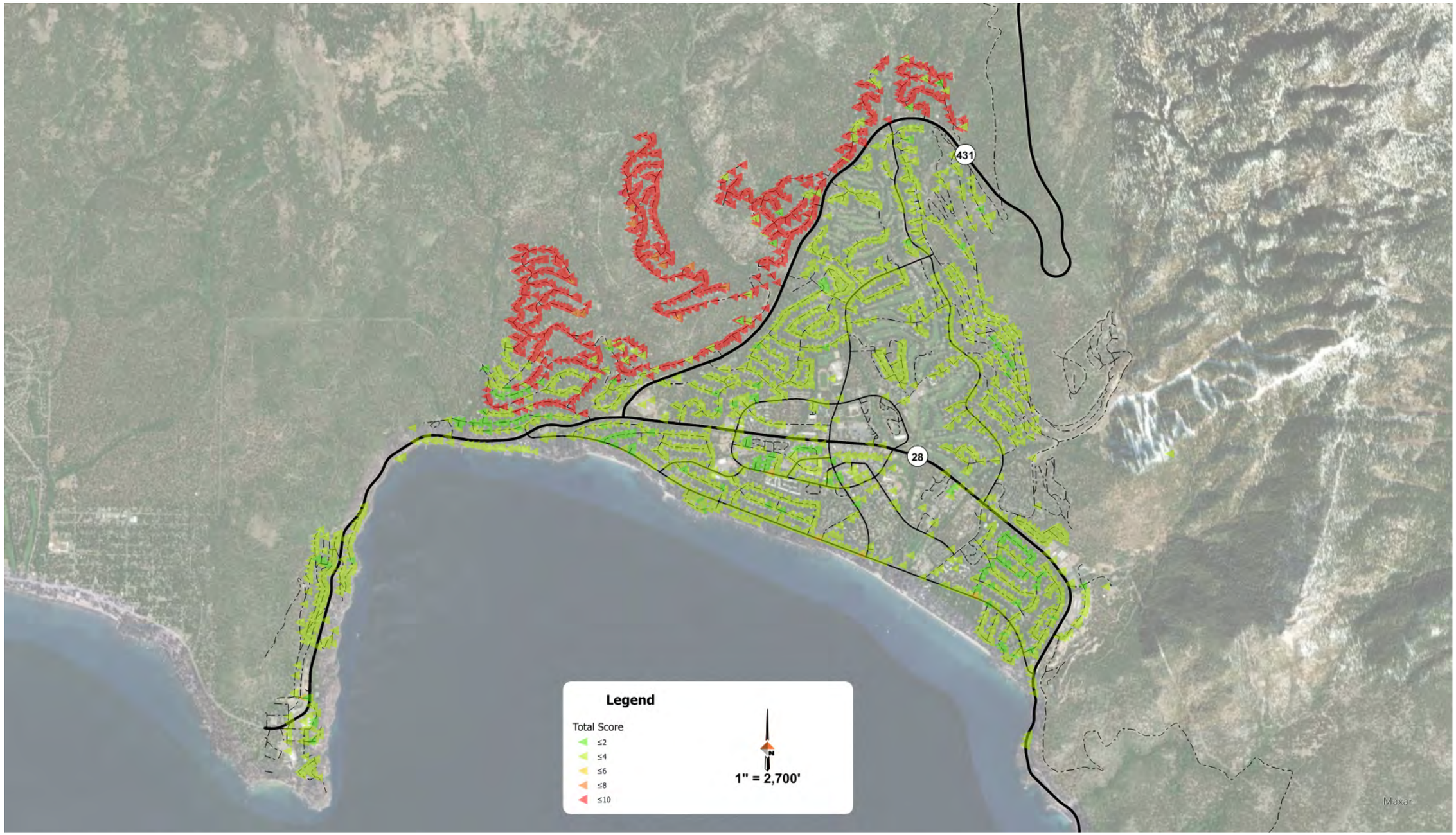

Figure 7: Saddle Rating Overall Map

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2.2.6 Risk Results and Conclusions

An overall risk template approach for determining the consequence and likelihood risk scores for IVGID's water distribution system has been developed with this document. As IVGID collects additional asset condition information, it will be able to incorporate and modify the parameter ranges of risk categories. As the data for the entire water distribution system is incorporated into the risk assessment template, it will be possible for IVGID to score the consequences and likelihood of risks confidently and accurately.

This assessment offers insight into the high-risk areas within the water distribution system, and operator input will further enhance its accuracy. To facilitate the rehabilitation planning process for the water system, IVGID will utilize additional tools such as a comprehensive condition assessment, evaluation of available rehabilitation technologies, cost analysis, and prioritized planning. As part of the condition assessment, IVGID should continue the bi-annual acoustic leak detection of the steel water mains in the distribution system that is already happening.

Pockets of high-risk pipe areas were identified along Lakeshore Boulevard, including Lakeshore Boulevard, the line perpendicular to Northwood Boulevard, and a segment of Driver Way. These high-risk areas primarily consist of steel pipes that District Operators have reported to require frequent maintenance. Additionally, medium-risk areas are those located within 100 feet of a waterway, storm drain, or flood zone.

PRVs were categorized into different risk levels based on their age and operator feedback. PRVs classified as high risk are generally older, with the district specifying that the valves inside the PRV vaults are challenging to operate. This difficulty applies to all PRVs and does not affect the scoring weight.

When assessing water service saddles, the evaluation considered both operator input and age data obtained from GIS. Based on this information, the high-risk service saddles are primarily concentrated in the northwest portion of IVGID.

Risk is one of several parameters used when evaluating the water utility for prioritized reconstruction and/or rehabilitation. The results of this risk assessment are used in conjunction with the operator input, rehabilitation technologies, project cost, and IVGID water planning objectives.

3.0 SYSTEM OVERVIEW AND CAPACITY ANALYSIS

3.1 System Overview

3.1.1 Hydraulic Profile and Pressure Zones

The IVGID water system is comprised of a single source (Lake Tahoe) treated at the BCWDP, 12 active pump stations and 1 inactive pump station (Crystal Bay), 13 storage reservoirs, 27 pressure reducing valve stations (PRVs), and over 105 miles of distribution piping. Due to the mountainous terrain of the utility service area, these system components provide service to 21 different pressure zones. Figure 8 shows a map of key system infrastructure, pressure zones, and layout of the IVGID system.

The system operates by pulling source water from Lake Tahoe, treating it at the BCWDP, and then moving the water up the hill via pump stations to the storage reservoirs serving the various pressure zones. Several lower elevation pressure zones are served through PRV stations connected to higher zones connected directly to the storage reservoirs. The Crystal Bay area of the system is fed through a single 8-inch distribution main, where lower elevation pressure zones are fed through PRVs and higher zones through booster stations and reservoirs. The hydraulic paths and hydraulic grade lines (HGL) of the system are shown in an HGL figure found in Appendix B. A summary of the water system within each pressure zone can be found in Table 23.

The infrastructure summary presented in Table 23 does not represent how each pressure zone if fed water, but the physical location of each piece of infrastructure within the distribution system. For example, while Zone 1 of the system has no tank directly connected to it, it is served water from R2-1 via a set of PRVs connecting Zone 2 and Zone 1. Additionally, it has a set of closed gate valves connected to adjacent pressure zones. This highlights the hydraulic connectivity of the system, as well as the ability to serve one pressure zone using infrastructure located in another. In Section 3.3, the pressure zones have been grouped together based on hydraulic connectivity in order to determine the systems storage and supply capacity.

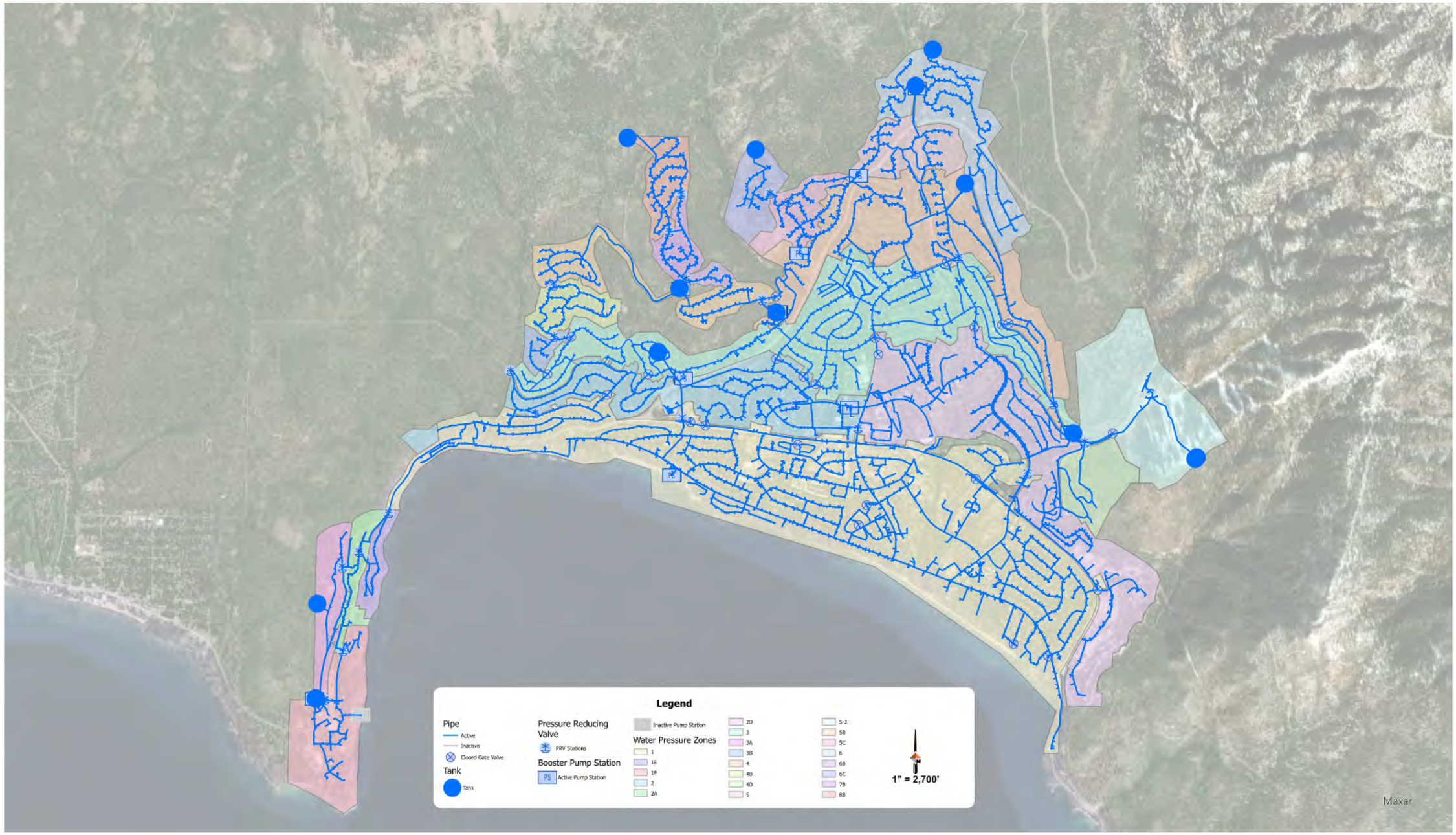

Figure 8: System Map

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Table 23: Pressure Zone Infrastructure

Pressure Zone	HGL (ft)	Tanks	Pump Stations	PRVs	Closed Valves
1	6,598	--	--	PRV-1-1 PRV-1-3 PRV-1-5 PRV-1-7	ZV2-1-1 ZV2-1-2 ZV2-1-3
1E	6,436	--	--	PRV-1-8 PRV-1-9	--
1F	6,530	R2	WPS 2 (Inactive)	PRV-1-10	ZV3A-1F-1
2	6,726	R2-1	WPS 2-1	PRV-2-1 PRV-2-5	ZV3-2-1 ZV3-2-2 ZV3-2-6 ZV3-2-7
2A	6,667	--	--	PRV-2-5A	--
2D	6,727	R2-2	WPS 2-2	--	ZV3-2-3 ZV3-2-4 ZV4-2-1 GV01712
3	6,917	R3-1	WPS 3-1	PRV-3-2 PRV-3-3 PRV-3-5 PRV-3-6 PRV-GOLF	ZV3B-3-1 ZV3B-3-2 ZV4-3-1 ZV4-3-2 ZV4-3-3
3A	6,875	R3A-1	WPS 3A-1	--	--
3B	6,970	--	--	PRV-3-1	--
4	7,124	R4-1	WPS 4-1 WPS 4-2	PRV-4-5 PRV-4-6	ZV5B-4-1
4B	7,130	--		PRV-4-1	--
4D	6,889	--	--	PRV-3-4	--
5	7,323	R5-2	WPS 5-2	PRV-5-3	ZV5C-5-1
5-3	7,398	R5-3A R5-3B	WPS 5-3	--	--
5B	7,324	R5-1	WPS 5-1	PRV-5-2 PRV-5-2A	--
5C	7,347	--	--	PRV-5-1	ZV6C-5-1
6	7,545	R6-1	WPS 6-1	--	--
6B	7,514			PRV-6-1	
6C	7,562	R6C-1	WPS 6C-1	--	--
7B	7,690	--	--	PRV-7-1 PRV-7-2	--
8B	7,820	R8B-1	WPS 8B-1	--	--

3.1.2 Source Water

Currently the IVGID system is sole sourced through the BCWDP. Originally commissioned in 1995, the BCWDP underwent improvement projects in 2012 to add additional disinfection method and currently has a capacity of 5,900 gpm. The plant is made up of the following facilities:

- Raw Water Intake and Low Lift Pump Station
- Ozone Disinfection System
- UV Disinfection system
- Treated Water Pump Station (WPS 2-1)
- Chemical Storage and Feed Systems

Further details on the BCWDP, its facilities, and condition assessment of the plant can be found in Section 4.0.

In addition to the BCWDP, IVGID has an inactive intake located in Crystal Bay and served the area until the Crystal Bay and Incline Village water systems were connected. A transmission main from Incline Village was built in 1995, at which time the Crystal Bay intake, treatment plant, and pump station were decommissioned. Even though the intake and its corresponding infrastructure are decommissioned, the District still maintains the site, as well as the lower and upper buildings. The upper building currently houses a diesel generator that is used for backup power to key infrastructure for both the water and sewer systems.

3.1.3 Booster Pump Stations

The water system utilizes water booster pump stations to move water from the lower HGL zones to higher HGL zones. All pump stations within the IVGID system have similar construction and layouts with a few exceptions. The typical pump station is comprised of two to three pumps controlled by the tank levels of the terminal tank. The pumps operate in a lead-lag configuration. Each pump station also has an emergency bypass PRV that can allow water to move down the system if needed. These PRVs are kept isolated with closed control valves and must be manually opened in order to be operable. A summary of each pump station, its capacity, and terminal storage reservoir can be found in Table 24.

Table 24: Booster Pump Station Summary

BPS ID	Number of Pumps	Pump Flow (gpm)	Controlling Tank ID
WPS 2/Crystal Bay (Not in Service)	3	460/700/2,100	R2
WPS 2-1/BCWDP	4	2,400/2,400/2,400/1,100	R2-1
WPS 2-2	2	1,820/1,820	R2-2
WPS 3-1	3	2,200/2,200/1,000	R3-1
WPS 3A-1	2	52/52	R3A-1
WPS 4-1	1	500	R4-1
WPS 4-2	3	1,800/1,800/900	R4-1
WPS 5-1	3	700/700/700	R5-1
WPS 5-2	2	2,300/750	R5-2
WPS 5-3	3	200/1,500/1,500	R5-3A/R5-3B
WPS 6-1	2	1,800/750	R6-1
WPS 6C-1	2	300/300	R6C-1
WPS 8B-1	2	300/300	R8B-1

While the majority of the pump stations are standalone structures, there are two instances of one structure housing two pump stations. The first instance houses WPS 4-2 and WPS 5-1. The dual pump station is located adjacent to storage reservoir R3-1 which provides suction head for both sets of pumps. While the two stations are housed in the same structure, they operate completely independently of one another.

The second set of pump stations to share a structure are WPS 4-1 and WPS 5-3. The combined pump station is located adjacent to reservoir R2-2, which provides suction head for both sets of pumps. This dual pump station is configured as such in order to provide specific operational flexibility during the winter months. WPS 5-3 provides water for the storage reservoirs R5-3A and R5-3B. These reservoirs provide service for the Diamond Peak Ski Resort, including snowmaking for the resort. As snowmaking operations begin, WPS 5-3 utilizes its larger 1,500 gpm pumps in order to keep up with the larger demand. When these operations begin, WPS 4-1 no longer provides service to R4-1, and the bypass PRV is utilized to allow water to move from Zone 4 into R2-2 to keep the reservoir at appropriate levels for pumping operations. While the valve is a PRV, it is controlled by a pressure transducer that reads the level of R2-2.

3.1.4 Storage Reservoirs

The IVGID system storage is made up of 13 welded steel storage reservoirs. The levels within each storage reservoir control booster pump operations and provide head for their respective pressure zones. Table 25 gives a summary of each reservoir, its elevation, capacity, and the operational levels for summer and winter operations.

Table 25: Storage Tank Summary

Tank ID	Base Elevation (ft)	Volume (gal)	Summer Operating Range (ft)		Winter Operating Range (ft)	
			Day	Night	Day	Night
R2	6,490	700,000	n/a	n/a	n/a	n/a
R2-1	6,691	1,000,000	30-32	28-32	24-28	24-31
R2-2	6,692	1,000,000	28.3-32		28.3-32	
R3-1	6,884	700,000	26-28		26-28	
R3A-1	6,850	173,000	20-22.5	20-22.5	20-22.5	20-22.5
R4-1	7,094	250,000	22-26.5		22-26	
R5-1	7,290	500,000	23-25	25-31	20-22	20-28
R5-2	7,282	1,000,000	32-36		*29-32	
R5-3A	7,370	225,000	20-25		23.5-25.5	
R5-3B	7,370	225,000	20-25		23.5-25.5	
R6-1	7,512	300,000	23-25	25-29	18-20	20-26
R6C-1	7,531	350,000	21-23		18-20	
R8B-1	7,771	350,000	39-41		24-26	

Each tank is dived, inspected, and cleaned every 5 years. The results of the last inspection for each tank can be found in Table 26. Per the last round of inspections, the deficiencies and recommendations for each tank is very minimal and are in line with normal maintenance projects. At this time, IVGID has addressed all of the listed deficiencies, except for the R2-2 man way door cable, and the interior coating failures for R4-1 and R5-2. A further discussion on tank coating and maintenance can be found in Section 3.4.3.

Table 26: Results of Previous Tank Inspections

Tank ID	Inspection Date	Identified Deficiencies and Recommendations
R2	11/26/2019	1. Install weather stripping on entry hatch
R2-1	6/18/2020	1. Install weather stripping on entry hatch
R2-2	6/19/2020	1. Attach cable from swing to the inside of man way door
R3-1	6/18/2020	1. No recommendations
R3A-1	11/25/2019	1. Install weather stripping on entry hatch
R4-1	11/25/2019	1. Repair coating failure on interior fixtures, floor, and walls 2. Install weather stripping on entry hatch
R5-1	6/20/2020	1. Install weather stripping on entry hatch
R5-2	11/24/2019	1. Repair coating failure on interior fixtures, floor, and walls 2. Install weather stripping on entry hatch
R5-3A	11/22/2019	1. Install weather stripping on entry hatch
R5-3B	11/22/2019	1. Install weather stripping on entry hatch
R6-1	11/23/2019	1. Install weather stripping on entry hatch
R6C-1	11/23/2019	1. Install weather stripping on entry hatch
R8B-1	11/24/2019	1. Install weather stripping on entry hatch

3.1.5 Pressure Reducing Valves

The connections between pressure zones are regulated through PRVs or closed system control valves. PRVs allow the higher HGL pressure zones to supply the connected lower HGL zones, while the closed control valve provide operational flexibility in the case of emergency operations. Currently, the District inspects the system PRVs every six months. The individual valves are scheduled to be rebuilt every five years by operations staff.

There is a total of 27 PRV stations located within the system, six of which are located within booster pump stations. Of these stations, 19 have low flow bypass valves. Table 27 gives a summary of the PRV stations, their settings, and key information for each location.

Table 27: PRV Station Summary

PRV ID	Elevation (ft)	US Zone	US HGL (ft)	Setting	DS Zone	DS HGL (ft)
PRV-1-1	6,478	2	6,709	52	1	6,598
PRV-1-10	6,445	2A	6,653	42	1F	6,542
PRV-1-3	6,400	2	6,735	85	1	6,596
PRV-1-5	6,455	2	6,721	50	1	6,571
PRV-1-7	6,380	2D	6,669	75	1	6,553
PRV-1-8	6,210	2A	6,603	98	1E	6,436
PRV-1-9	6,230	2A	6,507	40	1E	6,322
PRV-2-1	6,560	3	6,872	75	2	6,733
PRV-2-5	6,530	3	6,918	0	2	6,530
PRV-2-5A	6,575	3A	6,875	40	2A	6,667
PRV-3-1	6,850	4B	7,150	52	3B	6,970
PRV-3-2	6,755	4	7,125	70	3	6,917
PRV-3-3	6,685	4	7,105	85	3	6,881
PRV-3-4	6,635	4	7,109	110	4D	6,889
PRV-3-5	6,880	4	7,125	0	3	6,880
PRV-GOLF	6,745	4	7,045	62	3	6,888
PRV-3-6	6,880	5B	7,324	0	3	6,880
PRV-4-1	7,014	5B	7,314	50	4B	7,130
PRV-4-5	6,990	6C	7,563	0	4	6,990
PRV-4-6	7,030	5	7,323	0	4	7,030
PRV-5-1	7,250	6C	7,550	42	5C	7,347
PRV-5-2	7,036	5B	7,334	65	5B/4	7,186
PRV-5-2A	7,036	5B	7,334	65	5B/4	7,186
PRV-5-3	7,250	6	7,546	0	5	7,250
PRV-6-1	7,375	8B	7,802	60	6B	7,514
PRV-7-1	7,540	8B	7,829	65	7B	7,690
PRV-7-2	7,540	8B	7,840	64	7B	7,688

3.1.6 Distribution Mains

The distribution system contains over 107 miles of pipe with a large range of pipe diameters, materials, and ages. Table 28, Table 29, and Table 30 give summaries of the distribution main diameters, materials, and age, respectively.

Table 28: Distribution Main Diameter Summary

Pipe Diameter (in)	Total Length (ft)
6.00	199,183
8.00	222,340
10.00	46,997
12.00	44,952
14.00	20,084
16.00	13,266
18.00	4,082
20.00	2,082
24.00	3,005

Table 29: Distribution Main Material Summary

Pipe Material	Total Length (ft)
Asbestos Cement, AC	230,999
Polyvinyl Chloride, PVC	124,089
Bar-Wrapped **Concrete Cylinder Pipe, CCP**	8,447
Cured in Place Pipe, CIPP	3,442
Ductile Iron Pipe, DIP	116,855
High-Density Polyethylene, HDPE	132
Steel Pipe	28,124
Unknown	43,903

Table 30: Distribution Main Age Summary

Pipe Age	Total Length (ft)
0-10 years	21,347
11-20 years	33,837
21-30 years	104,957
31-40 years	72,115
41-50 years	40,288
51-60 years	130,367
Unknown	153,079

3.2 System Demands

Existing system demands and peaking factors were developed using water production and metering data provided by IVGID. A description of how these demands were calculated can be found in Section 1.0. Utilizing the metering data, individual customer demands allocated geographically to the system pressure zones and then totaled. The existing ADD, MDD, and PHD for all pressure zones is summarized in Table 31, with the projected buildout demands for all zone summarized in Table 32. These demands will form the basis for all system capacity calculations and analysis performed.

Table 31: Pressure Zone Existing Demand Summary

Pressure Zone	ADD (gpm)	MDD (gpm)	PHD (gpm)
1	748	1,587	3,826
1E	8	18	43
1F	39	83	201
2	91	193	466
2A	10	21	49
2D	254	540	1,301
3	234	496	1,196
3A	5	11	28
3B	5	10	24
4	98	207	500
4B	18	39	93
4D	4	8	20
5	30	63	152
5-3	108	229	551
5B	21	44	106
5C	10	21	50
6	34	72	175
6B	2	4	11
6C	4	8	20
7B	12	26	64
8B	14	30	72
Total	**1,749**	**3,710**	**8,947**

Table 32: Pressure Zone Buildout Demand Summary

Pressure Zone	ADD (gpm)	MDD (gpm)	PHD (gpm)
1	760	1,612	3,887
1E	10	22	52
1F	43	92	221
2	96	204	492
2A	11	23	55
2D	264	559	1,349
3	236	500	1,205
3A	7	16	37
3B	5	10	25
4	99	211	509
4B	19	41	98
4D	5	11	27
5	30	64	154
5-3	111	235	566
5B	21	44	107
5C	10	21	50
6	36	76	184
6B	3	6	15
6C	4	9	22
7B	13	28	68
8B	20	43	104
Total	**1,803**	**3,826**	**9,226**

3.3 System Capacity

System capacity for both the existing system demand and projected buildout demand scenarios of the IVGID water system was determined using two different methodologies. First, a storage and supply analysis of the system was used to verify that capacity was available to serve the system connections. Second, water pressure, pipe velocity, and system fire flow analyses were used to determine if the distribution infrastructure was sufficient to convey the necessary water to meet the system demands.

Per NAC 445A.6672, a public water system must ensure that it can maintain sufficient capacity for the treatment and storage of water to satisfy the MDD and PHD of all system users. Storage and supply calculation tables for both scenarios were performed for the entire IVGID system. Additionally, the calculations were performed for key pressure zones and hydraulically connected areas. Figure 9 shows how the system was broken down for this analysis. The pressure zones were grouped based on the tank or tanks that primarily feed the zone. For

example, Zones 1, 2, and 2D were combined as they are primarily served by tanks R2-1 and R2-2, even though there are additional PRV connections that can draw water from Tank R3-1 or Tank R4-1 in high flow events.

The storage and supply calculations compare the system or zone total storage and pumping capacity of water sources against not only the system demand, but required operational, emergency, and fire storage as set forth in NAC 445A. For the purpose of this analysis, the operational storage for each zone is equal to the total volume required to meet ADD, emergency storage is 75% of operational storage, and the fire flow storage is assumed to be 540,000 gallons (3,000 gpm of fire flow for a 3-hour duration). Table 33 and Table 34 give the required storage for each pressure zone for the existing and buildout demand scenarios, respectively.

Table 33: Existing Required Storage by Zone

Pressure Zone	Operational Storage (gal)	Emergency Storage (gal)
1	1,076,831	807,623
1E	12,094	9,071
1F	56,463	42,347
2	131,283	98,462
2A	13,917	10,438
2D	366,236	274,677
3	336,509	252,382
3A	7,780	5,835
3B	6,820	5,115
4	140,705	105,529
4B	26,193	19,644
4D	5,706	4,280
5	42,796	32,097
5-3	155,151	116,363
5B	29,728	22,296
5C	13,959	10,469
6	49,170	36,878
6B	3,020	2,265
6C	5,623	4,217
7B	17,912	13,434
8B	20,347	15,260
Total System	**2,518,241**	**1,888,681**

Table 34: Buildout Required Storage by Zone

Pressure Zone	Operational Storage (gal)	Emergency Storage (gal)
1	1,093,964	820,473
1E	14,606	10,954
1F	62,169	46,627
2	138,593	103,945
2A	15,515	11,636
2D	379,720	284,790
3	339,248	254,436
3A	10,521	7,891
3B	7,048	5,286
4	143,216	107,412
4B	27,562	20,671
4D	7,532	5,649
5	43,252	32,439
5-3	159,262	119,446
5B	30,184	22,638
5C	14,187	10,640
6	51,680	38,760
6B	4,161	3,121
6C	6,079	4,559
7B	19,053	14,289
8B	29,246	21,935
Total System	**2,596,797**	**1,947,598**

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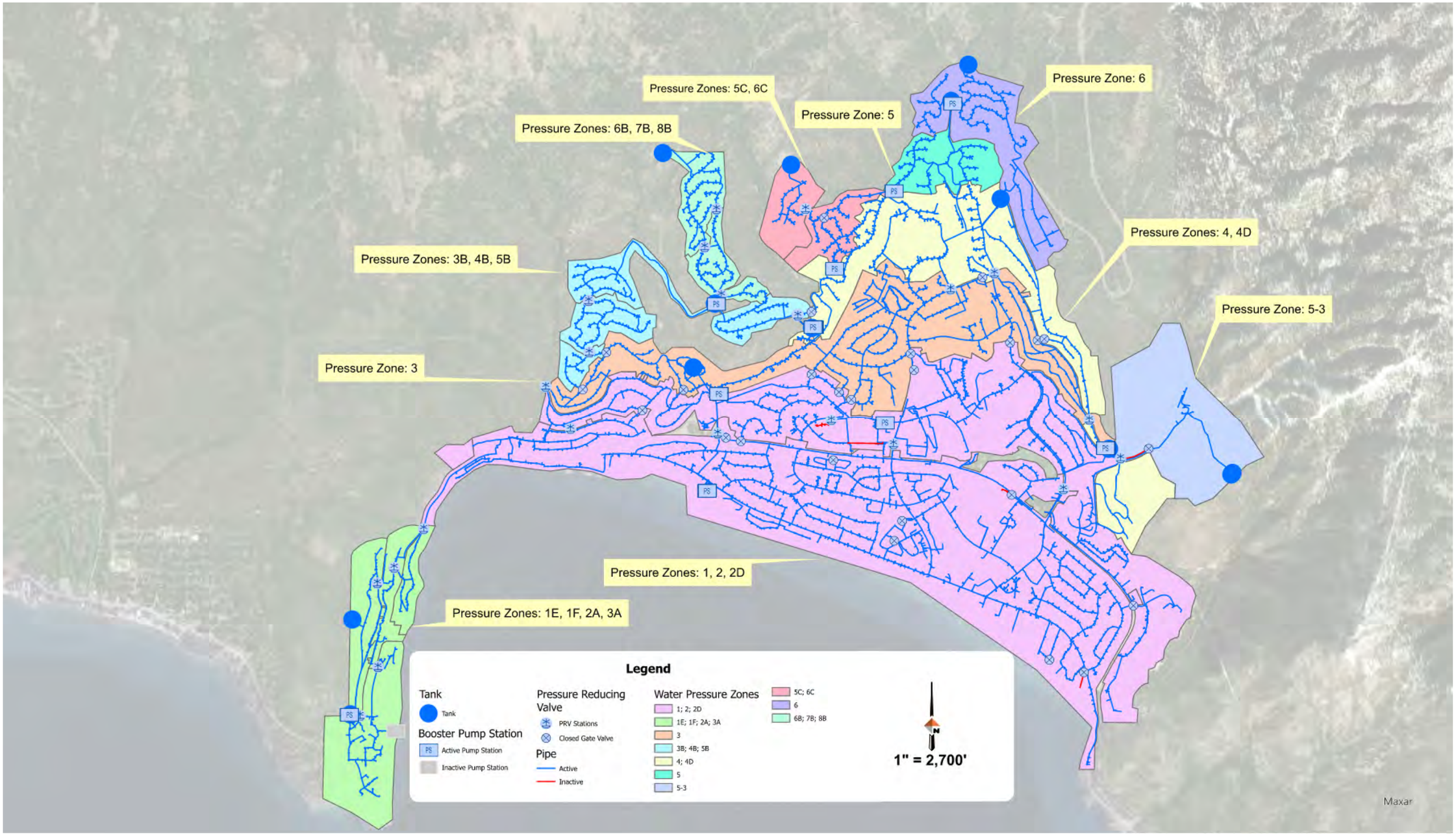

Figure 9: Storage and Supply Calculation Areas

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The distribution system capacity for the system was determined using a hydraulic model developed using the IVGID GIS and system information. System pressures and pipe velocities were determined for ADD, MDD, and PHD to ensure they meet NAC 445A requirements.

Per NAC 445A.6672.2, a public water system shall ensure that the residual pressure in the distribution system is:

- At least 20 pounds per square inch (psi) during conditions of fire flow and fire demand experienced during MDD
- At least 30 psi during PHD
- At least 40 psi during MDD

NAC 445A.6672.2 also states that high head losses must be avoided by maintaining normal water velocities below 8 feet per second (fps) during all conditions of flow other than fire flow. A fire flow analysis was performed using the hydraulic model to determine the lowest available fire flow within each pressure zone.

As shown in this report, the District is not expected to have substantial growth in a buildout condition. As such, many of the system capacity issues identified are not exacerbated by the buildout condition. Sections 3.3.1 and 3.3.2 below present the system capacity findings for the existing and buildout conditions respectively. Any deficiencies identified in these sections are discussed more thoroughly, along with proposed solutions, in Section 3.4 to avoid repetition.

3.3.1 Existing System Capacity

As the IVGID system is near buildout, past infrastructure improvements have been able to provide adequate capacity for the system. Per the calculations performed, the total system, as well as the designated areas previously shown, the system has adequate storage and supply capacity for both MDD and PHD scenarios. Table 35 shows the existing system capacity calculation results. More thorough calculation worksheets for the total system and the individual areas can be found in Appendix C.

Table 35: Existing Storage and Supply Capacity Summary

Pressure Zones	MDD Remaining Capacity (gal)	PHD Remaining Capacity (gal)
Crystal Bay (1E, 1F, 2A, 3A)	2,805,974	2,535,684
1, 2, 2D	7,316,786	2,601,985
5-3	3,917,321	3,452,680
3	6,633,181	5,625,418
4, 4D	6,343,159	5,904,693
5	4,686,312	4,558,148
3B, 4B, 5B, 5B-4	2,741,099	2,553,209
5C, 6C	598,188	539,545
6	3,241,634	3,094,381
6B, 7B, 8B	514,185	390,565
Total System	**8,435,438**	**893,906**

Table 36 summarizes the MDD and PHD pressure ranges seen in the hydraulic model. Pressure zones that do not meet the NAC 445A standard have been highlighted. Additionally, Figure 10 and Figure 11 show the distribution of pressure throughout the District during MDD and PHD respectively. It should be noted that model junctions located at or near storage tanks are not included in the results below as they do not represent metered connections.

Table 36: Existing Pressure Range Summary

Pressure Zone	MDD Pressure Range (psi)	PHD Pressure Range (psi)
1	51 to 152	48 to 147
1E	64 to 126	64 to 126
1F	**28** to 125	**28** to 125
2	47 to 209	45 to 208
2A	**36** to 173	36 to 171
2D	**28** to 179	**27** to 178
3	**27** to 165	**23** to 164
3A	67 to 173	65 to 171
3B	54 to 120	54 to 119
4	**17** to 210	**17** to 210
4B	43 to 115	43 to 115
4D	63 to 141	63 to 141
5	45 to 144	45 to 144
5-3	234 to 314	234 to 314
5B	**30** to 188	30 to 188
5C	**38** to 142	38 to 142
6	**34** to 169	34 to 168
6B	54 to 121	54 to 121
6C	44 to 234	44 to 233
7B	63 to 129	63 to 129
8B	**17** to 219	**16** to 218

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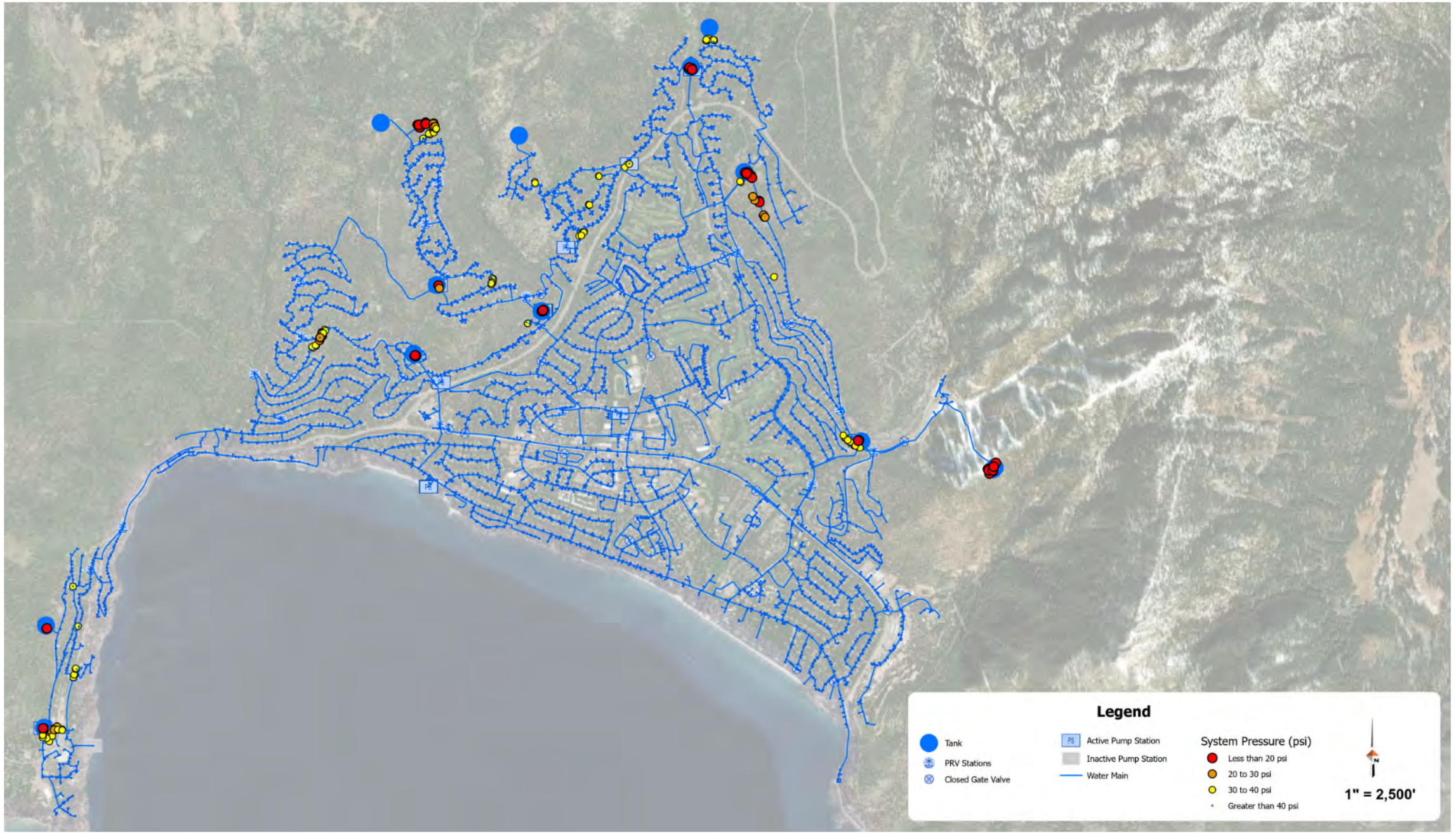

Figure 10: Existing System MDD Pressure

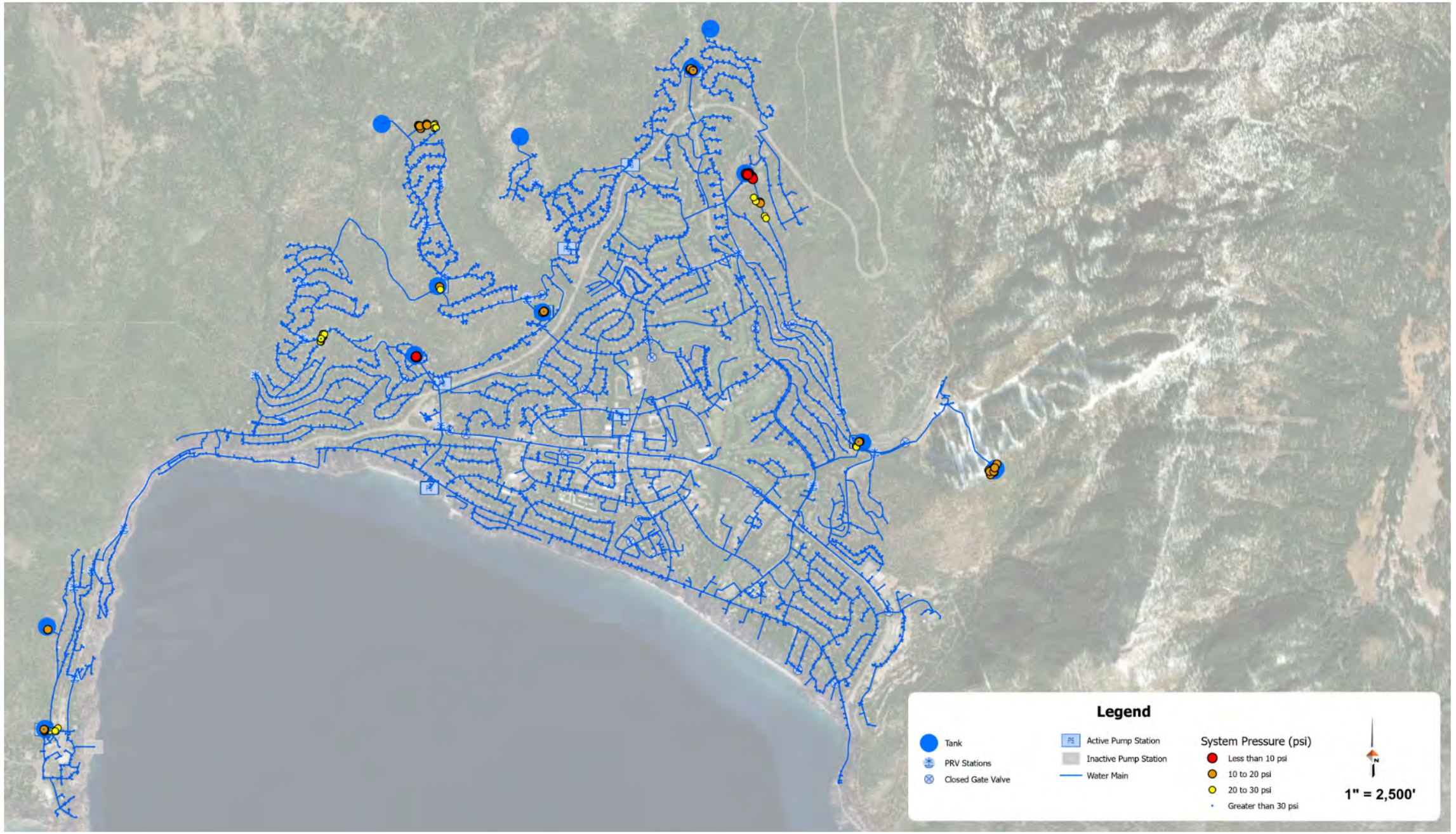

Figure 11: Existing System PHD Pressure

The hydraulic model was also utilized to determine fire flow availability throughout the District. The fire flow scenario was modeled at existing fire hydrants while maintaining a 20 psi residual pressure throughout the pressure zone in which the hydrant is located. Per NAC 445A requirements, this analysis was done in the MDD scenario. Table 37 summarizes the minimum fire flow within each pressure zone. Pressure zones with fire flow less than 1,000 gpm have been highlighted. Figure 12 is an overview map showing the distribution of fire flow availability throughout the District.

Table 37: Existing Minimum Fire Flow Summary

Pressure Zone	Available Fire Flow (gpm)
1	1,500
1E	2,500
1F	1,000
2	1,600
2A	**500**
2D	1,000
3	**300**
3A	**900**
3B	1,400
4	1,000
4B	1,200
4D	**800**
5	1,500
5-3	5,000+
5B	**600**
5C	1,000
6	**600**
6B	1,400
6C	1,900
7B	1,700
8B	**200**

Using the PHD scenario of the hydraulic model, pipe velocities were examined to see if they meet the criteria stated in NAC 445A. The PHD scenario is used as it represents the largest system velocities of the demand scenarios examined. Pipe velocities are reported below in Table 38. Pressure zones with pipe velocity exceeding the NAC 445A criteria of 8 fps have been highlighted. Figure 13 shows the maximum pipe velocities dispersed throughout the system.

Table 38: Existing Maximum Pipe Velocity Summary

Pressure Zone	Maximum Pipe Velocity (fps)
1	**13.2**
1E	2.4
1F	5.6
2	**8.3**
2A	5.8
2D	**14.7**
3	**8.6**
3A	3.8
3B	1.6
4	4.8
4B	2.1
4D	0.2
5	7.1
5-3	1.7
5B	4.7
5C	0.9
6	**10.2**
6B	1.2
6C	7.3
7B	1.7
8B	2.6

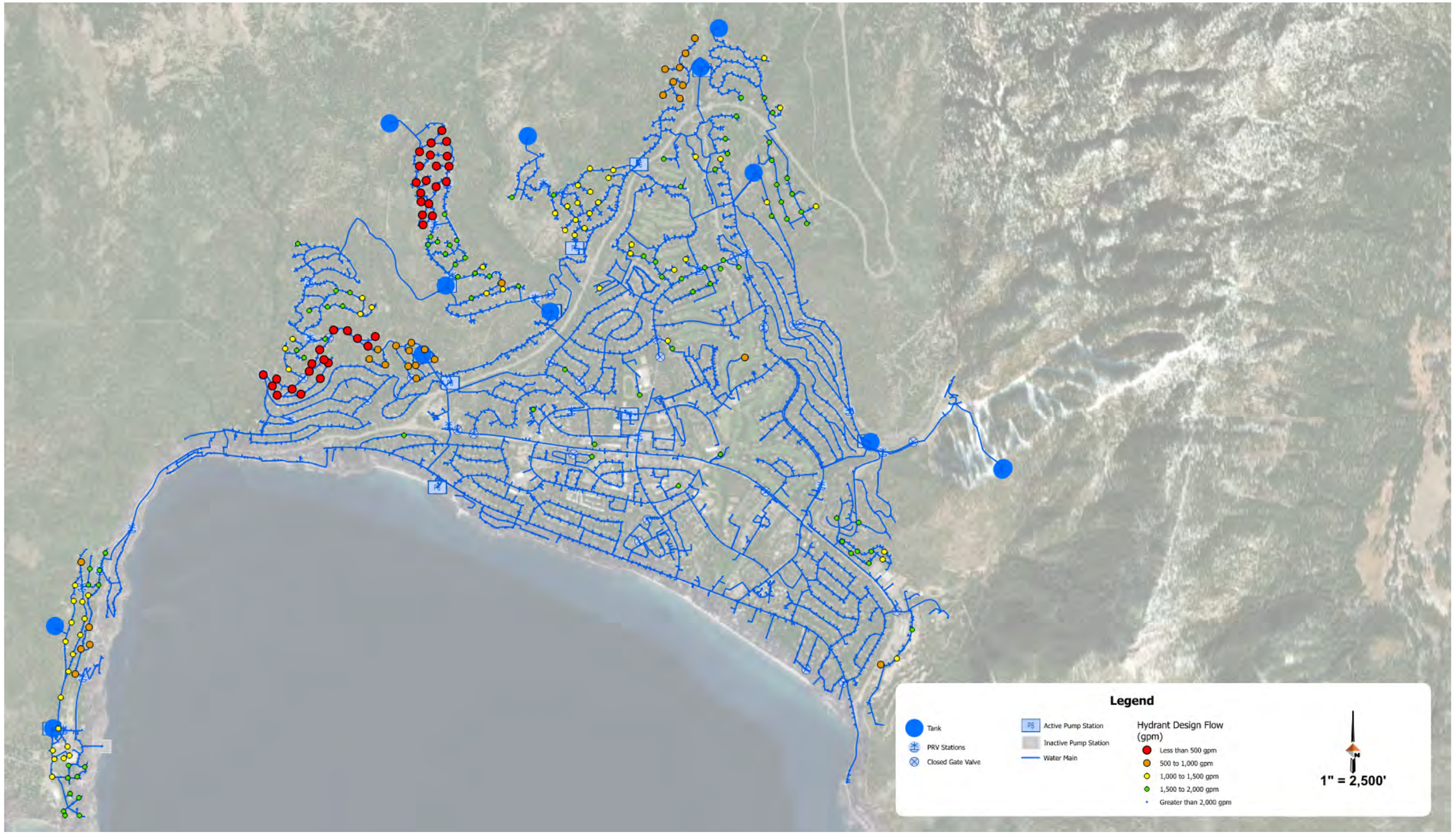

Figure 12: Existing System Available Fire Flow

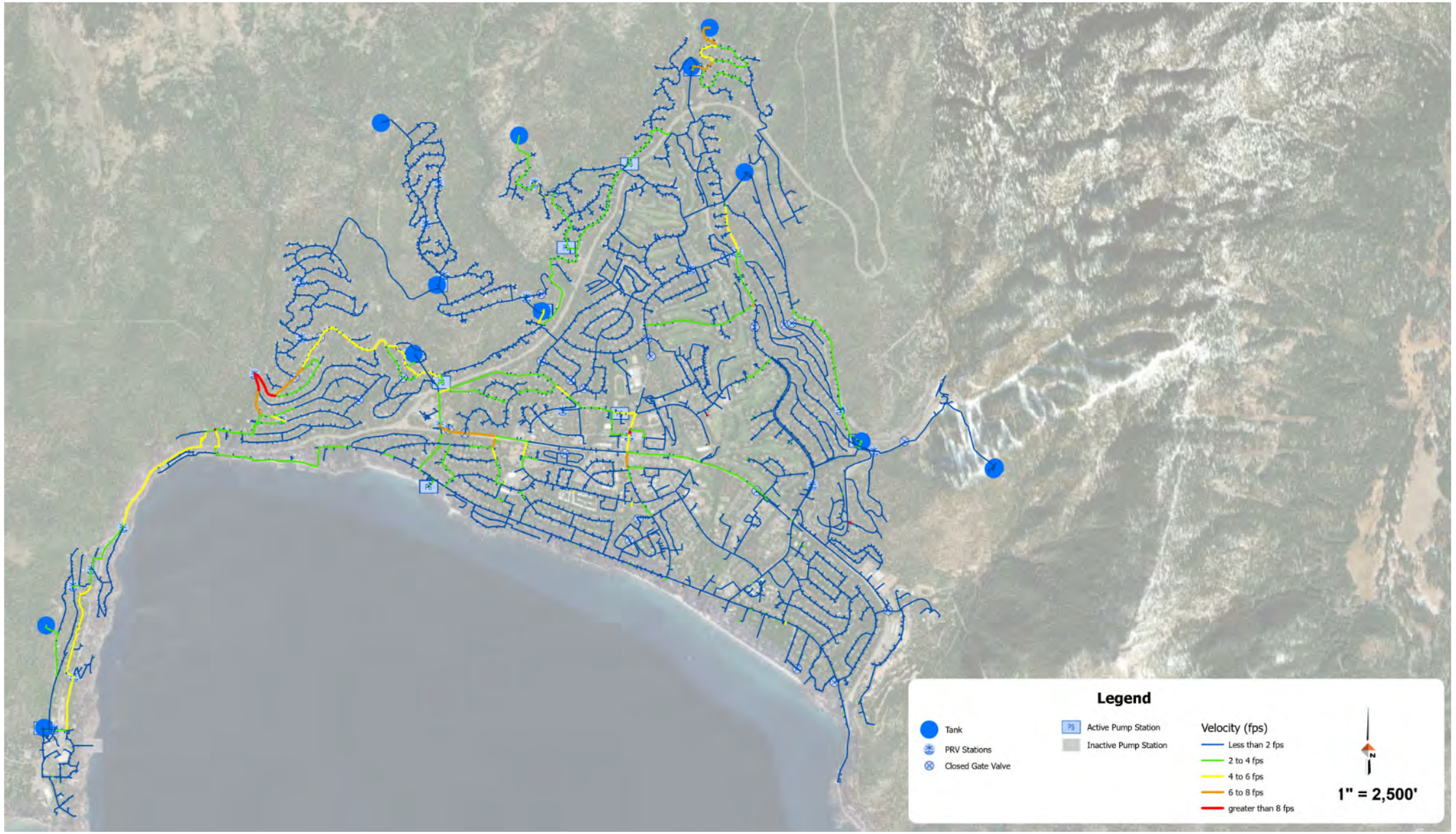

Figure 13: Existing System Maximum Pipe Velocities

3.3.2 Future System Capacity

As limited growth is anticipated, the buildout scenario for the IVGID system shows that adequate capacity is available in the existing infrastructure to be able to serve the MDD and PHD buildout demands. Table 39 shows the existing system capacity calculation results. As shown, the individual areas and total system show no capacity issues. More thorough calculation worksheets for the total system and the individual areas can be found in Appendix C.

Table 39: Buildout Storage and Supply Capacity Summary

Pressure Zones	MDD Remaining Capacity (gal)	PHD Remaining Capacity (gal)
1E, 1F, 2A, 3A	2,757,361	2,449,467
1, 2, 2D	7,169,949	2,341,565
5-3	3,901,407	3,424,456
3	6,622,574	5,606,606
4, 4D, 5	6,326,3686,622,574	5,874,9136,577,928
5	4,684,545	32,439
3B, 4B, 5B, 5B-4	2,733,148	2,539,108
5C, 6C	595,537	534,845
6	3,231,917	3,077,147
6B, 7B, 8B	470,898	313,794
Total System	**8,131,303**	**354,516**

Table 40 summarizes the MDD and PHD pressure ranges seen in the hydraulic model. Pressure zones that do not meet NAC 445A requirements have been highlighted. Additionally, Figure 14 and Figure 15 how the distribution of pressure throughout the District during MDD and PHD respectively. It should be noted that model junctions located at or near storage tanks are not included in the results below as they do not represent metered connections.

Table 40: Buildout Pressure Range Summary

Pressure Zone	MDD Pressure Range (psi)	PHD Pressure Range (psi)
1	51 to 152	48 to 147
1E	64 to 126	64 to 126
1F	**28** to 125	**28** to 125
2	47 to 209	45 to 208
2A	**36** to 173	36 to 171
2D	**28** to 179	**27** to 178
3	**27** to 165	**23** to 164
3A	67 to 173	65 to 171
3B	54 to 120	54 to 119
4	**17** to 210	**17** to 210
4B	43 to 115	43 to 115
4D	63 to 141	63 to 141
5	45 to 144	45 to 144
5-3	234 to 314	234 to 314
5B	**30** to 188	30 to 188
5C	**38** to 142	38 to 142
6	**34** to 169	34 to 168
6B	54 to 121	54 to 121
6C	44 to 234	44 to 233
7B	63 to 129	63 to 129
8B	**17** to 219	**16** to 218

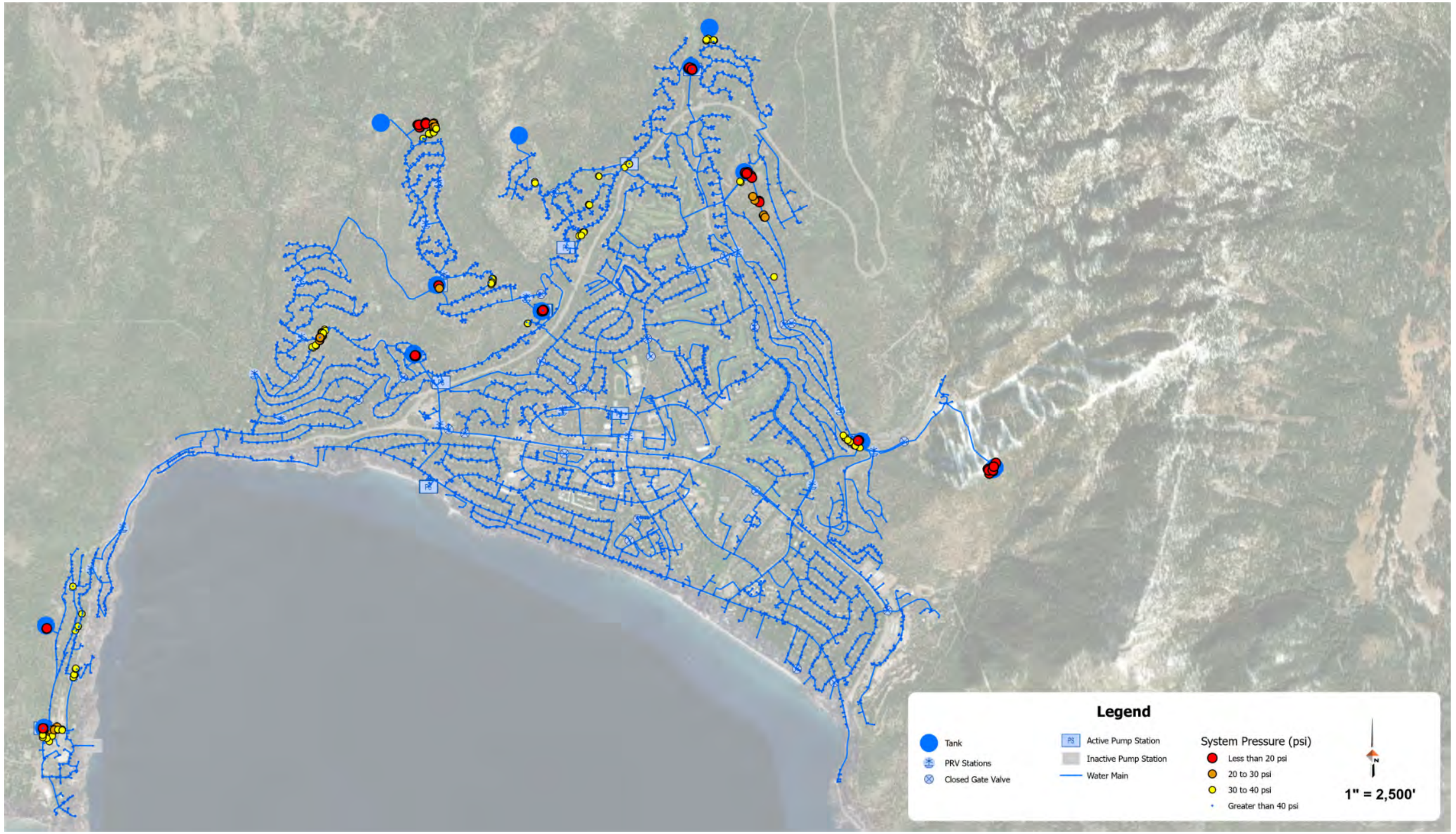

Figure 14: Buildout System MDD Pressure

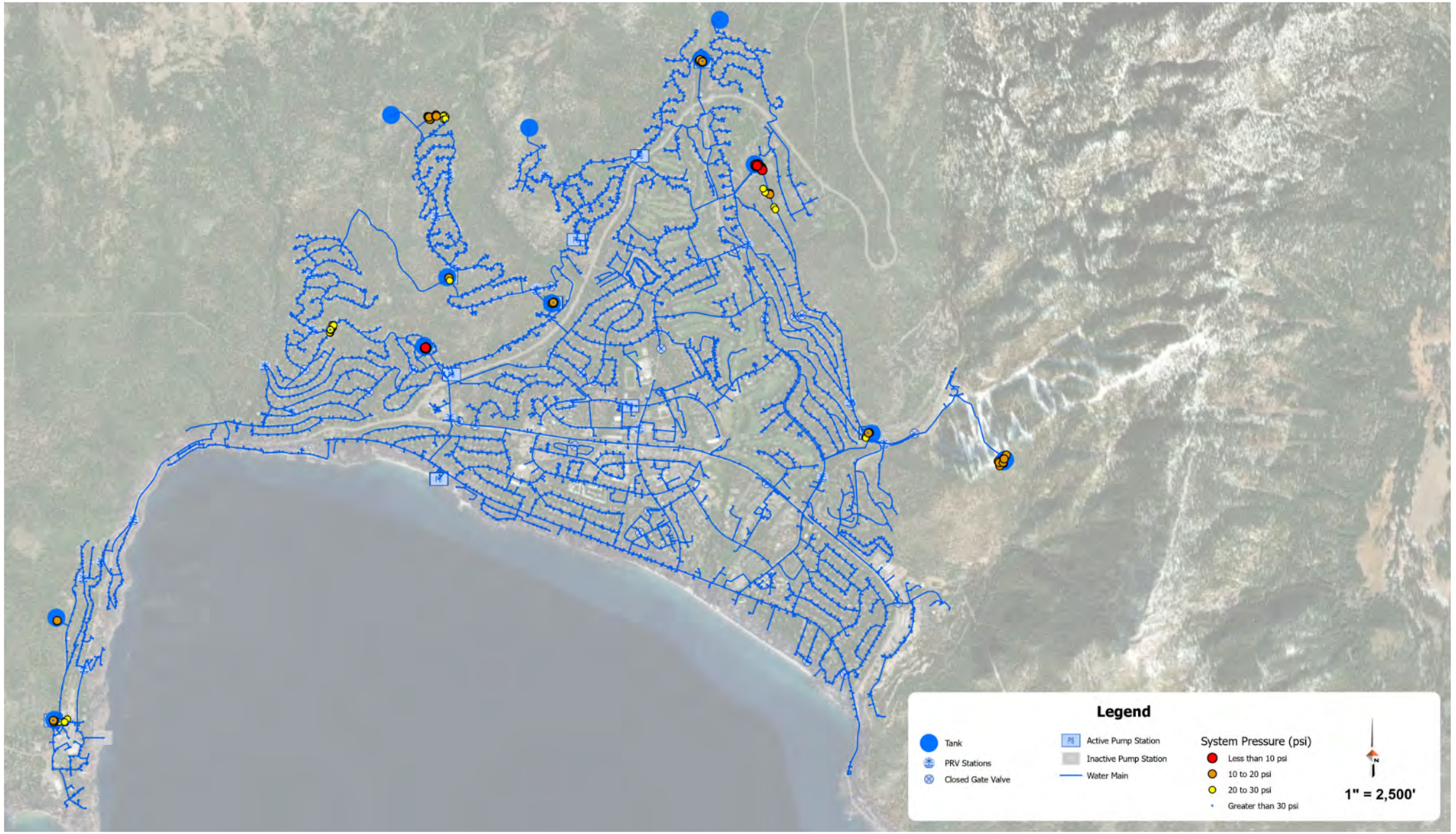

Figure 15: Buildout System PHD Pressure

The hydraulic model was also utilized to determine fire flow availability throughout the District. The fire flow scenario was modeled at existing fire hydrants while maintaining a 20 psi residual pressure throughout the pressure zone in which the hydrant is located. Per NAC 445A requirements, this analysis was done in the MDD scenario. Table 41 summarizes the minimum fire flow within each pressure zone. Pressure zones that have a minimum fire flow below 1,000 gpm have been highlighted. Figure 16 is an overview map showing the distribution of fire flow availability throughout the District.

Table 41: Buildout Minimum Fire Flow Summary

Pressure Zone	Available Fire Flow (gpm)
1	1,500
1E	2,500
1F	1,000
2	1,600
2A	**500**
2D	1,000
3	**300**
3A	**900**
3B	1,400
4	1,000
4B	1,200
4D	**800**
5	1,500
5-3	5,000+
5B	**600**
5C	1,000
6	**600**
6B	1,400
6C	1,900
7B	1,700
8B	**200**

Using the PHD scenario of the hydraulic model, pipe velocities were examined to see if they meet the criteria stated in NAC 445A. The PHD scenario is used as it represents the largest system velocities of the demand scenarios examined. Pipe velocities are reported below in Table 42. Pressure zones that have pipe velocity greater than the NAC 445A standard of 8 fps have been highlighted. Figure 17 shows the maximum pipe velocities dispersed throughout the system.

Table 42: Buildout Maximum Pipe Velocity Summary

Pressure Zone	Maximum Pipe Velocity (fps)
1	**13.2**
1E	2.4
1F	5.6
2	**8.3**
2A	5.8
2D	**14.7**
3	**8.6**
3A	3.8
3B	1.6
4	4.8
4B	2.1
4D	0.2
5	7.1
5-3	1.7
5B	4.7
5C	0.9
6	**10.2**
6B	1.2
6C	7.3
7B	1.7
8B	2.6

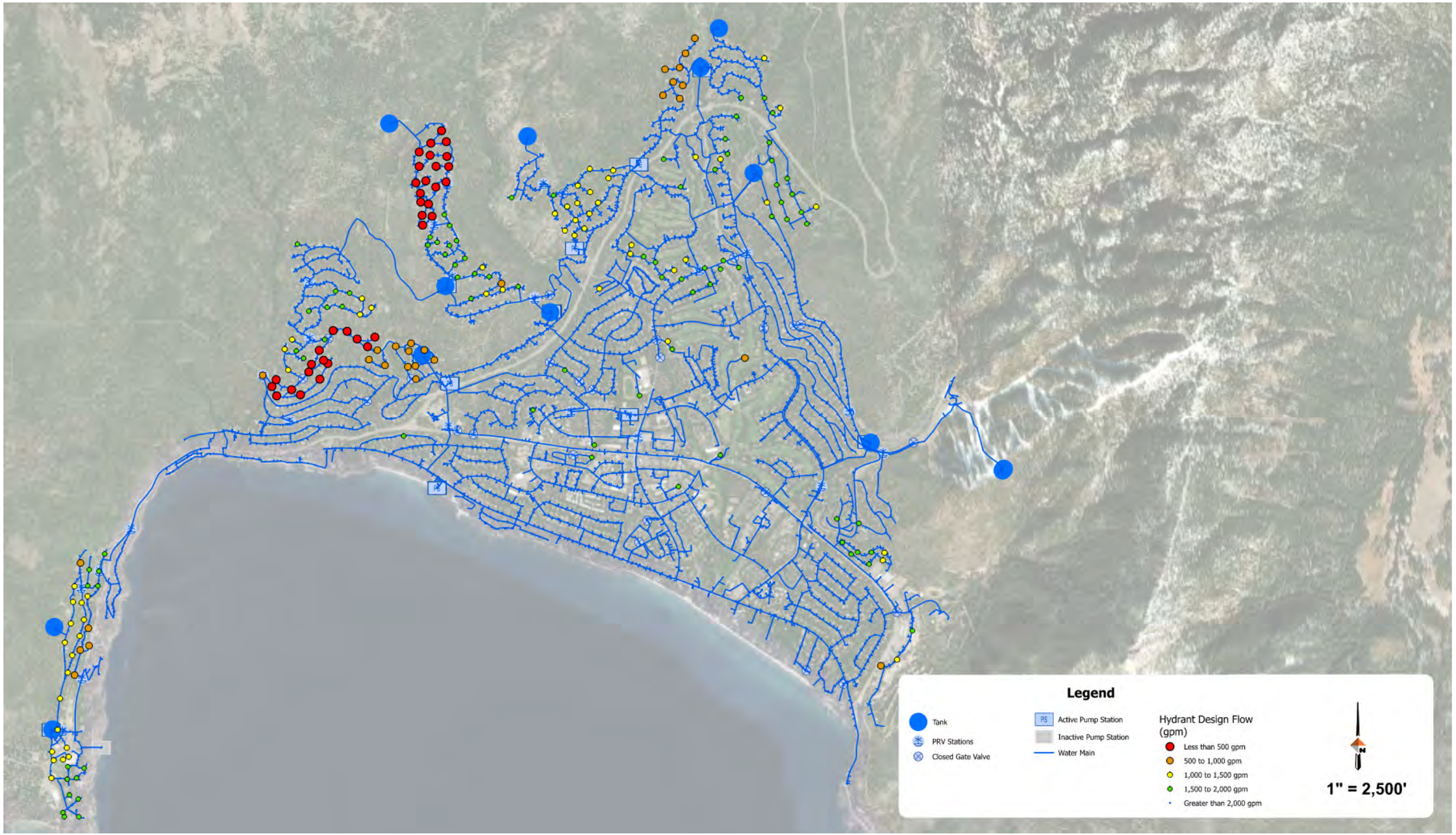

Figure 16: Buildout System Available Fire Flow

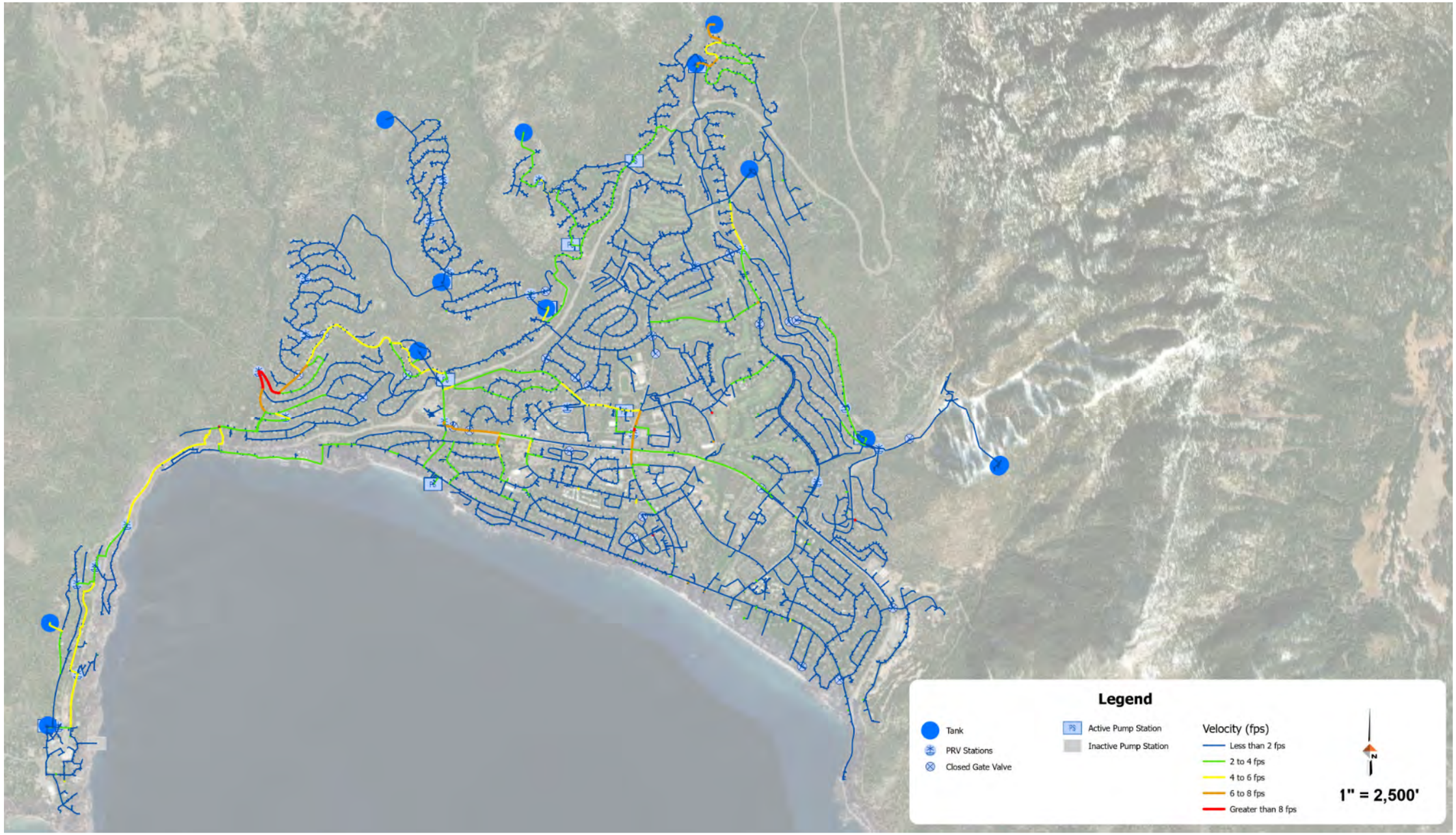

Figure 17: Buildout System Maximum Pipe Velocities

When comparing the hydraulic capacity of the IVGID water system at buildout to its existing state, the buildout demand has little to no impact. As the full buildout only increases the total system demand by approximately 5%, the additional demand creates no capacity issues, nor does it exacerbate the existing system capacity issues identified in Section 3.3.1. In fact, due to the low amount of demand expected to be added at buildout, many of the water pump stations could reduce their pumping capacity.

3.4 System Deficiencies and Operational Challenges

3.4.1 Emergency Water Source

Currently, the water system is solely reliant on the BCWDP as its source of potable water. While the infrastructure for a second intake was in place in Crystal Bay, the intake, treatment facilities, and pump station were decommissioned in 1995 and are currently inoperable.

The Crystal Bay intake could serve as a secondary, emergency water source for the District in the case of an emergency at the BCWDP. However, several improvements to the Crystal Bay site, as well as the distribution system would be required in order for the intake to be operable again. In no order of priority, this effort would include but not be limited to:

- Inspection of the existing intake to see if it is still in operable condition
- Clearing access to the existing intake pump station site as it is heavily overgrown
- Installation of new pumps and motors
- Installation of new water disinfection processes
- Upgrades to the existing site generator
- Installation of a transmission main from the Crystal Bay intake pump station to Zone 2A
- Obtain NDEP permits to be able to operate the new intake as required

Bringing the Crystal Bay intake back into operation would come at considerable cost and require a long lead time. This supply would also be tertiary, as the District currently has a functioning and permitted emergency intertie with the neighboring North Tahoe Public Utility District (NTPUD) at the California-Nevada state line. This emergency intertie acts as the emergency water source for Crystal Bay, but temporary pumping measures would be required in order for water to also supply Incline Village. Due to this, further study may be required in order to understand the scope of emergency water operations. These factors place a premium on the continued operations and maintenance of the BCWDP, along with thorough monitoring of the facility so that District staff can respond quickly in the event of an emergency.

3.4.2 Pump Station Rehabilitation and Capacity

Many of the pump stations within the District still utilize original equipment, including pumps and motors that are reaching the end of their useful lifecycle. Table 43 gives the year of construction of each pump station, as well as the year of the last time each station received a rehabilitation project.

Many of the pressure zones within the IVGID system, are solely reliant on a single pump station as a single source, it is paramount that each pump station has access to emergency power through onsite generators or portable generators. Table 44 summarizes the emergency power

available at each pump station, along with the number of pumps that can access that emergency power. Several of the pump stations can only supply emergency power to one of several pumps within the pump station. This poses a serious risk if the lone pump able to access backup power is out of service at the time of an emergency.

Table 43: WPS Construction and Rehabilitation History

BPS ID	Year of Construction	Year of Last Rehab
WPS 2-1/BCWDP	1994	2011
WPS 2-2	Unknown	2015
WPS 3-1	1970	Unknown
WPS 3A-1	1994	2015
WPS 4-1	2010	2010
WPS 4-2	1969	2000
WPS 5-1	1969 | 1998	1994
WPS 5-2	1970	2020
WPS 5-3	2010	2010
WPS 6-1	1970	Unknown
WPS 6C-1	1970	Unknown
WPS 8B-1	1970	Unknown

Table 44: Pump Station Emergency Power Summary

BPS ID	Emergency Power Source	Pumps Supplied
WPS 2/Crystal Bay (Not in Service)	Onsite Generator	3
WPS 2-1/BCWDP	Onsite Generator	1
WPS 2-2	Portable Generator	1
WPS 3-1	Onsite Generator	1
WPS 3A-1	Unknown	Unknown
WPS 4-1	Portable Generator	1
WPS 4-2	Onsite Generator	1
WPS 5-1	Onsite Generator	1
WPS 5-2	Onsite Generator	1
WPS 5-3	Onsite Generator	1
WPS 6-1	Portable Generator	1
WPS 6C-1	Portable Generator	1
WPS 8B-1	Portable Generator	1

Due to the aging infrastructure and lack of backup power being available to every pump, it is recommended that the District engage in a pump station rehabilitation program. This rehabilitation program would include an initial basis of design report (BDR) that would investigate the issues at each pump station, determine the scope of rehabilitation at each station, and then prioritize the order in which each one should be addressed.

During the rehabilitation project, it is also recommended that the capacity of each pump station be examined and determined if the pumping capacity of each pump can be decreased. As the District is currently near buildout (see Sections 3.3.1 and 3.3.2) the system has excess pumping capacity. This is capacity that is not required, and by decreasing the pumping capacity, and in turn power requirements, at each pump station, IVGID will reduce capital replacement and operating costs.

A preliminary analysis was performed to determine which pump stations would be able to reduce pumping capacity, as well as how much pumping capacity could be reduced. Three pump stations were not analyzed for pump station reduction, WPS 2-1, WPS 3A-1, and WPS 4-1.

WPS 2-1 is the sole pump station from the BCWDP and provides water for the whole system. Any reduction in capacity for the overall system would be inappropriate, as the pump station currently has a total capacity of 8,300 gpm, and the projected buildout PHD of the system is 9,226 gpm.

WPS 3A-1 is located in Crystal Bay and moves water from Zone 1F to Zone 3A. This movement of water is totally within the pressure zones of Crystal Bay and does not represent the actual source of water for this area.

WPS 4-1 currently operates for only part of the year. During the fall and winter, the pump station is bypassed so that water from R4-1 can supplement snowmaking efforts at Diamond Peak. As this pump station is already lower in capacity (500 gpm) than the majority of pump stations, it was excluded.

The results of the preliminary analysis are shown in Table 45. The values presented in Table 45 are theoretical minimum pump station capacities which still meet NAC storage and supply criteria, but should not be understood as engineering recommendations. The initial pump station BDR will fully analyze each station and make a design capacity recommendation once all factors have been considered.

Table 45: Pump Station Capacity Reduction

BPS ID	Existing Capacity (gpm)	Reduced Capacity (gpm)
WPS 2-1	8,300	n/a
WPS 2-2	3,640	1,500
WPS 3-1	5,400	1,600
WPS 3A-1	104	n/a
WPS 4-1	500	n/a
WPS 4-2	4,500	1,000
WPS 5-1	2,100	500
WPS 5-2	3,050	500
WPS 5-3	3,200	1,000
WPS 6-1	2,550	500
WPS 6C-1	600	500
WPS 8B-1	600	500

3.4.3 Storage Reservoir Coating

Currently, IVGID has a program to recoat the tank exterior and interior every 10 years. However, due to the high-quality water in the system and the state of the tank interiors, the interior re-coating for the tanks has been delayed. Table 46 gives the last known date each tank has had its interior and exteriors recoated. Table 47 proposes a more formal tank recoating schedule in order to maintain the health of this key infrastructure. It should be noted that R5-3A and R5-3B are not listed in the proposed schedule for exterior coating, as they are scheduled to be recoated in the spring of 2024.

Table 46: Previous Tank Coatings

Tank ID	Last Interior Coating	Last Exterior Coating
R2	Unknown	Unknown
R2-1	1993	2021
R2-2	1994	2022
R3-1	2001	Unknown
R3A-1	Unknown	Unknown
R4-1	1998	2015
R5-1	2005	2016
R5-2	2003	2015
R5-3A	1994	2024
R5-3B	2005	2024
R6-1	2008	2022
R6C-1	2008	2021
R8B-1	2003	2016

Table 47: Proposed Tank Recoating Schedule

Year	Interior Recoating	Exterior Recoating
2025	R2 R5-3A	R4-1 R2
2026	R2-2 R4-1	R5-1 R8B-1
2027	R2-1 R3A-1	R5-2 R3-1
2028	R3-1 R5-2 R8B-1	R3A-1
2029	R5-1 R5-3B	R2-1 R6C-1
2030	R6-1 R6C-1	R2-2 R6-1

For the tanks that have had their exterior surfaces recoated multiple times, the weight of the composite layer of recoated paint is causing the current paint layer and other layers of paint to peel away from the structure. This process is exposing lead-based paints that were used during previous coatings and in some cases causing the original primer to peel away from the bare metal structure, exposing the structure directly to the elements. Additional investigation is recommended to determine which tanks should be sandblasted and given a fresh primer and coat of paint.

Due to the topography of the region, many of the tanks are built into the hillside and do not have retaining walls on site to prevent sloughing. Several of the tanks also experience rock strikes on

a frequent basis, and tank R3A-1 currently has rock resting against the tank wall. The site layout at each tank should be inspected to determine recommendations that would help improve the layout and reduce the potential for rockfall and any structural damage that could result from a rockfall.

Tank R2-1 is also in need of repairs that were not identified in the last inspection report. The tanks overflow vents on the roof were undersized, and the tank had an overflow a number of years ago. Due to the undersized vents, the tank roof was damaged. The damage to the tank is not structural and has no effect on the safe operation of the tank. The overflow vents are assumed to have since been replaced and properly sized. However, the roof damage is still present, and the tank is in a high visibility area. The tank roof requires replacement, and during the replacement the overflow vents should be reviewed to ensure they are still properly sized.

3.4.4 Aging Steel Mains

The largest problem facing the system distribution mains is leaks, with steel pipes failing more often than any other material. The majority of pipe in the system is in good condition, however as shown in Table 29, over 28,000 feet of steel pipe remains in the system. Of the steel pipe remaining, approximately 24,600 feet has degraded significantly, while the remaining portion (located in and near Ski Way) was relined with cement mortar in 2010. IVGID has made concerted efforts to replace aging steel pipe over the last 20 years. However, the sections that remain experience leaks most frequently during the summer months when construction and fire hydrant testing can cause unexpected water hammer. IVGID performs leak detection on these steel lines every 6 months in order to identify the sections that require immediate replacement. Figure 18 shows the remaining steel mains within the system.

With nearly 5 miles of steel main remaining within the system, it is recommended that the District take a phased approach in replacing the water mains. Per the District utility GIS data, several of the sections of main have been labeled as “Leaky,” as well as had a number of work orders to fix various issues. This data, along with IVGID staff input, was used to inform the priority of the phasing. The total length of pipe to be replaced in each phase can be seen in Table 48 and a map of the phasing can be seen in Figure 19.

Table 48: Steel Main Replacement Project Phase Summary

Phase	Length of Main to Replace (ft)
1	3,525
2	3,126
3	3,645
4	2,721
5	3,590
6	2,438
7	1,886
8	3,717
Total	**24,648**

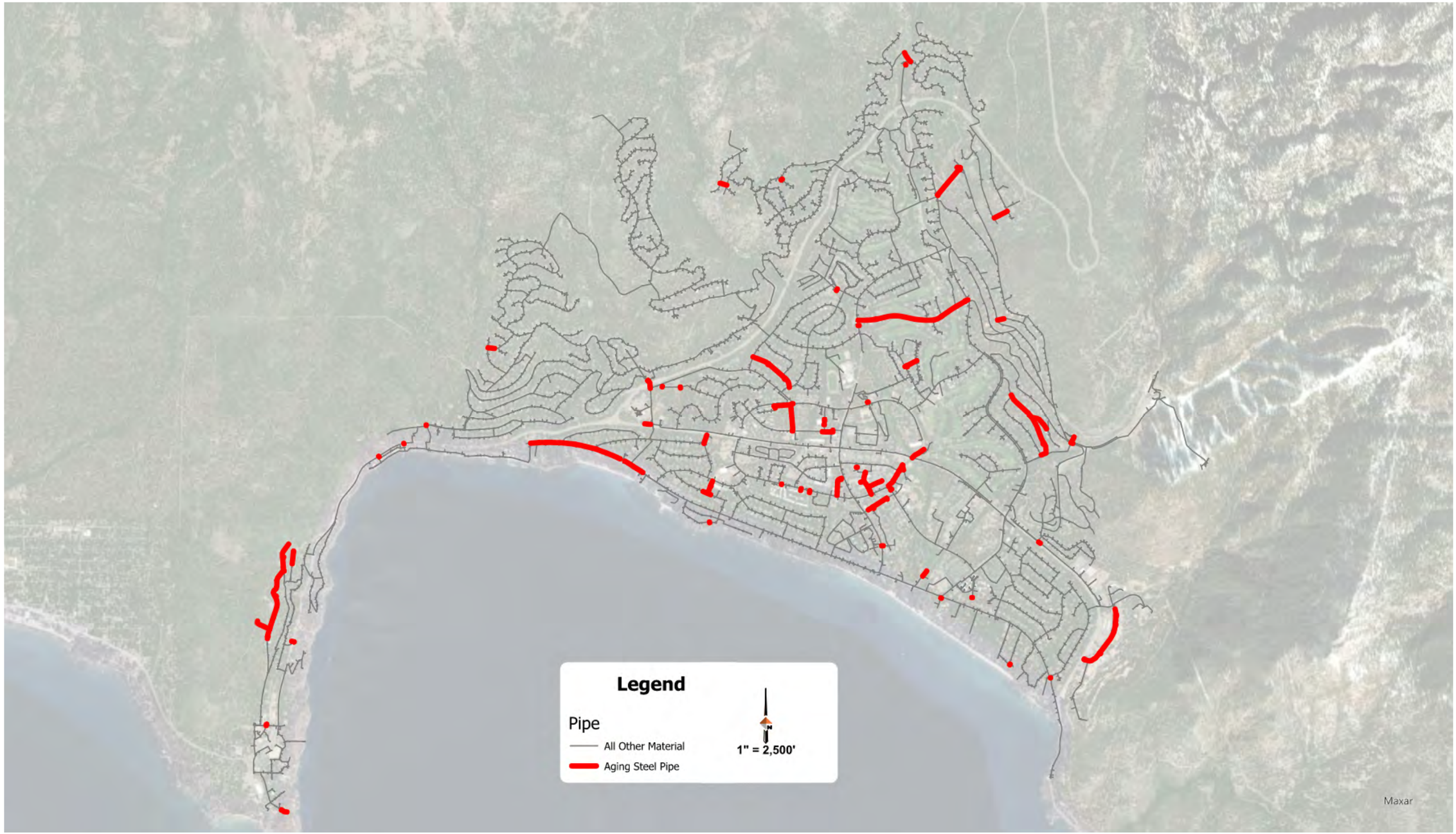

Figure 18: Aging Steel Mains

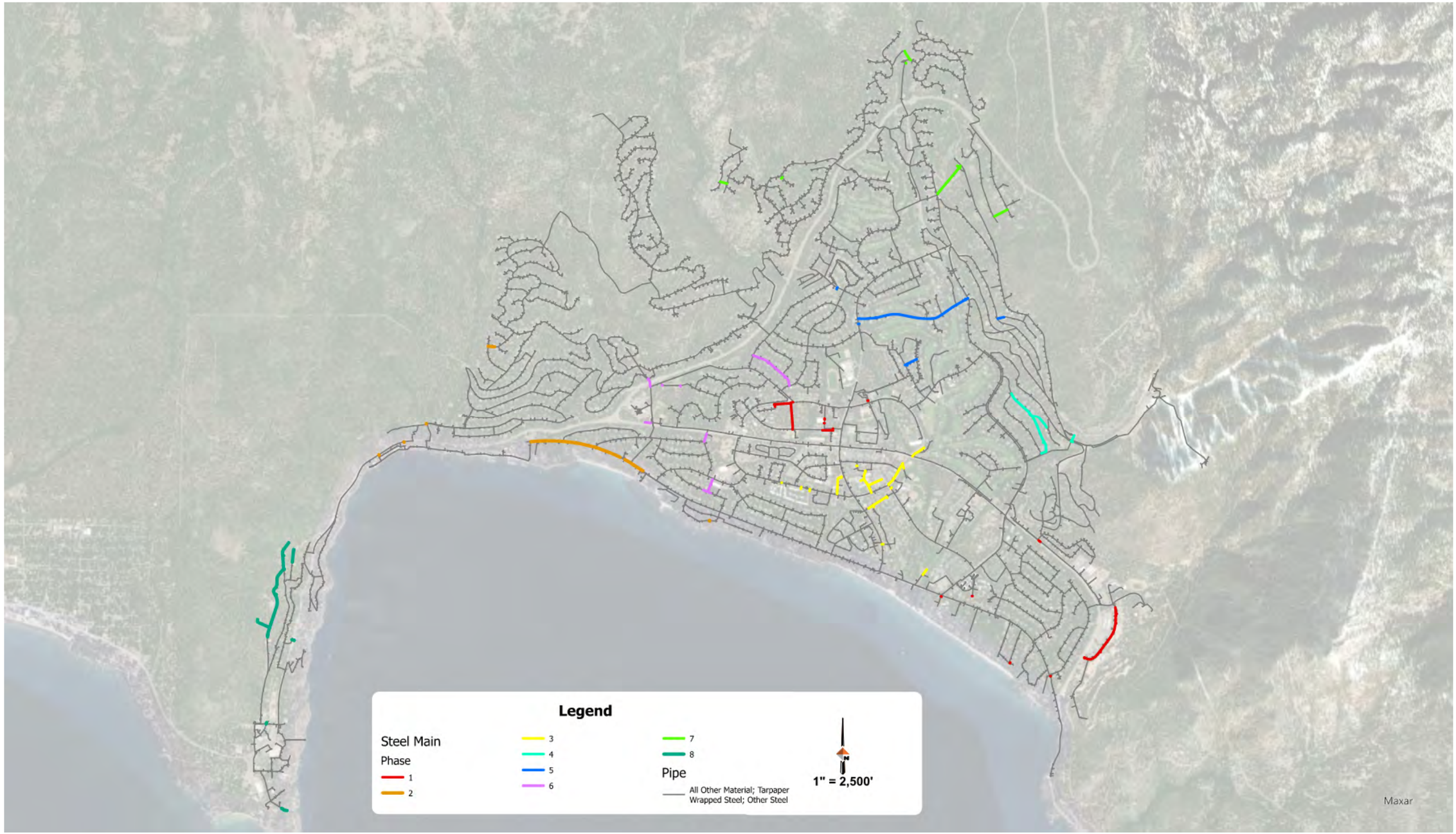

Figure 19: Steel Main Replacement Phasing

3.4.5 Aging Water Services

In addition to leaks in the steel mains, water leaks have occurred fairly frequently at service saddle locations. While the pipe itself is in good condition, many of the older service saddles utilize a plastic bushing that is reaching the end of its life cycle. Many of these saddles are also lacking epoxy coated or stainless-steel straps leading to failure. A few services in the area also utilize galvanized steel. In some older homes, the structures are grounded to the copper water pipes, leading to the steel saddle straps acting as cathodic protection and eroding away.

These older services are primarily located in the northwestern portion of the system in areas of older AC pipe. Based on the analysis performed in Section 2.0, the number of services that meet these criteria is approximately 850. Due to the age of the pipe and the state of the saddle strap, efforts to replace the nylon bushing have led to service saddle failures when the pipe is excavated. This has led to excessive emergency repair costs. Additionally, many of these mains are installed at depths greater than seven feet. In 2020, one single emergency service saddle repair cost the District over $80,000 in labor, materials, equipment, and pavement repair. Should these costs be projected to the other 850 saddles in this area, this cost would exceed $68,000,000. At this cost, it is recommended that the District begin an AC main replacement program once the steel main replacement has been completed.

3.4.6 System Operating Pressure

As shown in Section 3.3 several pressure zones have working pressures below the NAC 445A requirement of 40 psi for MDD and 30 psi for PHD. Table 49 below gives a summary of the zones that have a pressure deficiency during MDD or PHD. An explanation for each zone's deficiency is provided in the sections below.

Table 49: Pressure Zones with Operating Pressure Deficiencies

Pressure Zones with MDD Deficiency	Pressure Zones with PHD Deficiency
1F	1F
2A	2D
2D	3
3	4
4	8B
5B	
5C	
6	
8B	

3.4.6.1 Zone 1F

Zone 1F operating pressure is dependent on the level of tank R2, as well as PRV 1-10, to provide adequate pressure. When modeled with the R2 level at maximum (40 feet), system pressures increase enough to resolve some of the lower pressures in the zone. The areas that still have pressure deficiencies, but are near the NAC 445A minimum (i.e., nodes have pressures of approximately 39 psi and 29 psi for MDD and PHD respectively). These tight tolerances could be the result of incorrect elevations within the hydraulic model or other incorrect geometry or demand information.

This area requires further field investigation to determine what the working pressures are and then utilize that data to further calibrate the model.

3.4.6.2 Zone 2A

Similar to Zone 1F, pressures in Zone 2A are dependent on the hydraulic boundary conditions of the model. Modeling the R2 tank at maximum also yields positive results for Zone 2A. With R2 full, PRV 1-10 (which moves water from Zone 2A to Zone 1F) does not fully open. When the tank level drops, the PRV opens and flow from Zone 2A to Zone 1F increases. This increased flow causes a pressure drop in the area directly upstream of the PRV, lowering the operating pressure to below NAC 445A standards.

This area also requires further field investigation to determine if the operation shown in the model is in sync with real world operations. Once the improved data is collected, the model can be updated accordingly and provide better pressure information. However, due to the minimum pressure seen (36 psi) it is plausible that small errors in service elevation may also be causing the issue, and this deficiency is not considered a priority area.

3.4.6.3 Zone 2D

Operating pressures lower than NAC 445A standard within Zone 2D are located along 1st Green Drive. This area is directly below, and adjacent to tank R2-2 that provides storage and head for the zone. The base elevation of the tank is 6,692 ft. and has a maximum water elevation of 6,727 ft. The low-pressure areas have elevations ranging from 6,655 ft. and 6,630 ft. This corresponds with maximum possible static pressures of 31 psi and 42 psi, respectively. As the model elevations were collected from LiDAR data, it is possible that the node elevations could be off by an amount to explain the deficiency.

It is recommended that field survey be utilized to determine the actual service elevations in this area before any improvements are recommended. In the interim, District staff should be cognizant of any low-pressure complaints that they may receive from customers in the area.

3.4.6.4 Zone 3

Zone 3 sees several areas with lower operating pressures. However, the majority of those areas are above 35 psi, and similar to the other zones previously discussed, could be affected by the elevation data used to develop the model. One area though requires further field investigation to determine if operational changes in the zone are required. A clustering of metered connections on Tyner Way sees pressures drop below 30 psi during MDD. This section is a hill that crests near Valley Drive. The water main in Tyner Way provides significant flow to PRV 2-1 that moves water from Zone 3 to Zone 2. Field investigation is required to determine if PRV 2-1 does act as a main source for the west side of Zone 2. However, if it is determined that the 10-inch main does provide a large portion of flow to PRV 2-1 (> 1,000 gpm), the pressure drop would not be significant enough to drop pressures below 30 psi.

The Tyner Way main is currently connected to Zone 3B via the 6-inch main in Valley Drive. This inter zonal connection utilizes a normally closed gate valve to maintain separation between the two zones. It is recommended that investigation of this area include field survey and pressure readings along Tyner Way. If elevations are shown to prevent the area from reaching pressures

greater than 40 psi, the District should consider installing a new PRV at the end of the Valley Drive line. This will allow IVGID staff to raise the pressure in the entire west side of Zone 3.

3.4.6.5 Zone 4

Pressure deficiencies in Zone 4 that can affect metered customers is localized to the upper portion of Fairview Boulevard directly below tank R4-1 that supplies the zone with storage and hydraulic head. This area does require field survey and investigation to ensure that model elevations are accurate. However, the area is limited in terms of possible remedies, such as raising the tank base elevation or possible connection to the adjacent Zone 6. After a field investigation of the area, further study of this area is required. District staff should be cognizant of lower pressure complaints from residents within this area.

3.4.6.6 Zone 5B

Low operating pressures in Zone 5B are localized to a dead end 6-inch main in Tyner Way just north of Valerie Court. This dead main runs parallel to another dead end 6-inch main that is connected to Zone 6B. As Zone 6B is a higher pressure zone, a PRV connection between the two zones, or moving the affected services to the higher pressure zone are options to consider. However, this area is comprised of older AC, and it is safe to assume that these services are degrading as described in Section 3.4.5.

If the current operating pressures are acceptable to customers and District staff, it is recommended that this area be consolidated into a single main, the lower pressure services be moved from Zone 5B to Zone 6B, and a PRV connection between the zones be made when it is apparent that both mains in Tyner Way require replacement.

3.4.6.7 Zone 5C

The only model junctions experiencing pressures below 40 psi in Zone 5C are located directly downstream of PRV 5-1 that provides flow from Zone 6C to Zone 5C. The pressures seen at this location are shown to be above 35 psi. A field survey to verify elevations may show that true pressures are above 40 psi. However, if this is not the case, Zone 5C is completely dependent on this PRV for pressure and flow, and simply adjusting the setting of the PRV from 42 psi to 45 psi will remedy the issue. Zone 5C currently has several areas with pressure larger than 100 psi, so it is assumed that service connections there are already equipped with individual PRVs.

3.4.6.8 Zone 6

Zone 6 low pressure is limited to an area just below tank R6-1 that supplies the zone with storage and pressure. These nodes are greatly affected by the level in the tank. When the tank level is at maximum no areas in the zone experience a pressure deficiency. However, it is recommended that field survey be conducted to confirm elevations in the area to further calibrate the hydraulic model.

3.4.6.9 Zone 8B

Pressures in Zone 8B are reliant on tank R8B-1. As such, the level in the tank has a great effect on the operating pressure within the zone. Several model nodes, however, are deficient with tank at maximum level. Similar to other zones, a field survey may show different elevations than

that in the model. Zone 8B is limited in possible remedies though as it is the highest elevation pressure zone in the system. Additionally, seasonal set points for tank R8B-1 can reduce pressure to below NAC 445A requirements if set too low. Further study of this area and its operations may be required, and lower operating pressures may be considered normal.

3.4.7 System Pipe Velocity

System pipe velocities exceed the NAC 445A requirement of 8 fps in five different pressure zones: Zone 1, Zone 2, Zone 2D, Zone 3, and Zone 6. A handful of the pipes experiencing these high flows are service laterals connected to high demand meters. These services are located in Zone 1 and Zone 2D. In fact, service laterals comprise all the deficient pipes in Zone 1. The individual metered customers connected to these laterals have been communicated to District staff to investigate whether abnormally high-water usage is responsible, or if a larger service lateral is required for the customer.

The remaining pipes in the system with excessive velocity are located throughout the other named pressure zones as shown in Figure 13. While these areas should be monitored to ensure that no issues arise from the high velocity, it is not recommended that the District take immediate action to alleviate these issues. This is primarily due to the fact that the high pipe velocity should only be avoided in order to reduce inefficiencies in pumping water. None of these pipes are directly downstream or upstream of a pump station. Additionally, none of these pipes are in low pressure or fire flow areas.

3.4.8 System Fire Flow

Fire protection for the District falls under the North Lake Tahoe Fire Protection District (NLTFPD). In 2018, the NLTFPD adopted the 2018 International Fire Code (IFC) as ordinance, regulating fire protection within the district. Per Appendix B of the IFC, residential buildings less than 3,600 sq. ft. have a minimum fire flow is 1,000 gpm. All other buildings are subject to a minimum flow of 1,500 gpm. However, the NLTFPD is authorized to decrease fire flow requirements or utilize the International Wildland-Urban Interface Code or NFPA 1142 in any area in which adequate and reliable water supply does not exist.

Based on these ordinances, a minimum fire flow of 1,000 gpm was used to determine if any fire hydrants within the system are considered deficient. Per Section 3.3 of this Plan, eight of the 21 pressure zones in the system have minimum fire flows less than 1,000 gpm. Table 50 below summarizes which zones have deficient flow and the reason for the deficiency.

Table 50: Fire Flow Deficiency Summary

Pressure Zone	Reason for Deficiency
2A	Hydrants located at end of 8-inch transmission main between Incline Village and Crystal Bay
3	Hydrants along low-pressure area previously identified at west end of zone Hydrants served by 6-inch mains
3A	Hydrants located close to tank in elevation Hydrants served by 6-inch mains
4D	Hydrants served by 6-inch mains
5B	Hydrants to close to tank in elevation Hydrants served by 6-inch mains
6	Hydrants served by 6-inch mains Hydrants located close to tank in elevation
8B	Hydrants served by 6-inch mains

Of the seven zones with deficiencies, six are caused by hydrants tapping off of 6-inch water mains. A 6-inch main is considered undersized for fire protection purposes, due to the large amount of pressure loss that can occur at high flows. To illustrate this point, a brand new 6-inch PVC pipe has a pressure drop of 24.6 psi per 1,000 ft. at a flow of 1,000 gpm. A similar 8-inch pipe only has a pressure drop of 6.1 psi per 1,000 ft. at a flow of 1,000 gpm. The flow properties of a 6-inch diameter main, combined with the age and possible degradation of many of these mains, is leading to large reductions in fire flow. Specific recommendations for each zone can be found in Table 51, but, upsizing existing 6-inch mains to 8-inch will provide more robust fire protection in the District.

Table 51: Recommended Actions to Increase Fire Flow

Pressure Zone	Recommended Action
2A	Investigate water movement and operations in Crystal Bay
3	Investigate possible PRV connection to Zone 3B Investigate main upsizing at end of existing main lifecycle
3A	Investigate water movement and operations in Crystal Bay Investigate main upsizing at end of existing main lifecycle
4D	Adjust settings on PRV 3-4 to achieve higher static pressure Investigate main upsizing at end of existing main lifecycle
5B	Investigate possible PRV connection from Zone 6B Investigate main upsizing at end of existing main lifecycle
6	Investigate main upsizing at end of existing main lifecycle
8B	Investigate main upsizing at end of existing main lifecycle

3.5 Recommendations

Several deficiencies have been identified in the District water distribution system, pump stations, and tanks. Table 52 is a list of recommended projects to address those deficiencies. Project cost estimates and a prioritized CIP can be found in Section 5.0.

Table 52: Recommended Water Distribution System Projects

Project	Project Description
Bi-Annual Leak Testing	Perform leak testing twice a year on the remaining steel pipe within the system.
5-Year Storage Tank Inspection Program	Inspect the system storage tanks every 5 years.
Annual Tank Maintenance and Recoating Program	Perform recommended improvements and maintenance to the tanks annually. Recoat the interior and exterior of the tanks per the recommended schedule.
Booster Pump Station Condition Assessment and BDR	Perform a condition assesment of the system booster pump stations in the system and draft a BDR to scope the rehab effort and prepare preliminary designs.
Booster Pump Station Improvement Program	Enact the Booster Pump Station Condition Assessment and BDR by rehabilitating the booster pump stations in the recommended order.
Steel Main Replacement Program	Replace the remaining steel pipe in the system.
AC Main Replacement Program	Replace the aging AC main in the system.

4.0 WATER DISINFECTION PLANT

4.1 Facility History and Description

4.1.1 History

The Incline Village General Improvement District (IVGID) originally constructed an intake screen, pump station, pipeline, and storage tank in the early 1960's. Evolving regulations required changes to the system over time. Currently, IVGID owns and operates the Burnt Cedar Water Disinfection Plant (BCWDP), which is capable of producing up to 5,900 gallons per minute (gpm) of drinking water for Incline Village and Crystal Bay. The source water for the BCWDP is Lake Tahoe, and the water meets the U.S. Environmental Protection Agency (EPA) filtration avoidance criteria, so the water treated at the BCWDP is currently unfiltered.

Construction of the original BCWDP ozone system was commissioned in 1995[2]. The BCWDP Improvements Project, undertaken in 2012, added ultraviolet disinfection to meet the federally mandated compliance requirements of the EPA's Long Term 2 Surface Water Treatment Rule. The plant currently uses a combination of ozone and UV light to disinfect drinking water which allows IVGID to maintain a filtration waiver while continuing to maintain compliance with the federal Surface Water Treatment Rule.

Upgrades have occurred over the life of the plant and only current conditions are discussed in this document.

4.1.2 Description

The following facilities comprise the BCWDP:

- Raw Water Intake and Low Lift Pump Station
- Ozone Disinfection System
- UV Disinfection System
- Treated Water Pump Station
- Chemical Storage and Feed Systems

Details of each of the above listed processes and facilities are provided in subsequent sections of this document[3]. On the following pages, Figure 20 illustrates the existing facility layout and relative positions of the buildings, and Figure 21 is a general process flow diagram.

[2] *Water Lines Newsletter, Nevada Department of Environmental Protection, Volume 47, Winter 2013/14*

[3] *Process Operations Manual, Burnt Cedar Water Disinfection Plant, CH2MHill, Sept. 2013*

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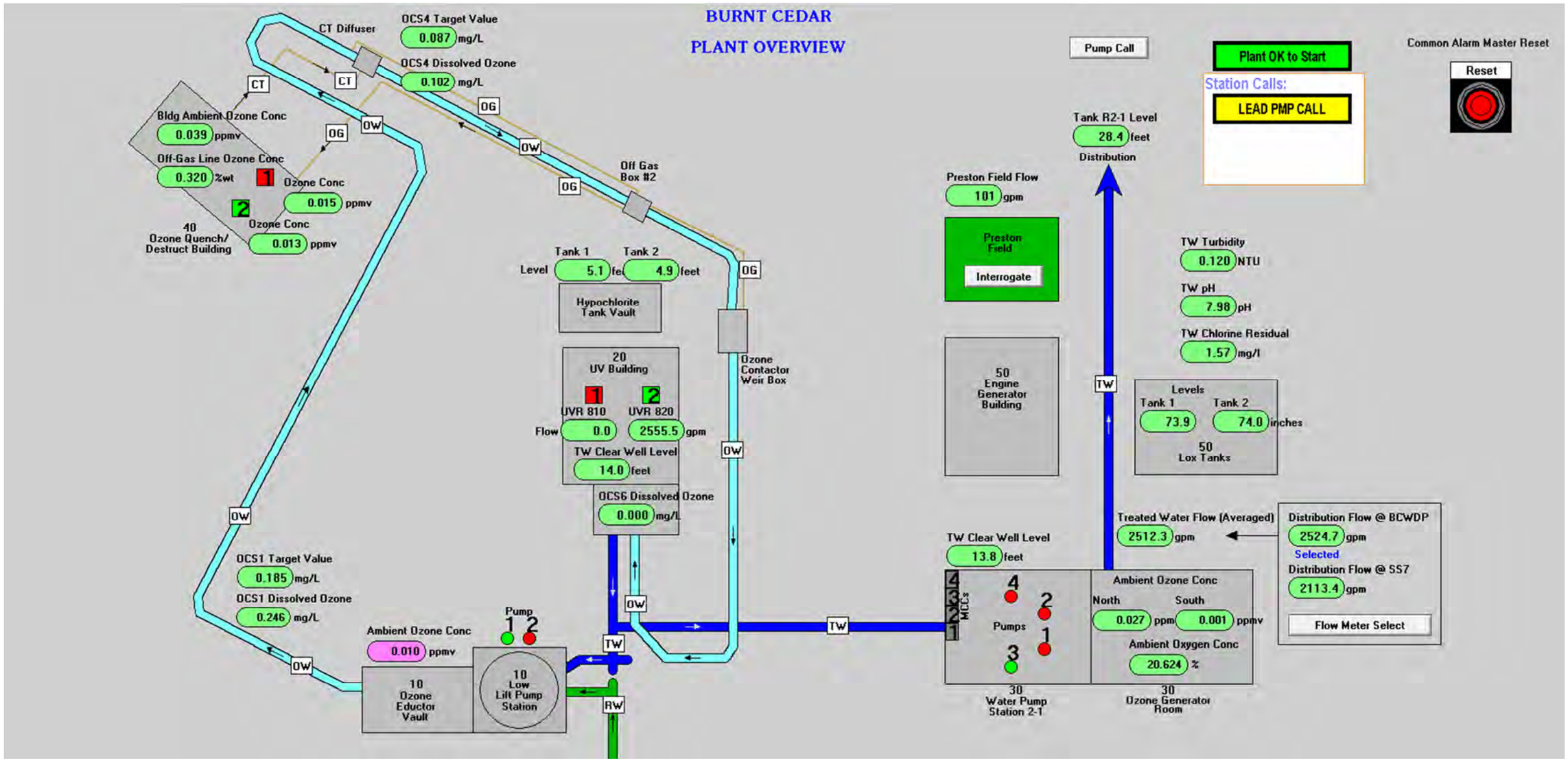

Figure 20: BCWDP Existing Facility Site Plan

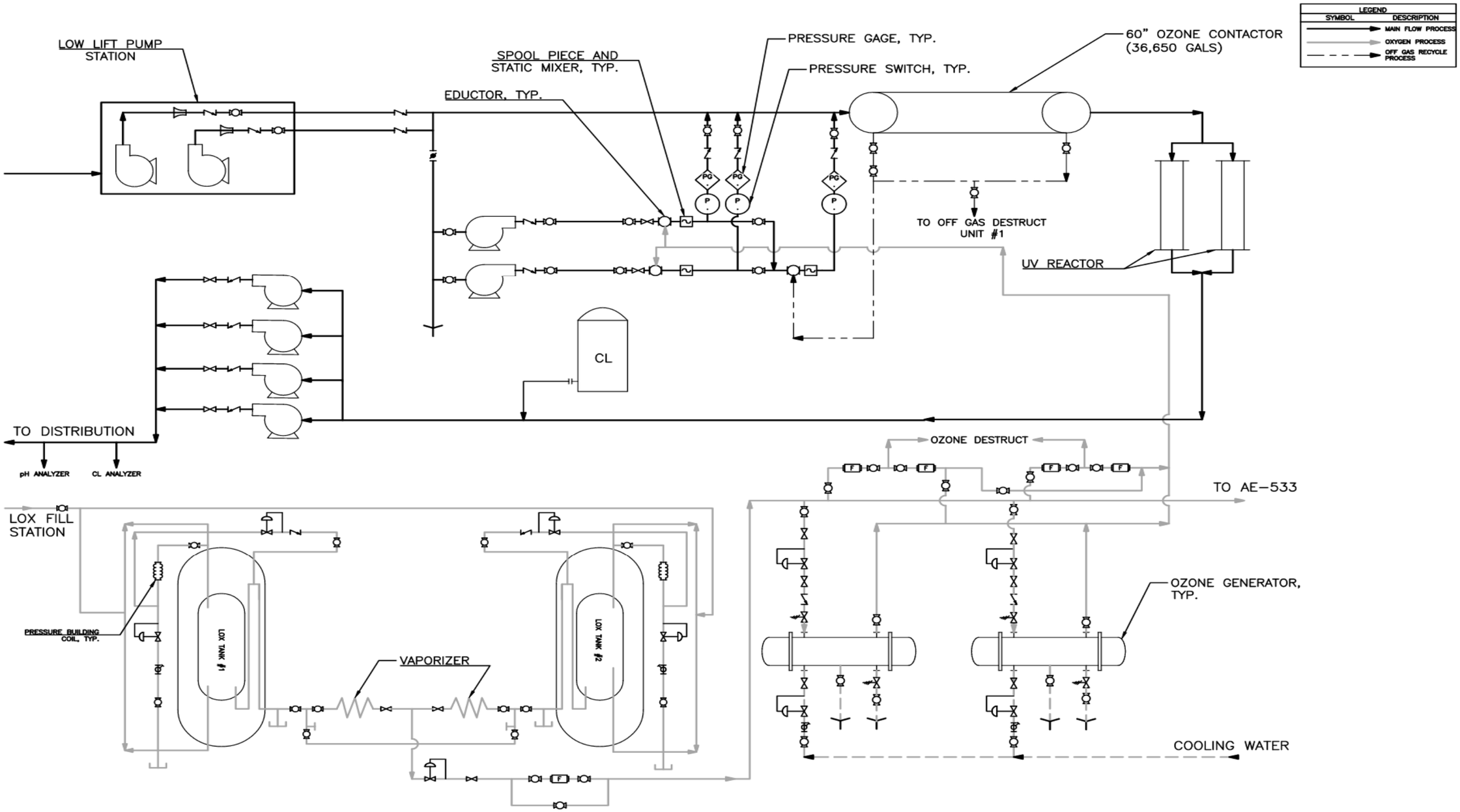

Figure 21: BCWDP Process Flow Diagram

4.1.3 Raw Water Intake and Low Lift Pump Station

The Raw Water Intake and Low Lift Pump Station convey raw water from Lake Tahoe through the BCWDP. Raw water is drawn from the lake through a horizontal screen in a manhole type structure which connects to a 24-inch intake pipeline that extends approximately 650 feet from the shoreline into the lake. There are no intake screen backwash capabilities installed. The Raw Water Intake pipeline is connected to the Low Lift Pump Station. The Low Lift Pump Station contains two 77 hp rail-guided, adjustable speed, submersible pumps, each with a maximum capacity of approximately 3,000 gpm. The pumps are located inside a 12-foot diameter concrete caisson that serves as a wet well to collect raw water from the Raw Water Intake. Raw water is pumped to the Ozone Eductor Vault through 14-inch pipes. These pipes connect in the Ozone Eductor Vault prior to the Ozone Injection System and Ozone Contactor. The raw water is pumped through the Ozone Disinfection System and UV Disinfection System. After passing through these treatment systems the water reaches the Treated Water Pump Station (WPS-2-1). The adjustable frequency drives that power the Raw Water Pumps are located in the Engine Generator Building.

The two Raw Water Pumps do not provide 100% installed redundancy at peak flows. A spare Raw Water Pump is stored at the wastewater treatment plant in the event of a pump failure or necessary maintenance. Each pump is driven by a 77 Hp motor equipped with a variable frequency drive (VFD) on clearwell level control. Each pump is rated for 3,000 gpm at 58 ft TDH.

The online raw water quality parameters measured are pH, turbidity, and temperature. The Low Lift Pump Station contains a sample pump that pumps raw water to the turbidimeter located in the Treated Water Pump Station (WPS-2-1). A temperature probe is located on the Raw Water piping inside the Ozone Eductor Vault.

4.1.4 Ozone Disinfection System

The Ozone Disinfection System is comprised of a liquid oxygen (LOX) system, ozone generator system, ozone injection system, ozone contactor, and off-gas destruction units. This section presents an overview of the Ozone Disinfection System, each of the primary components, and how the system is controlled to achieve current disinfection requirements.

The primary purpose of the Ozone Disinfection System, in conjunction with the UV Disinfection System, is to provide the required disinfection of unfiltered raw water from Lake Tahoe. IVGID's treated water must comply with applicable provisions of regulations that apply to public water systems, including the Surface Water Treatment Rule (SWTR), Interim Enhanced Surface Water Treatment Rule (IESWTR), and the Long Term 1 Enhanced Surface Water Treatment Rule (LT1ESWTR) as well as the filtration avoidance criteria. According to these regulations the system must be operated to achieve 3-log *Giardia* inactivation and 4-log virus inactivation. In addition, IVGID must comply with the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR) and operate the BCWDP to achieve 3-log *Cryptosporidium* inactivation. The UV Disinfection System is designed to meet required *Giardia* and *Cryptosporidium* inactivation and the Ozone Disinfection System is designed to meet the required virus inactivation.

In addition to achieving regulatory disinfection requirements, the Ozone Disinfection System oxidizes taste and odor causing compounds and enhances reduction of disinfection byproduct precursors. The ozonation process is an automated operation, managed by the Ozone

Disinfection System Supplier's (OSS) package control system that is networked to the Plant Control Panel (PCP-101).

The ozone residual analyzers are located in the Ozone Eductor Vault. The sample lines for these analyzers combine in the vault and drain the ozonated water into the caisson of the Low Lift Pump Station. In addition, the Open Loop Cooling Water Return (OCWR) line from the Cooling Water Systems associated with the Ozone Generators drains non-potable water into the caisson.

The ozone disinfection system consists of two generators, each rated for 76 lbs/d maximum and are variable from 5 to 76 lbs/d at 10wt% ozone. Each system has the capacity to treat up to 5,900 gpm of raw water based on 4-log virus inactivation requirements.

4.1.5 UV Disinfection System

The primary purpose of the UV Disinfection System is to meet required *Giardia* and *Cryptosporidium* inactivation in accordance with the *Ultraviolet Disinfection Guidance Manual for the Final Long Term 2 Enhanced Surface Water Treatment Rule* (UVGDM). The required UV dose for 3-log *Giardia* inactivation as defined in the 2006 UVDGM is 11 mJ/cm2, and for 3-log *Cryptosporidium* inactivation the dose required is 12 mJ/cm2. Since the dose required for *Cryptosporidium* is higher than *Giardia,* the UV Disinfection System is designed for *Cryptosporidium* inactivation. The requirement for *Giardia* inactivation is achieved when applying the UV dose required for the inactivation of *Cryptosporidium.*

The Validated Dose achieved by the UV Disinfection System must be greater than or equal to the required UV dose (D_{req}). The Validated Dose incorporates a Reduction Equivalent Dose (RED) and a Validation Factor (VF). The RED indicates the UV dose determined from the log inactivation measured for a challenge organism during full-scale UV reactor (UVR) validation testing, and entering this value into the UV dose-response curve that was derived through laboratory collimated beam testing. With a calculated UV dose monitoring strategy, the RED is calculated by an algorithm developed during validation testing. The VF is also obtained from validation testing of the UVR and accounts for scale-up and uncertainty.

The Validated Dose achieved by the UVR is calculated by dividing the RED by the VF:

$$Validated\ Dose\ = \frac{RED}{VF} \geq\ Dreq$$

The Validated Dose must be greater than or equal to the required UV dose (D_{req}) of 12 mJ/cm^2.

Action Spectra Correction Factor[4]

In 2011, some issues surrounding the performance of medium-pressure (MP) UV reactors at low wavelengths had arisen. A technical working group was established within the industry responsible for developing guidance on how best to approach MP low wavelength issues in system operation. The working group guidance is currently under development. Therefore, an interim approach to address these low wavelength issues for operation of the UV Disinfection

[4] *Process Operations Manual, Burnt Cedar Water Disinfection Plant, CH2MHill, Sept. 2013*

System at the BCWDP was developed from discussions with the Nevada Division of Environmental Protection (NDEP) and Washoe County Health District (Washoe County).

The interim approach includes the application of a conservative 30 percent Action Spectra Correction Factor (ASCF) to the 3-log *Giardia/Cryptosporidium* inactivation required. This is applied by increasing the log design setpoint by 0.5-log inactivation (log10 of 0.5 = 30 percent). Therefore, the current log inactivation required by the UV Disinfection System for both *Cryptosporidium* and *Giardia* is 3.5-log. In the future, it is possible that this ASCF can be decreased once guidance is received from the technical working group. The required UV dose for 3.5-log *Cryptosporidium* and *Giardia* inactivation as defined in the 2006 UVDGM is 15 mJ/cm^2. Therefore, based on this interim approach, the Validated Dose achieved by the UV Disinfection System must be greater than or equal to the required UV dose (D_{req}) of 15 mJ/cm^2.

4.1.6 Treated Water Pump Station

The Treated Water Pump Station (WPS-2-1) pumps treated water from the BCWDP to IVGID's drinking water distribution system. The pump station contains three 400 hp and one 200 hp constant speed, electric motor driven, vertical turbine pumps. The 400 hp pumps each have a nominal capacity of 2,400 gpm, and the 200 hp pump has a nominal capacity of 1,100 gpm. Each pump is equipped with an air release valve, discharge piping, check valve, and manual isolation valve. All four pumps are powered by reduced voltage solid-state (RVSS) motor controllers. Pump Nos. 1 and 3 include a pressure control valve that operates during pump startup and shutdown to reduce flow and pressure surges. Pump Nos. 2 and 4 are powered from RVSS controllers installed in 2012, that include a pump soft-start, soft-stop, control module; thereby eliminating the need to install pump startup/shutdown pressure control valves on these two pumps. The pumps are positioned above a circular Treated Water Clearwell that is 18 feet in diameter.

A free chlorine residual analyzer and pH probe are located on the wall of the Treated Water Pump room. An online turbidity analyzer is located in the Treated Water Pump Station (WPS-2-1), but the instrument sample line is Raw Water from the Low Lift Pump Station. The Treated Water is required to have a free chlorine residual of at least 0.2 mg/L before leaving the BCWDP. This is to ensure that there is measurable free chlorine residual at the far ends of the IVGID distribution system.

The discharge piping also includes a connection to supply water to the plant water distribution system. The plant water distribution system includes a backflow preventer, and the distribution piping, pressure control valves, pressure gauges, and isolation valves required to supply treated water to the Cooling Water System for the ozone generators, the Calcium Thiosulfate Chemical System located in the Ozone Quench/Destruct Building, the Sodium Hypochlorite Chemical System located in the Sodium Hypochlorite Room (UV Building), and the Standby Engine Generator cooling system. Immediately upstream from the backflow preventer are water connections that supply water to the plant fire water system and to the emergency eyewash sink. The plant fire water system is served off of its own connection and backflow preventer. The piping and automatic control valves associated with two hydraulic surge anticipator control valves are also housed in the Treated Water Pump Station (WPS-2-1).

The motor control center (MCC) in the Treated Water Pump Station distributes and controls the power to the four pump RVSS motor controllers, two fans, and two electric space heaters.

Numerous instruments used to measure the quality of the treated water and monitor distribution of the treated water are mounted along the wall in WPS-2-1.

4.1.7 Chemical Storage and Feed Systems

The water treatment process at the BCWDP includes the following chemical storage and feed systems:

- Liquid Oxygen
- Nitrogen Gas
- Calcium Thiosulfate
- Sodium Hypochlorite
- Sodium Silicate
- Cooling Water System Additive

Descriptions of these chemical systems, including operations and control considerations, are presented in the following sections[5].

4.1.7.1 Liquid Oxygen

Liquid oxygen (LOX) is used for ozone generation as part of the Ozone Disinfection System. Oxygen is a colorless and odorless gas at ambient pressure and temperature and is pale blue in liquid form. While oxygen itself is chemically stable, does not decompose, and is not flammable; its use requires strict attention to safety considerations. This is because oxygen is a strong oxidizer and vigorously promotes combustion. Oxygen is reactive in ambient conditions, and its reactivity increases with increasing pressure, temperature, and concentration. Most materials (including metals) are flammable in the presence of high-pressure oxygen. Combustibles must be kept away from the LOX system and potential ignition sources must be eliminated.

4.1.7.2 Nitrogen Gas

Nitrogen gas is used within the Ozone Disinfection System for enhancing ozone generation efficiency. At natural ambient concentrations nitrogen is stable, not flammable, and does not pose a health risk. At higher concentrations, nitrogen can limit oxygen concentrations in the local environment making it an asphyxiant; therefore, adequate ventilation should be provided at all times. Caution is advised when working with or near compressed gasses of any kind.

4.1.7.3 Calcium Thiosulfate

Calcium thiosulfate (CT or Captor®) solution is added to the ozonated water near the end of the Ozone Contactor to quench residual ozone before the UV Disinfection System process. Calcium thiosulfate disassociates when added to water converting residual ozone (O3) to oxygen (O2). Ozone must be removed from the process water to prevent off-gassing and material corrosion in process equipment downstream of the Ozone Contactor.

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[5] *Process Operations Manual, Burnt Cedar Water Disinfection Plant, Sept. 2013*

The Calcium Thiosulfate Chemical System is primarily comprised of one 350-gallon aboveground chemical storage tank, two diaphragm-type chemical metering pumps, a carrier water system, and associated piping, valves, instrumentation and controls. The storage and feed equipment is located in the Ozone Quench/Destruct Building. Bulk chemical is delivered to and stored in the tank. The tank is filled periodically using the ¾ inch diameter quick connect coupling located on the East side of the building. Secondary containment for the storage tank is provided within the Ozone Quench/Destruct Building beneath the fiberglass reinforced plastic grating.

4.1.7.4 Sodium Hypochlorite

Liquid sodium hypochlorite is used to provide a free chlorine residual within the water distribution system. A free chlorine residual helps to maintain the integrity of the distribution system by inactivating microorganisms in the distribution system and controlling biofilm growth. The Surface Water Treatment Rule (SWTR) requires a minimum free chlorine residual entering the distribution system of 0.2 mg/L and detectable residuals throughout the distribution system.

Sodium hypochlorite is delivered to the plant by tanker truck and stored in two 1,550-gallon storage tanks located in the Hypochlorite Tank Vault to the north of the UV Building. The bulk solution is transferred from tanker trucks to the storage tanks by gravity. The chemical is typically delivered as a 12.5 percent bulk solution in which the specific gravity can vary due to the quantity of excess caustic and salt in solution. The specific gravity of sodium hypochlorite will decrease slightly if the solution has been in storage for long periods of time due to off-gassing.

The sodium hypochlorite feed equipment is located in the Sodium Hypochlorite Room attached to the UV Building and includes two chemical metering pumps and associated valves and piping. Sodium hypochlorite application points are located in the UV Building Wetwell (primary application point at the BCWDP), and Ozone Contactor (emergency only). The UV Building Wetwell is the primary sodium hypochlorite application point for the BCWDP. The application point in the Ozone Contactor has been used temporarily during construction when ozone was offline.

4.1.7.5 Sodium Silicate

Sodium silicate is used to mitigate corrosion within the water distribution system. Chemical is stored in a below grade 5,000-gallon, concrete tank located to the south of the Ozone Quench/Destruct Building. The sodium silicate feed equipment is located in the UV Building and includes one chemical metering pump and associated valves and piping. Sodium silicate is applied to the UV effluent piping above the UV Building Wetwell.

4.1.7.6 Cooling Water System Additive

The Closed-Loop Cooling Water System for the ozone generators requires a chemical additive to protect metal components (e.g., plate heat exchangers, expansion tanks, etc.) from corrosive contaminants. Ozonia recommends the additive package S-69 as manufactured by Cortec® for the Cooling Water System at the BCWDP. Refer to the Ozonia O&M Manual for additional information regarding the use of S-69 with the Cooling Water System, including the appropriate additive concentrations and chemical properties.

4.2 Design Flows and Water Quality

4.2.1 Historic Flows

Average monthly water demands indicate the plant is adequately sized for the near future. Maximum water demand is approximately 162.38 million gallons per month as shown in Table 53. Using the maximum monthly water pumped over the period from January 2019 through September 2022 and averaging over 30 days gives a maximum average day flow of approximately 5.413 mgd. The current BCWDP is Xrated for 5,900 gpm, or approximately 8.5 mgd, suggesting the plant has additional capacity available for an average day demand.

4.2.2 Projected Flow and Design Basis

Based on the near zero growth potential for the District, the existing design basis of 5,900 gpm is utilized in this evaluation as the basis of system capacity needs. The current BCWDP has several major equipment items rated for 5,900 gpm (8.5 mgd) and some that are rated slightly higher than this flow rate. The UV and Ozone equipment were upgraded in the 2012 upgrades project. At that time, the design basis for these major equipment items was set at 6,000 gpm (8.64 mgd). There is no plan for expansion at this time.

Table 53: Average Monthly Water Demand (MG)

Month	2020	2021	2022	2023	Avg.
October	57.89	91.75	50.17	68.77	67.15
November	55.30	60.41	33.23	56.64	51.39
December	43.70	57.64	48.70	45.26	48.83
January	32.26	33.90	33.01	30.24	32.35
February	31.50	30.40	28.22	29.99	30.03
March	28.02	31.60	30.08	33.47	30.79
April	36.70	48.70	33.05	30.23	37.17
May	102.88	106.07	76.52	53.31	84.69
June	134.00	140.00	123.32	95.12	123.11
July	158.33	162.38	148.75	137.19	151.66
August	155.00	146.60	127.38	139.27	142.06
September	131.30	126.68	104.51	117.20	119.92
Total	**967**	**1,036**	**837**	**837**	**919**

4.2.3 Raw Water Quality Summary

Historically, the raw water quality is very high. Raw water pH and turbidity numbers are relatively consistent over the reviewed data set. The pH is an average of 8.48 which places the water in a slightly alkaline state. Average turbidity numbers are also quite low and well below the regulatory limits for an unfiltered water source.

Raw water coliform samples are well within regulatory limits in both total coliform and fecal coliform results. There are some detections in the summer months which are likely related to boating activities on the lake. This does not appear to be a concern at this time; however, it does suggest some caution be observed regarding boating activities, particularly the potential for fuel or oil spills that would go undetected.

Raw water turbidity at the source is very low relative to most surface water sources. Due to a problem with data recorded in the SCADA system, very limited current turbidity information was available for this report. Data from March of 2021 through December of 2021 showed turbidity values regularly below an average of 0.104 NTU. Historical data from 2007 through 2009[6] demonstrated raw water turbidity values as low as 0.06 NTU. Turbidity was typically below 0.2 NTU with occasional spikes to 0.4 NTU. Interruptions in data collection from December 2021 through 2023 resulted in insufficient data to determine if there is a trend occurring. It is recommended that the District resolve the recording issue as soon as possible. Trending raw water turbidity over time is a critical method of ensuring the filtration waiver remains in place as values in excess of 5 NTU trigger reporting requirements. This is not expected to be an issue at this facility.

Table 54: 2022 Coliform Testing Results (cfu/100ml)

Month	Total Coliforms		Fecal Coliforms	
	Monthly Average	Maximum Detected	Monthly Average	Maximum Detected
January	0	0	0	0
February	0	1	0	0
March	0	0	0	0
April	0	0	0	0
May	0	0	0	0
June	0	4	0	0
July	1	10	0	1
August	7	32	0	5
September	3	11	0	0
October	1	6	0	0
November	1	5	0	0
December	-	-	-	-
Regulatory Limits		100		20

Raw water total organic carbon (TOC) data was limited; however, it does indicate a very high-quality raw water. TOC is an indicator of various raw water constituents that contribute to Disinfection Byproducts (DBPs) when mixed with free chlorine. DBPs at this facility are very low

[6] *Final Basis of Design Report, CH2MHill, May 2010.*

and this is not expected to be an issue in the near future. Refer to the discussion in paragraph 4.4.1 for additional comments on this issue.

4.2.4 Treated Water Quality Summary

This facility consists of ozone and UV disinfection with chlorine added to maintain a residual in the distribution system. Because of the filtration waiver, no other treatment steps are required or provided. The treated water is very similar in nature to the raw water obtained from the intake structure. Several key metrics are tracked to ensure high quality water is delivered to customers of the District.

Disinfection byproducts are monitored per the requirements outlined in the EPA Disinfection Byproducts Rule and are collected at two locations in the District. The first sample location is 210 Nadine and the second is at 935 Dorcey. A map showing the general location of the distribution system components and the chlorine disinfection byproduct sample point locations is provided on the following page. The sample locations are located in pressure zones 8B and 7B, respectively. A review of the water distribution model relative to water age was not performed; therefore, it is recommended this occur at some point in the near future to verify the sampling locations are at the locations that would be expected to have the highest locational annual running average results as required by the DBPR. This location is typically the location with the maximum water age in the distribution system. A map of the sampling locations within the District can be seen in Figure 22.

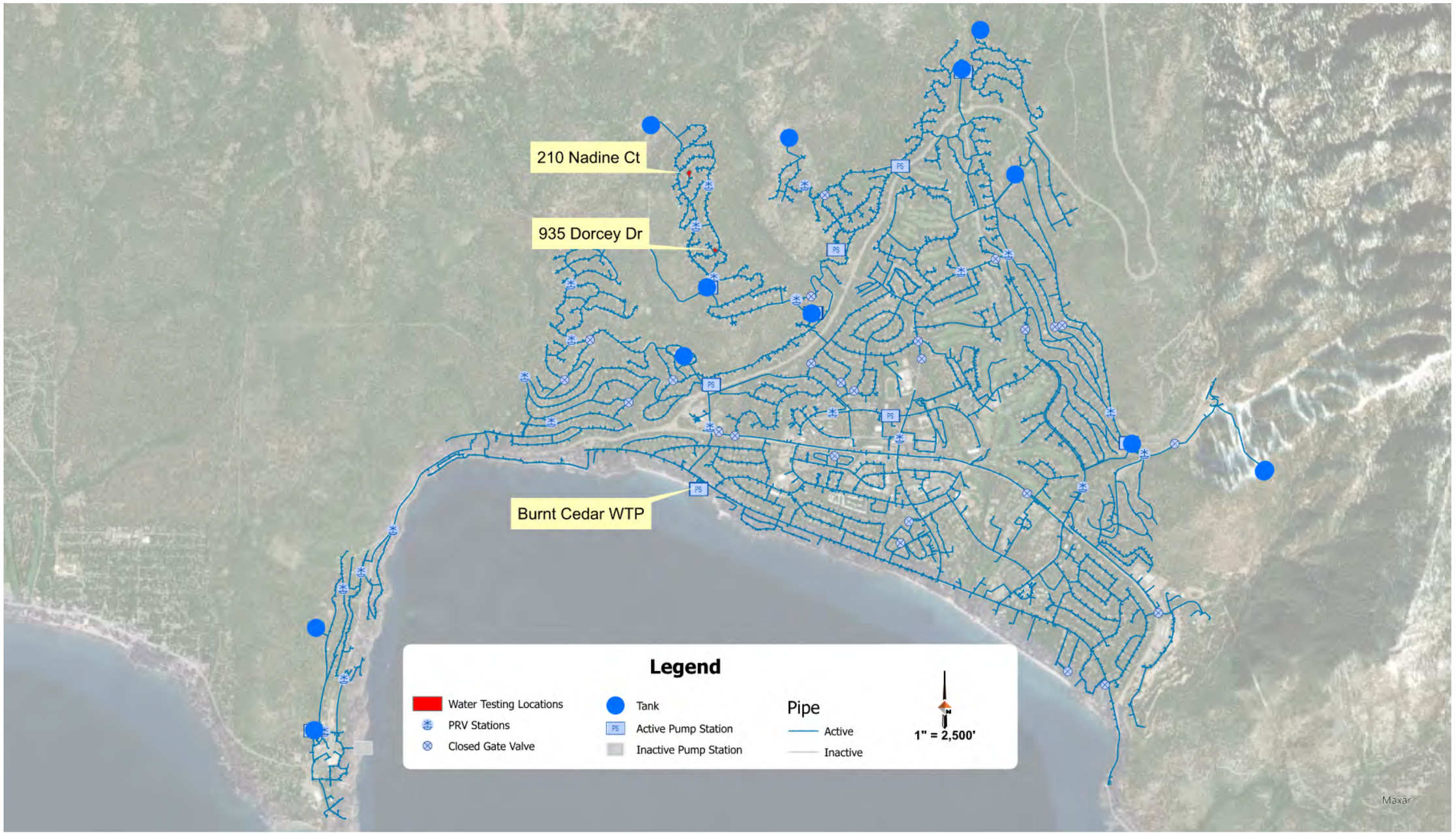

Figure 22: Water Sampling Locations

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Current sample location results are provided in the following figures. Based on these results, there is no anticipated DBP concern as the data indicates DBP results far below the MCLs currently published.

Even though there is no expected DBP concern in the near future, close attention should be paid to the current TTHM trend line shown in Figure 23. Refer to the discussion in paragraph 4.4.1 for additional comments on this issue.

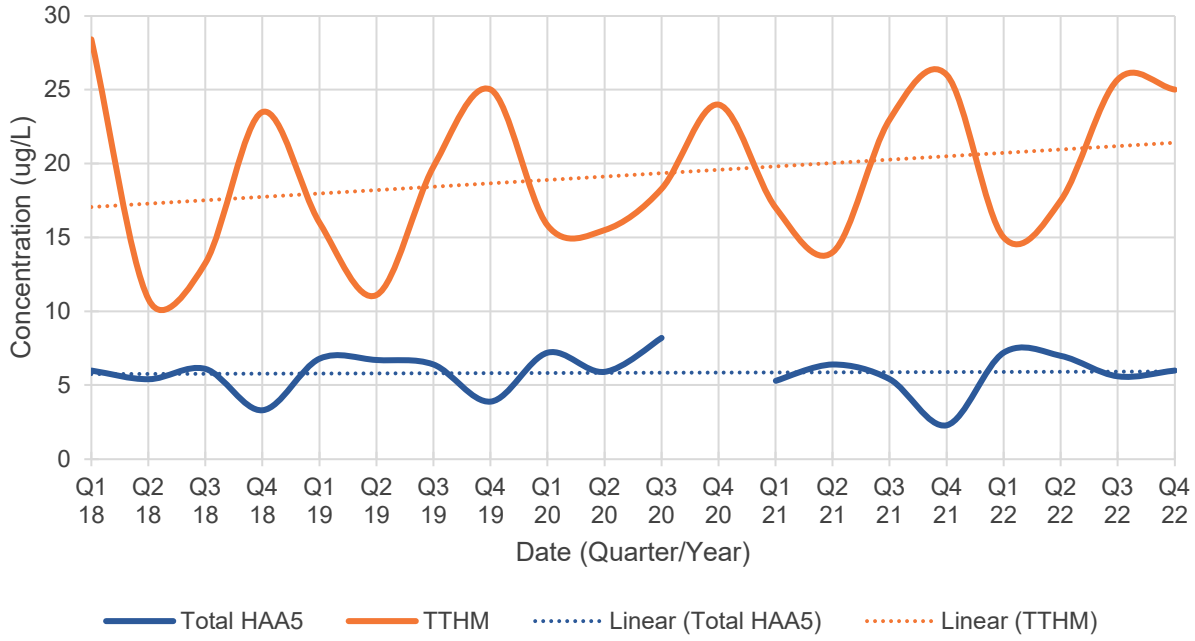

Figure 23: Disinfection Byproducts at 210 Nadine (2018-2022)

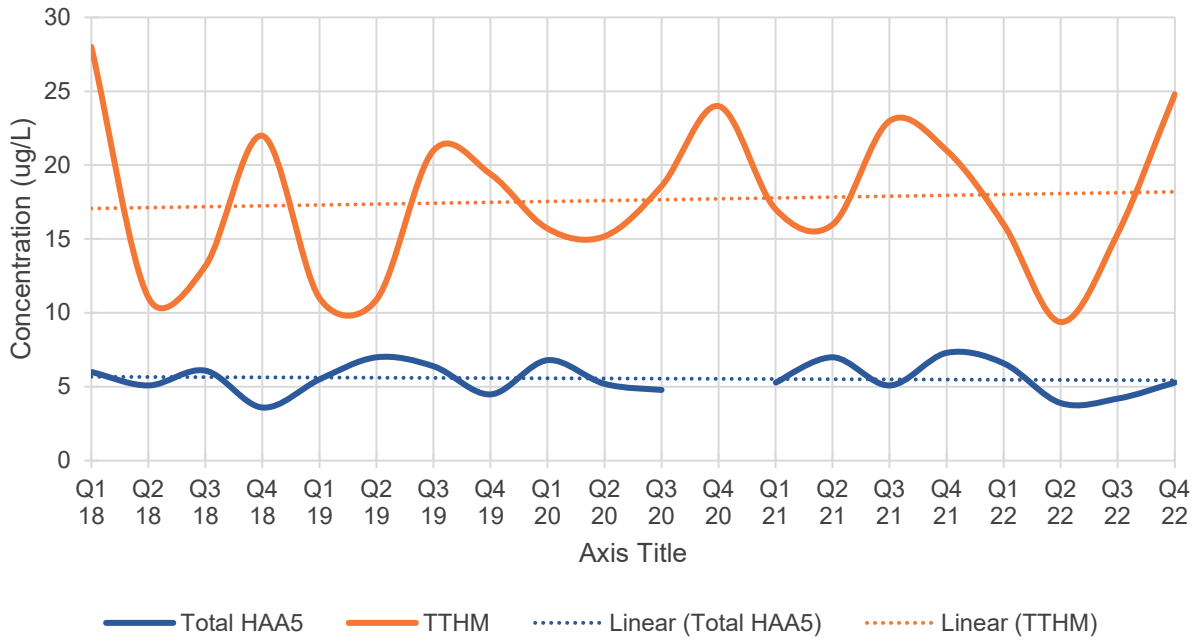

Figure 24: Disinfection Byproducts at 935 Dorcey (2018-2022)

4.3 Regulatory Outlook

The BCWDP is an unfiltered system that uses ozone and UV for primary disinfection and free chlorine for distribution system residual. IVGID's treated water complies with applicable provisions of regulations that apply to public water systems, including the Surface Water Treatment Rule (SWTR), Interim Enhanced Surface Water Treatment Rule (IESWTR), Long Term 1 Enhanced Surface Water Treatment Rule (LT1ESWTR), and the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR). The system is operated to achieve 3-log *Cryptosporidium* and *Giardia* inactivation, and 4-log virus inactivation.

The EPA promulgated the LT2ESWTR in January 2006. The purpose of the LT2ESWTR is to provide additional public health protection against microbial pathogens in public water systems. The rule builds upon the provisions of the previous SWTR, IESWTR, and LT1ESWTR. The LT2ESWTR applies to all public water systems that use surface water or groundwater under the direct influence of surface water. The rule establishes additional requirements for *Cryptosporidium* treatment, disinfection profiling and benchmarking, and uncovered finished water storage facilities. Based on the EPA's SWTR, the BCWDP meets the Filtration Avoidance Criteria, and as a result, is approved for operation as an unfiltered water treatment system.

There are currently no proposed regulations that would change the operations of this facility. In general, compliance has trended towards more strict controls and/or compliance requirements. It would be good for IVGID to monitor trends in the following areas:

- Proposed changes or revisions in compliance limits for the Disinfection Byproducts Rule. The current system is performing well, and no near-term concerns are present.
- Proposed new rules related to perfluoroalkyl and polyfluoroalkyl substances (PFAS) that could impact the required treatment process. The current system has no means of

addressing these types of contaminants; however, none are currently known to exist in the raw water.

- Contaminants of emerging concern (CECs), including pharmaceuticals and personal care products (PPCPs) and cyanotoxins are being monitored by the EPA and are published in the EPA's Contaminant Candidate List (CCL). Many of these contaminants are not regulated by the Safe Drinking Water Act. The CCL is updated regularly and published on the EPA's web site. The current version is CCL 5 published in 2022. A draft of CCL 6 is also available[7].

No indicators of concern were identified to suggest upcoming or proposed regulations would require changes to the current facility.

4.4 Disinfection Facility Assessment

4.4.1 Raw Water Source

The raw water source for this facility is an intake structure in Lake Tahoe located approximately 38 feet below the normal water surface. The raw water at this location is of very high quality. Current source water protection plans are in place to protect the overall quality of the lake water. Some high elevation forested areas are experiencing increases in pine beetle activity, tree death, and resulting higher raw water turbidities. This problem is likely to worsen with higher average annual temperatures due to climate change. Increased risk of wildfire as a result of tree death is a risk to surface water quality.

> "*In the Tahoe basin, there are three predominant trees, white and red fir, which are vulnerable to the Scolytus beetle and Jeffrey pine which is vulnerable to the Jeffrey pine beetle*[8]."

> "*Deforestation leads to higher organic loading…resulting in higher TOC levels in the raw surface waters for many facilities*[9]*."*

Decreasing tree cover and fire risk are both directly related to decreasing surface water quality. These are areas that the current disinfection plant is not well adapted to handle. Further study of the risk mitigation strategy for a rapid reduction in raw water quality is recommended.

In addition, any sort of fuel spill from marine craft or land-based spill of water-soluble chemicals could make their way to the intake structure. A raw water analyzer for the detection of organics would provide some protection for this scenario. An online analyzer is recommended with an interlock via SCADA to alarm and shut down the plant until the operator can review what has occurred is recommended.

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[7] U.S. Environmental Protection Agency, Drinking Water Contaminant Candidate List, https://www.epa.gov/ccl

[8] Kocher, S., Thinning Lake Tahoe's forests increases resilience to insects and wildfires, US Forest Service, June 2015, retrieved 25Jan23 from: https://www.fs.usda.gov/detail/ltbmu/news-events/?cid=STELPRD3840680

[9] Bradley, S. (2013). Coagulation & direct filtration with micro-filtration membrane for TOC removal, a retrofit project to reduce disinfection byproduct formation. AMTA/AWWA Membrane Technology Conference and Exposition 2013. 715-716.

4.4.2 Intake Structure

The purpose of the intake structure is to prevent intrusion of larger particles, fish, sticks, etc. into the raw water line and further into the low lift pump wet well. The intake screen size determines the maximum particle size that can enter the system.

The intake structure is below the water level in Lake Tahoe and was inspected by a diver on May 5, 2023. The inspection was completed by Blue Locker Diving Services and their report did not indicate any deficiencies. The inspection did not photograph the screen surface or inspect the screen for damage, so no information on the screen size or condition is available. The structure and pipeline showed some minor corrosion issues and possible boat anchor strikes; however, no significant damage was noted, and the system appears to be in functional condition. The operators have not reported any problems with the intake screen or structure. The intake screens are reported to be approximately four feet above the lake bottom, located 650 feet from shore at an approximate elevation of 6,200 feet. This equates to a depth of 38 feet at normal lake levels.

Information on the intake screen size, design capacity, age, condition, or backwashing capability was not available. An additional inspection of the screen itself is recommended.

A significant risk to intake structures in surface waters is accidental introduction of invasive mussels. There are several types of mussels prominent in the US currently; however, the primary invasive species are quagga and zebra mussels. These mussels are capable of rapid reproduction and can easily choke off an intake screen, drastically reducing its' capacity in a short period of time. An evaluation of the current intake screen is recommended to ensure its' capability for adequate backwashing and ability to take preventative or reactive response to a potential mussel infestation.

4.4.3 Raw Water Pipeline

The raw water pipeline is a 24-inch pipeline of unknown material or age. A 1999 operations manual[10] listed this pipeline as an 18" intake line. This would imply the current 24" pipeline is less than 25 years old. Depending on the material of construction, this pipeline could be nearing end of service life. Assuming a concrete pipeline, the typical ID would be approximately 24" with a high roughness factor. Typical raw water pipeline design flows would be <2 ft/s, which equates to roughly 2,800 gpm in this pipeline.

Since the design basis for the facility is currently set at 5,900 gpm, the raw water intake pipeline would be operating at approximately 4.2 ft/s during peak flows. Consideration should be given to an upgrade of this pipeline, especially if it is found that the intake screen also requires upgrades or replacement soon. At a minimum, a second parallel intake screen and pipeline should be evaluated.

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[10] *Operation and Maintenance Manual for Incline Village General Improvement District Burnt Cedar Disinfection Plant, HDR Engineering, Jan. 1999*

4.4.4 Low Lift Pump Wetwell

The wetwell is a 12-foot concrete caisson that provides surge volume for the raw water pumps, identified as the “Low Lift” pumps. The concrete appears to be in good condition and the wetwell is likely serviceable for the next 25 years.

4.4.5 Low Lift Pumps

The low lift pumps are submersible centrifugal pumps mounted on a rail system for ease of removal and replacement. A spare pump is kept in storage in the event a pump needs to be replaced for repair or maintenance. The two installed pumps are each rated for 3,000 gpm which equates to 102% of the 5,900 gpm design flow. There is no installed spare / stand-by pump; however, the IVGID maintains a “shelf spare” for these pumps if a replacement is required. The facility would be reduced to approximately 50% capacity during the time required to replace a malfunctioning pump.

There is a raw water sample line that is routed to the Treated Water Pump Room. This raw water sample line feeds a turbidity analyzer mounted on the wall in that room. Note that this is raw water turbidity, and no treated water turbidity analyzer is present in this room.

4.4.6 Ozone Generation System

The water disinfection facility is required by LT1ESWTR to provide 4-log virus inactivation. This requirement is met with the ozone generation and disinfection equipment. The current ozone generators were installed in 2010 and are rated for 76 lbs/d each, which was the 100% design capacity when these units were initially specified. There are two installed units, one unit can meet 100% design load and one unit is on standby for complete redundancy.

The ozone generators use liquid oxygen and electricity to generate ozone onsite. Liquid oxygen is delivered and stored in two 3,000-gallon vertical tanks. Liquid oxygen is vaporized and sent to the ozone generators after being mixed with nitrogen to increase ozone production efficiency. Nitrogen is supplied from a storage dewar located in the Ozone Generator Room.

Figure 25: Ozone Generators

Ozone gas from the generators is fed to a side stream of raw water via eductor and the side stream mixes with the balance of the raw water prior to entering the ozone contactor. The side stream and eductor system consist of two complete redundant systems with circulation pumps and eductors. A 24-inch Pipeline Flash Reactor is provided for mixing the side stream into the main flow of raw water. More detailed information is available in the Operations and Maintenance manual[11], Section 3.

[11] *Process Operations Manual – Appendix A, CH2MHill, September 2013*

Based on a design flow of 5,900 gpm and a worst-case dose rate of 0.4 mg/ℓ, the maximum anticipated ozone demand is approximately 28.3 lb/d at 100% dissolving efficiency. Taking into consideration a worst-case dissolving efficiency of 75% (system alarms and initiates shutdown at any value below 75% for more than 5 minutes) the ozone demand would be 37.8 lb/d. Based on these numbers, the ozone generator system is sized adequately and could cover increases in flow (such as peak hour flows) with no concerns.

The two generator packages appear to be in very good condition with no signs of corrosion or any visible damage. All controls and instruments were in good working order. All data appeared to be transmitted to the SCADA system. Appropriate system alarms were provided and were operational. Beyond normal maintenance and upgrades as required, this system should be able to produce ozone for the next 15 to 20 years based on an estimated service life of 30 years. It is recommended that the equipment be inspected every 10 years over the life of the equipment.

The condition of the LOX tank and supply lines was not able to be assessed during the onsite evaluation as piping and equipment were covered in ice at the time. However, as the LOX system was installed with the ozone generators, it should have a 20-year service life as a steel pressure vessel. As such, it is recommended that the LOX tank and supply lines be inspected in the near future by a cryogenic storage expert. Should they equipment be in good condition, it can be recertified and the service life extended or replaced if necessary.

4.4.7 Ozone Injection Vault & Contact Chamber

The ozone eductor vault contains the ozone injection point. Raw water mixed with ozone which then flows through a five-foot diameter by 250-foot-long contact chamber. This allows contact time between ozone and water to provide disinfection of the raw water. The 2010 – 2012 upgrades project modified the quench point for ozone which reduced the contact time to 4.7 minutes[12] at a design flow of 6,000 gpm. Based on the current 5,900 gpm design flow, this equipment is adequately sized.

The ozone contact chamber is a buried structure and was not inspected using submersible camera equipment. The condition of this chamber is not known; however, it is assumed to be part of the original treatment facility installed in the 1960's and is listed in the O&M manual as a 60-inch cement-mortar lined and coated welded steel pipe. The dosing rate is calculated by the system PLC and is normally around 0.1 mg/ℓ but could be as high as 0.3 mg/ℓ when water temperatures approach 40°F. Studies of concrete exposed to 0.4 mg/ℓ ozone[13] did not display evidence of deterioration; however, other studies indicate increased corrosion rates for concentrations above 0.5 mg/ℓ. Since cement mortar lined piping typically has a life expectancy in excess of 100 years, it is assumed this pipeline / contact chamber will be good for at least another 40 years.

Even though this pipeline / contact chamber is not expected to have any issues, a video inspection is recommended once every 10 years to monitor the mortar lining for signs of failure as well as all injection points and associated piping / nozzles / fittings.

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[12] Final Basis of Design Report, CH2MHill, May 2010 states a CT required of 4.58 minutes at 5,900 gpm. The 4.7-minute value stated is a CT actual value.

[13] Sleeper W. and Henry D., Ozone News, Vol 29, No. 6, Durability test Results of Construction and Process Materials exposed to Liquid and Gas Phase Ozone

4.4.8 Ozone Destruct System

The ozone destruct system is installed to ensure no excess ozone is vented to the atmosphere. The ozone destruction system, located in Ozone Quench/Destruct Building, was installed / upgraded in 2012. Calcium thiosulfate is injected to react with excess ozone at the end of the Ozone Contactor. The calcium thiosulfate storage and feed equipment include a storage tank, two chemical metering pumps (one duty, one standby), and a carrier water system. A single calcium thiosulfate injection point, identified as the CT Diffuser, is located within the 60-inch diameter Ozone Contactor immediately downstream of the OCS4 sample location, and upstream of Off-Gas Box No. 2. The ozone residual is monitored downstream at the OCS6 sample location to confirm that all residual ozone in the process water has been quenched (eliminated).

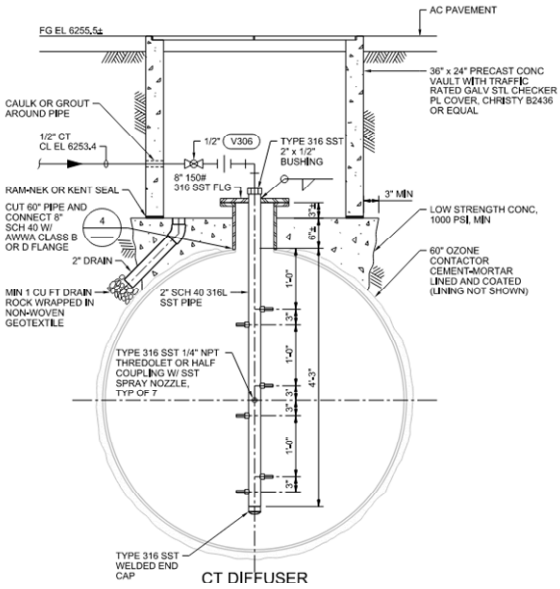

Figure 26: CT Diffuser Detail (source: July 2012 Record Drawings)

Ozone off-gas from the Ozone Contactor and Ozone Contactor Weir Box flows through a 3-inch ozone off-gas (OG) pipe from Off-Gas Box No. 2 to the ozone destruction system. The destruction system is comprised of two Ozone Destructor skids (one duty, one standby). Each skid provides a preheater, a catalytic ozone destructor, and an off-gas blower. Off-gas exiting either destruct system is vented to the atmosphere.

The 2010 – 2012 upgrades project modified the ozone destruct injection point[14] to ensure a minimum contact time of 4.1 minutes. Per the design basis developed for that project, this is adequate contact time and no changes to peak flow rates have occurred or are currently planned that would negatively impact this important control point. Thus, the system is adequately sized for future anticipated operations.

The current condition of the installed catalyst should be evaluated, and critical components for the destructor skids reviewed for required spare parts. The thiosulfate injection point CT Diffuser should be removed and inspected on a regular basis (at least once per year). Verify all spray nozzles are in good condition and no clogging is present. Test with potable water to ensure an even distribution is shown over all nozzles. If these items are addressed along with normal maintenance and replacement parts, this system should service the District for the next 20 years.

4.4.9 UV Disinfection System

[14] *Final Basis of Design Report, CH2MHill, May 2010.*

The UV light disinfection system is installed to provide the required Giardia and Cryptosporidium disinfection. The system was upgraded in the 2010 – 2012 upgrades project with a new reactor, vessels, and controls. Each UV unit houses two banks of high-intensity medium-pressure ultraviolet lamps totally enclosed in Type 214A quartz sleeves, for a total of four lamps and four sleeves per reactor. The units are sized to handle the required UV dose at 10 mgd, which is well above the current plant design capacity of 8.5 mgd, with one online and one in standby mode. The excess capacity provides some insurance against fouling of the lamp sleeves or failure of one or more bulbs. Each unit is also equipped with an intensity sensor to alert the operators of any potential issues.

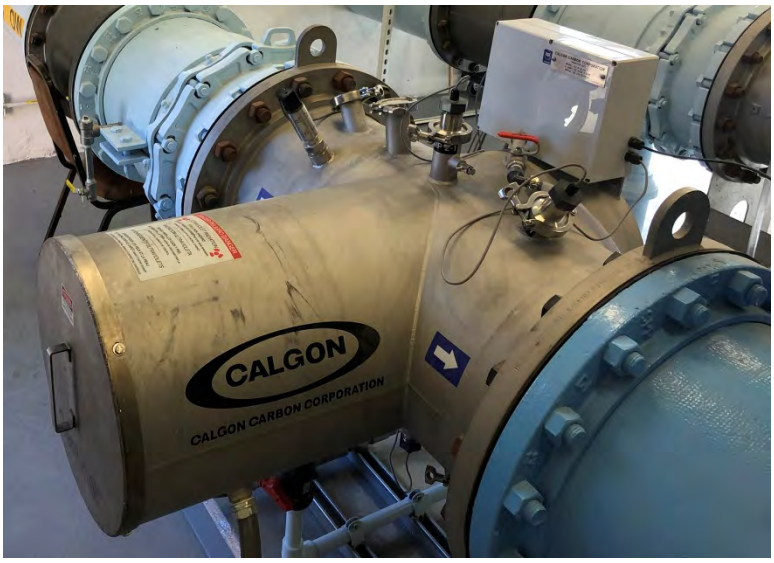

Figure 11: UV Reactor Vessel

These systems are very reliable and have no moving parts that can fail. Maintaining stock of spare bulbs and sleeves will provide a system with good overall lifespan. The housings were inspected and did not show any signs of surface damage or corrosion to the stainless vessels. This system should provide the District a reliable UV source for the review period of 20 years.

4.4.10 Chlorination System

12.5% bulk sodium hypochlorite solution is delivered to the plant in liquid form by tanker truck and stored in two 1,550-gallon storage tanks located in the Hypochlorite Tank Vault to the north of the UV Building. The concentration of sodium hypochlorite will decrease slightly if the solution has been in storage for long periods of time due to off-gassing. The sodium hypochlorite feed equipment is located in the Sodium Hypochlorite Room attached to the UV Building and includes two chemical metering pumps and associated valves and piping. Sodium hypochlorite applications points include the following:

- UV Building Wetwell (primary application point at the BCWDP)
- Ozone Contactor (only used during construction)

The primary sodium hypochlorite injection point is located at the UV effluent piping above the UV Building Wetwell. The injection point located in the Ozone Contactor was used temporarily during construction in 2012 when ozone was offline. This injection point could theoretically be used for emergency dosing in the event of a total loss of the ozone system.

This system appears to be in very good condition. A study to determine if long-term bulk liquid delivery remains economical over time versus the installation of an on-site sodium hypochlorite generation system is recommended.

4.4.11 Treated Water Pump Station

The Treated Water Pump Station (WPS-2-1) pumps treated water from the BCWDP to IVGID's drinking water distribution system. The pump station contains three 2,400 gpm and one 1,100 gpm constant speed, electric motor driven, vertical turbine pumps[15]. Each pump is equipped with an air release valve, discharge piping, check valve, and manual isolation valve. All four pumps are powered by reduced voltage solid-state (RVSS) motor controllers. Two of the larger pumps include a pressure control valve that operates during pump startup and shutdown to reduce flow and pressure surges. One of the larger pumps and the smaller pump are powered from RVSS controllers installed in 2012 that include a pump soft-start, soft-stop, control module; thereby eliminating the need to install pump startup/shutdown pressure control valves on these two pumps. The pumps are positioned above a circular Treated Water Clearwell that is 18 feet in diameter.

Figure 27: Chlorine Metering Pumps

By operating various combinations of these pumps, the total plant capacity of 5,900 gpm can be pumped to storage relatively easily and smaller steady flows can be maintained without excessive pump cycling.

As previously mentioned, there is a raw water sample line that is routed to the Treated Water Pump Room. This raw water sample line feeds a turbidity analyzer mounted on the wall in that room. Note that this is raw water turbidity, and no treated water turbidity analyzer is present in this room.

A pH probe and chlorine analyzer are also located in the Treated Water Pump Room to verify chlorine residual in the treated water and provide treated water pH for reporting purposes. The pH value is also used by the SCADA system to perform ozone dosing calculations.

Discharge valves, piping, surge valves, and instruments located in this room are in good condition. Some maintenance items will be required for the instrumentation and pH probes periodically require replacement; however, with normal maintenance and spare part replacement, this system should last the life of the facility.

[15] *Process Operations Manual, Burnt Cedar Water Disinfection Plant, CH2Mhill, Sept. 2013*

5.0 CAPITAL IMPROVEMENT PROGRAM

This section presents improvement projects, studies, investigations, and maintenance activities IVGID should consider over the next 20 years. Projects will be sorted by the recommended fiscal year of implementation and will be assigned a project type as follows:

- **Repair/Replacement** – Projects that replace failing infrastructure or assets which are beyond their useful life
- **Capacity Added** – Projects that install infrastructure or assets that resolve a system capacity pinch point
- **Maintenance** – Projects that extend the useful life of an asset
- **Condition Assessment** – Projects that update asset condition or overall risk ratings
- **Inspection** – Projects that investigate or test existing assets to document their condition or status
- **Study/Planning** – Projects that document system needs, evaluate alternatives, provide a basis of design, and update project cost estimates prior to commencing engineering design activities

5.1 Basis of Estimate

All costs shown in in this section are class 5 estimates as defined by the Association for the Advancement of Cost Estimating International (AACE International) which are conceptual (0 to 2% level of maturity) and have an expected accuracy range of -50% to +100% of the cost listed. Additionally, all costs were estimated in 2023 dollars and then projected forward to the appropriate year by an annual inflationary rate of 3.8%. In the following project description sections and the CIP, the project costs are shown in the projected dollar amount of the recommended year. A more through basis of estimate memo, and individual cost estimate breakdowns can be found in Appendix D.

5.2 Water System SCADA Master Plan and Upgrades

Originally a part of the Water and Sewer Master Plan(s), the Supervisory Control and Data Acquisition (SCADA) system has been identified as an asset in need of evaluation. This project will provide IVGID with a comprehensive SCADA master plan including assessment findings, engineered recommendations, and budgetary estimates. The SCADA Master Plan will include an in-depth assessment of all facilities and automation assets including a summarization of the district's current and future operational objectives.

A budget of **$91,600** is recommended to be allocated in **FY 25** for the Water System SCADA Master Plan. A budgetary amount of **$100,000** has been added to the CIP for **FY 26**, **FY 27**, and **FY 28** for possible system upgrades. This annual amount should be considered preliminary, and the CIP be updated upon completion of the SCADA Master Plan.

5.3 Customer Meter Rehabilitation

The District currently has discrepancies in the water production values metered at WPS 2-1 and the water consumption values recorded by the individual customer meters. Currently, many of

the customer meters within the District are reaching the end of their manufacturer recommended service life. However, inspection of the meters show that the overall quality of the District water has limited degradation to the customer meters. It has been recommended that the batteries and transponders for each customer meter be replaced. This meter rehabilitation will be the first step in determining the cause of the discrepancy between the water production values and the water consumption values.

A budget of **$250,000** is recommended to be allocated **Annually** beginning in **FY 25** through **FY 28** for replacing the batteries and transponders of the District customer meters.

5.4 Bi-Annual Leak Testing

This project proposes to complete 6 days of acoustic leak testing on the steel mains remaining in the water system twice a year. Results of these inspections will be reviewed by IVGID engineering staff and make changes as necessary to the steel main replacement phasing.

A budget of **$11,000** is recommended to be allocated **Annually** for leak testing investigations over the next 8 years, or until all steel main has been replaced.

5.5 5-Year Storage Tank Inspection Program

IVGID has a program in place where all water storage tanks are inspected every five years to determine any deficiencies within the system tanks or interior/exterior coatings. This CIP project is a continuation of that program and is slated to occur in **FY 25**, **FY 30**, **FY 35**, and **FY 40**. Any recoating or repairs will be performed under the Annual Tank Maintenance and Coating Program project.

A budget of **$26,000** is recommended to be allocated **Annually** for storage tank investigations.

5.6 Annual Tank Maintenance and Recoating Program

This project includes any storage tank recoating and repairs which are identified as part of the 5-year Storage Tank Inspection Program. This project will include recoating the interior and exterior of up to three tanks a year based on the schedule outlined in Section 3.4.3. Additionally, the first year of the program should include testing the exterior coatings of each tank to determine the prevalence of lead in the existing coating. Tank recoating is recommended every ten years.

A budget of **$50,000** is recommended to be allocated **Annually** for the Annual Tank Maintenance and Recoating Program to cover possible miscellaneous repairs. Budgetary numbers for interior and exterior recoating for **FY 25** to **FY 30**, and **FY 35** to **FY 40** are presented in Table 55.

Table 55: Tank Recoating Phase Costs

Fiscal Year	Cost
2025	$1,902,800
2026	$1,966,200
2027	$2,040,900
2028	$3,128,200
2029	$2,198,900
2030	$2,282,500
2035	$2,750,400
2036	$2,854,900
2037	$2,963,400
2038	$4,542,200
2039	$3,192,900
2040	$3,314,200

5.7 Booster Pump Station Condition Assessment and Basis of Design Report (BDR)

IVGID employs 13 booster pump stations to move water from lake level through all 21 pressure zones. These pump stations were designed and constructed for system demands which are much greater than those occurring currently. Additionally, most booster pump stations have backup power supplies which only power one of a dual or triplex pump configuration. This study would provide an engineering analysis of each pump station and make recommendations for reduced capacity pumps, emergency power upgrades, and any other operational efficiencies which are discovered as part of the analysis. One specific aspect this BDR should address is the replacement of the existing ultrasonic flow meter located at WPS 2-1. Replacing this meter should be prioritized and will aid the District in reconciling water production vs. water consumption data. The findings of this BDR will provide a detailed priority of pump station rehabilitation projects, as well as cost estimates of each rehab.

A budget of **$134,700** is recommended to be allocated in **FY 25** for the Booster Pump Station BDR.

5.8 Booster Pump Station Improvement Program

This project will install improvements as recommended in the Booster Pump Station BDR completed in FY 25. This project will include engineering design (civil and electrical), construction management, and construction activities.

A budget of **$250,000** per year is recommended to be allocated annually in **FY 26** through **FY 35** for the Booster Pump Station Improvement Program. This annual amount should be considered preliminary, and the CIP be updated upon completion of the Booster Pump Station BDR and corresponding cost estimates.

5.9 Steel Main Replacement Program

This project proposes to replace all remaining steel water main over an 8-year period. This pipe has been identified as the most problematic and most likely to fail in the water distribution system and O&M costs are expected to be reduced as a result of replacing this pipe. Annual replacement phasing and scope can be seen Figure 19, however it is recommended that the complete engineering design be completed with the first phase so that additional portions of work can be awarded if favorable bid prices are received.

A total budget of **$32,010,900** is recommended to be allocated to this project. It is also recommended that the program begin in **FY 25** and continue through **FY 32**. Table 56 shows the breakdown of cost per phase.

Table 56: Steel Main Replacement Phase Costs

Phase	Fiscal Year	Pipe Length of Phase (ft)	Cost
1	2025	3,525	$4,012,000
2	2026	3,126	$3,695,900
3	2027	3,645	$4,485,600
4	2028	2,721	$3,480,600
5	2029	3,590	$4,733,800
6	2030	2,438	$3,409,800
7	2031	1,886	$2,701,600
8	2032	3,717	$5,491,600
Total	**–**	**24,648**	**$32,010,900**

5.10 LOX System Inspection

As the LOX equipment and piping was unable to be inspected as a part of this plan, it is recommended that the system be inspected near the end of its 20-year service life. This inspection will require taking the system offline, and using a temporary supply of liquid oxygen while the system is bypassed. The tank and piping can then be inspected and a determination on rehabilitation or replacement can be made.

A budget amount of **$49,000** is recommended to be allocated in **FY 32** for the LOX System Inspection.

5.11 AC Main Replacement Program

Upon completion of the Steel Main Replacement Program, it is recommended that the District begin an AC Main Replacement Program. This program will initially target the portions of the system that encompass the high-risk service saddles identified in Sections 2.0 and 3.0. As recommended, this Plan should be updated at the end of the 10-year CIP in FY 34. The update to this plan should prioritize AC main replacement and create a phasing plan and updated cost estimates.

A budget amount of **$3,000,000** is recommended to be allocated **Annually** starting in **FY 35** for the AC Main Replacement Program. This number is considered preliminary and should be updated during the Water System Master Plan update.

5.12 System CIP

The projects described above have been organized into a 10-year CIP and a Year 11-20 CIP. The projects and their projected future costs are shown in the appropriate fiscal year for Year 1-5 in Table 57, Year 6-10 in Table 58, and Year 11-20 in Table 59.

Table 57: Year 1-5 Capital Improvement Program

Project	Type	FY25	FY26	FY27	FY28	FY29
Water System SCADA Master Plan	Study/Planning	$91,600				
Customer Meter Rehabilitation	Repair/Replacement	$269,400				
Bi-Annual Leak Testing	Inspection	$11,900				
5-Year Storage Tank Inspection Program	Inspection	$28,100				
Annual Tank Maintenance and Recoating Program	Maintenance	$1,902,800				
Booster Pump Station BDR	Study/Planning	$134,700				
Steel Main Replacement Program Phase 1	Repair/Replacement	$4,012,000				
Water System SCADA Upgrades	Repair/Replacement		$111,900			
Customer Meter Rehabilitation	Repair/Replacement		$279,600			
Bi-Annual Leak Testing	Inspection		$12,400			
Annual Tank Maintenance and Recoating Program	Maintenance		$1,966,200			
Booster Pump Station Improvement Program	Repair/Replacement		$279,600			
Steel Main Replacement Program Phase 2	Repair/Replacement		$3,695,900			
Water System SCADA Upgrades	Repair/Replacement			$116,100		
Customer Meter Rehabilitation	Repair/Replacement			$290,300		
Bi-Annual Leak Testing	Inspection			$12,800		
Annual Tank Maintenance and Recoating Program	Maintenance			$2,040,900		
Booster Pump Station Improvement Program	Repair/Replacement			$290,300		
Steel Main Replacement Program Phase 3	Repair/Replacement			$4,485,600		
Water System SCADA Upgrades	Repair/Replacement				$120,500	
Customer Meter Rehabilitation	Repair/Replacement				$301,300	
Bi-Annual Leak Testing	Inspection				$13,300	
Annual Tank Maintenance and Recoating Program	Maintenance				$3,128,200	
Booster Pump Station Improvement Program	Repair/Replacement				$301,300	
Steel Main Replacement Program Phase 4	Repair/Replacement				$3,480,600	
Bi-Annual Leak Testing	Inspection					$13,800
Annual Tank Maintenance and Recoating Program	Maintenance					$2,198,900
Booster Pump Station Improvement Program	Repair/Replacement					$312,700
Steel Main Replacement Program Phase 5	Repair/Replacement					$4,733,800
Yearly Total		**$6,450,500**	**$6,345,600**	**$7,236,000**	**$7,345,200**	**$7,259,200**

Table 58: Year 6-10 Capital Improvement Program

Project	Type	FY30	FY31	FY32	FY33	FY34
Bi-Annual Leak Testing	Inspection	$14,300				
5-Year Storage Tank Inspection Program	Inspection	$33,800				
Annual Tank Maintenance and Recoating Program	Maintenance	$2,282,500				
Booster Pump Station Improvement Program	Repair/Replacement	$324,600				
Steel Main Replacement Program Phase 6	Repair/Replacement	$3,409,800				
Bi-Annual Leak Testing	Inspection		$14,900			
Annual Tank Maintenance Program	Maintenance		$67,400			
Booster Pump Station Improvement Program	Repair/Replacement		$337,000			
Steel Main Replacement Program Phase 7	Repair/Replacement		$2,701,600			
Bi-Annual Leak Testing	Inspection			$15,400		
Annual Tank Maintenance Program	Maintenance			$70,000		
Booster Pump Station Improvement Program	Repair/Replacement			$349,800		
Steel Main Replacement Program Phase 7	Repair/Replacement			$5,491,600		
LOX System Inspection	Inspection			$49,000		
Annual Tank Maintenance Program	Maintenance				$72,700	
Booster Pump Station Improvement Program	Repair/Replacement				$363,100	
Annual Tank Maintenance Program	Maintenance					$75,400
Booster Pump Station Improvement Program	Repair/Replacement					$376,900
Water Master Plan Update	Study/Planning					$339,200
Yearly Total		**$6,065,000**	**$3,120,900**	**$5,975,800**	**$435,800**	**$791,500**

Table 59: Year 11-20 Capital Improvement Program

Project	Type	FY35	FY36	FY37	FY38	FY39	FY40	FY41	FY42	FY43	FY44
5-Year Storage Tank Inspection Program	Inspection	$40,700									
Annual Tank Maintenance and Recoating Program	Maintenance	$2,750,400									
Booster Pump Station Improvement Program	Repair/Replacement	$391,200									
AC Main Replacement Program	Repair/Replacement	$4,693,500									
Annual Tank Maintenance and Recoating Program	Maintenance		$2,854,900								
AC Main Replacement Program	Repair/Replacement		$4,871,800								
Annual Tank Maintenance and Recoating Program	Maintenance			$2,963,400							
AC Main Replacement Program	Repair/Replacement			$5,056,900							
Annual Tank Maintenance and Recoating Program	Maintenance				$4,542,200						
AC Main Replacement Program	Repair/Replacement				$5,249,100						
Annual Tank Maintenance and Recoating Program	Maintenance					$3,192,900					
AC Main Replacement Program	Repair/Replacement					$5,448,600					
5-Year Storage Tank Inspection Program	Inspection						$49,100				
Annual Tank Maintenance and Recoating Program	Maintenance						$3,314,200				
AC Main Replacement Program	Repair/Replacement						$5,655,600				
Annual Tank Maintenance Program	Maintenance							$97,900			
AC Main Replacement Program	Repair/Replacement							$5,870,500			
Annual Tank Maintenance Program	Maintenance								$101,600		
AC Main Replacement Program	Repair/Replacement								$6,093,600		
Annual Tank Maintenance Program	Maintenance									$105,500	
AC Main Replacement Program	Repair/Replacement									$6,325,200	
Annual Tank Maintenance Program	Maintenance										$109,500
AC Main Replacement Program	Repair/Replacement										$6,565,500
Yearly Total		**$7,875,800**	**$7,726,700**	**$8,020,300**	**$9,791,300**	**$8,641,500**	**$9,018,900**	**$5,968,400**	**$6,195,200**	**$6,430,700**	**$6,675,000**

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APPENDIX A:
RISK SCORE TABLES

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Age Categories	Age Rank
0	6
0-10	2
10-20	4
20-30	8
>30	10

					Risk Contributor Scores		
				weights	0.5	0.5	
OBJECTID	UNITID	SIZE_61416	INST_DATE_	Age	Age Score	O&M	Total Score
1	PRV-2-1	8		0	6	10	8
2	PRV-1-1	6	1994	29	8	10	9
3	PRV-3-1	6	1991	32	10	10	10
4	PRV-4-1	6		0	6	10	8
5	PRV-1-3	10	1991	32	10	10	10
6	PRV-1-10	6	1995	28	8	10	9
7	PRV-2-5A	6	1994	29	8	10	9
8	PRV-1-9	4		0	6	10	8
9	PRV-1-8	6	1995	28	8	10	9
10	PRV-6-1	6	1998	25	8	10	9
11	PRV-7-1	6	1998	25	8	10	9
12	PRV-7-2	6	1998	25	8	10	9
13	PRV-5-1	6		0	6	10	8
14	PRV-3-2	6	1993	30	8	10	9
15	PRV-IPF 1	3	1998	25	8	10	9
16	PRV-1-5	8	1990	33	10	10	10
17	PRV-Private	6		0	6	10	8
18	PRV-1-7	8	1998	25	8	10	9
19	PRV-3-3	6	1995	28	8	10	9
20	PRV-3-4	6	1996	27	8	10	9
21	PRV-GOLF	6	1997	26	8	10	9
22	TENNIS	3		0	6	10	8
23	Altitude Valve	10	1995	28	8	10	9
24	PRV-2-5			0	6	10	8
25	PRV-3-5			0	6	10	8
26	PRV-3-6			0	6	10	8
27	PRV-4-5			0	6	10	8
28	PRV-4-6			0	6	10	8
29	PRV-5-3			0	6	10	8
30	VILLAGE GRN-PRV	4	1996	27	8	10	9
31	INCLINE HS	6	2001	22	8	10	9
32	BURNT CEDAR	6		0	6	10	8
33	MT GOLF	4		0	6	10	8
34	SKI SCHOOL	6	2010	13	4	10	7
35	BITTERBRUSH II	8		0	6	10	8
36	CHAMP-04	4	2005	18	4	10	7
37	CHAMP-03	3	2005	18	4	10	7
38	CHAMP-02	4	2005	18	4	10	7
39	CHAMP-01	6	2005	18	4	10	7
40	SKI-TOP-1			0	6	10	8
41	SKI-TOP-2			0	6	10	8
42	SKI-TOP-3			0	6	10	8
43	SKI SERVICES	4	2010	13	4	10	7
44	SKI LODGE-2	2	2009	14	4	10	7
45	REC CENTER	3	1992	31	10	10	10
46	PRV-5-2	3		0	6	10	8
47	SKI-TOP-4			0	6	10	8
48	PRV-5-2A	6		0	6	10	8

Age Categories	Age Rank	Corrosion	Corrosion rank
0	7	Corrosion	10
0-10	1	Blank	1
10-20	10		

								Risk Contributor Scores		
								0.3	0.7	
OBJECTID	Enabled	FittingTyp	Size	material	Instl_Date	AGE	Corrosion	AGE	O&M	Total Score
1	1	Saddle	1			0	0	7	10	9.1
3	1	Saddle				0	0	7	1	2.8
4	1	Saddle				0	0	7	1	2.8
6	1	Saddle	1			0	0	7	1	2.8
8	1	Saddle	1			0	0	7	1	2.8
9	1	Saddle	1			0	0	7	1	2.8
12	1	Saddle	1			0	0	7	1	2.8
13	1	Saddle	1			0	0	7	1	2.8
14	1	Saddle	1		1988	35	0	10	1	3.7
17	1	Saddle	1			0	0	7	1	2.8
19	1	Saddle	1			0	0	7	1	2.8
21	1	Saddle	1.5			0	0	7	1	2.8
28	1	Saddle	1		2005	18	0	10	1	3.7
29	1	Saddle	2		2005	18	0	10	1	3.7
30	1	Saddle				0	0	7	1	2.8
35	1	Saddle	2			0	0	7	1	2.8
37	1	Saddle	2		2005	18	0	10	1	3.7
41	1	Saddle	1			0	0	7	1	2.8
42	1	Saddle	2			0	0	7	1	2.8
43	1	Saddle	1			0	0	7	1	2.8
44	1	Saddle	2			0	0	7	1	2.8
45	1	Saddle	2			0	0	7	1	2.8
46	1	Saddle	1			0	0	7	1	2.8
47	1	Saddle	2	COPPER	2005	18	0	10	1	3.7
48	1	Saddle				0	0	7	1	2.8
51	1	Saddle	1			0	0	7	1	2.8
52	1	Saddle			0	2023	0	10	1	3.7
53	1	Saddle	1		2004	19	0	10	1	3.7
55	1	Saddle	2			0	0	7	1	2.8
57	1	Saddle	1			0	0	7	1	2.8
59	1	Saddle	1		2005	18	0	10	1	3.7
61	1	Saddle	1		2005	18	0	10	1	3.7
63	1	Saddle				0	0	7	1	2.8
66	1	Saddle				0	0	7	1	2.8
68	1	Saddle	2		2022	1	0	1	1	1
75	1	Saddle				0	0	7	1	2.8
77	1	Saddle				0	0	7	1	2.8
79	1	Saddle	1.5			0	0	7	1	2.8
85	1	Saddle	1		2005	18	0	10	1	3.7
88	1	Saddle	1		2005	18	0	10	1	3.7
89	1	Saddle	1		2005	18	0	10	1	3.7
114	1	Saddle	1		1994	29	0	10	1	3.7
115	1	Saddle	1		1994	29	0	10	1	3.7
120	1	Saddle				0	0	7	1	2.8
122	1	Saddle	1		1979	44	0	10	1	3.7
125	1	Saddle				0	0	7	1	2.8
127	1	Saddle	1		1995	28	0	10	1	3.7
128	1	Saddle	1		1995	28	0	10	1	3.7
129	1	Saddle	1		1994	29	0	10	1	3.7
133	1	Saddle	1		1979	44	0	10	1	3.7
134	1	Saddle	1		1995	28	0	10	1	3.7
136	1	Saddle	1		1979	44	0	10	1	3.7
137	1	Saddle	1		1995	28	0	10	1	3.7
138	1	Saddle	1		1995	28	0	10	1	3.7
140	1	Saddle	1		1995	28	0	10	1	3.7
142	1	Saddle	1		1995	28	0	10	1	3.7
144	1	Saddle	1		1995	28	0	10	1	3.7
145	1	Saddle	1		1995	28	0	10	1	3.7
146	1	Saddle	1		1995	28	0	10	1	3.7
147	1	Saddle	1		1979	44	0	10	1	3.7
148	1	Saddle	1		1979	44	0	10	1	3.7
150	1	Saddle	1		1994	29	0	10	1	3.7
151	1	Saddle	1		1994	29	0	10	1	3.7
152	1	Saddle	1		1994	29	0	10	1	3.7
153	1	Saddle	1		1994	29	0	10	1	3.7
157	1	Saddle	1		1994	29	0	10	1	3.7
159	1	Saddle	1		2002	21	0	10	1	3.7
161	1	Saddle	1		2002	21	0	10	1	3.7
162	1	Saddle	1		1995	28	0	10	1	3.7
163	1	Saddle	1		1995	28	0	10	1	3.7
164	1	Saddle	1		1995	28	0	10	1	3.7
166	1	Saddle	1		2002	21	0	10	1	3.7
168	1	Saddle	2		1995	28	0	10	1	3.7
170	1	Saddle	1		2002	21	0	10	1	3.7
172	1	Saddle	2		1995	28	0	10	1	3.7
175	1	Saddle	1		1995	28	0	10	1	3.7
176	1	Saddle	1		1995	28	0	10	1	3.7
177	1	Saddle	1		1995	28	0	10	1	3.7
178	1	Saddle	1		1995	28	0	10	1	3.7
181	1	Saddle	1		1995	28	0	10	1	3.7
182	1	Saddle	1		1995	28	0	10	1	3.7
183	1	Saddle	1		2002	21	0	10	1	3.7
184	1	Saddle	1		1995	28	0	10	1	3.7
185	1	Saddle	1		1995	28	0	10	1	3.7

187	1	Saddle	1	1995	28	0	10	1	3.7
189	1	Saddle	1	1995	28	0	10	1	3.7
190	1	Saddle	1	1995	28	0	10	1	3.7
192	1	Saddle	1	2002	21	0	10	1	3.7
193	1	Saddle	1	1995	28	0	10	1	3.7
196	1	Saddle	1	1995	28	0	10	1	3.7
197	1	Saddle	1	1995	28	0	10	1	3.7
198	1	Saddle	1	1995	28	0	10	1	3.7
199	1	Saddle	1.5	1995	28	0	10	1	3.7
200	1	Saddle	1	1995	28	0	10	1	3.7
201	1	Saddle	1	1995	28	0	10	1	3.7
202	1	Saddle	1	1995	28	0	10	1	3.7
203	1	Saddle	1	2002	21	0	10	1	3.7
204	1	Saddle	1	2002	21	0	10	1	3.7
205	1	Saddle	1	1995	28	0	10	1	3.7
206	1	Saddle	1	1995	28	0	10	1	3.7
208	1	Saddle	1	1995	28	0	10	1	3.7
209	1	Saddle	1	2002	21	0	10	1	3.7
210	1	Saddle	1	2002	21	0	10	1	3.7
211	1	Saddle	1	1995	28	0	10	1	3.7
212	1	Saddle	1	1995	28	0	10	1	3.7
216	1	Saddle	2	2017	6	0	1	1	1
217	1	Saddle	1	1995	28	0	10	1	3.7
218	1	Saddle	1	1995	28	0	10	1	3.7
219	1	Saddle	1	1995	28	0	10	1	3.7
220	1	Saddle	1	1995	28	0	10	1	3.7
221	1	Saddle	1	2002	21	0	10	1	3.7
222	1	Saddle	1		0	0	7	1	2.8
225	1	Saddle	1	1995	28	0	10	1	3.7
226	1	Saddle	1	1995	28	0	10	1	3.7
227	1	Saddle	1	1995	28	0	10	1	3.7
228	1	Saddle	1	1995	28	0	10	1	3.7
229	1	Saddle	1	1995	28	0	10	1	3.7
230	1	Saddle	1	1995	28	0	10	1	3.7
231	1	Saddle	1	1995	28	0	10	1	3.7
232	1	Saddle	1	1995	28	0	10	1	3.7
234	1	Saddle	1	1994	29	0	10	1	3.7
235	1	Saddle	1	1994	29	0	10	1	3.7
236	1	Saddle	1	1995	28	0	10	1	3.7
237	1	Saddle	1	1994	29	0	10	1	3.7
238	1	Saddle	1	1995	28	0	10	1	3.7
239	1	Saddle	1	1995	28	0	10	1	3.7
240	1	Saddle	1	1995	28	0	10	1	3.7
241	1	Saddle	1	1995	28	0	10	1	3.7
242	1	Saddle	1	1995	28	0	10	1	3.7
243	1	Saddle	1	1995	28	0	10	1	3.7
244	1	Saddle	1	1995	28	0	10	1	3.7
245	1	Saddle	1	1995	28	0	10	1	3.7
246	1	Saddle	1	1995	28	0	10	1	3.7
248	1	Saddle	2	2022	1	0	1	1	1
249	1	Saddle	1	1995	28	0	10	1	3.7
250	1	Saddle	1	1995	28	0	10	1	3.7
251	1	Saddle	1	1995	28	0	10	1	3.7
252	1	Saddle	1	1995	28	0	10	1	3.7
253	1	Saddle	2	2016	7	0	1	1	1
256	1	Saddle	1	1994	29	0	10	1	3.7
257	1	Saddle	2	2016	7	0	1	1	1
262	1	Saddle	2	2016	7	0	1	1	1
263	1	Saddle	1	1995	28	0	10	1	3.7
264	1	Saddle	2	2016	7	0	1	1	1
265	1	Saddle	1	1995	28	0	10	1	3.7
266	1	Saddle	1	1995	28	0	10	1	3.7
268	1	Saddle	2	2016	7	0	1	1	1
269	1	Saddle	1	1994	29	0	10	1	3.7
270	1	Saddle	1	1995	28	0	10	1	3.7
271	1	Saddle	1	1994	29	0	10	1	3.7
272	1	Saddle	1	1995	28	0	10	1	3.7
273	1	Saddle	1	1995	28	0	10	1	3.7
276	1	Saddle	1	1995	28	0	10	1	3.7
277	1	Saddle	1	1995	28	0	10	1	3.7
278	1	Saddle	1	1995	28	0	10	1	3.7
279	1	Saddle	1	1995	28	0	10	1	3.7
280	1	Saddle	1	1995	28	0	10	1	3.7
281	1	Saddle	1	1995	28	0	10	1	3.7
282	1	Saddle	2	1997	26	0	10	1	3.7
283	1	Saddle	1	2006	17	0	10	1	3.7
285	1	Saddle	1	1995	28	0	10	1	3.7
287	1	Saddle	1	1995	28	0	10	1	3.7
288	1	Saddle	1	1995	28	0	10	1	3.7
289	1	Saddle	1	1995	28	0	10	1	3.7
290	1	Saddle	1	1995	28	0	10	1	3.7
291	1	Saddle	1	1995	28	0	10	1	3.7
292	1	Saddle	1	1995	28	0	10	1	3.7
294	1	Saddle	1	1995	28	0	10	1	3.7
295	1	Saddle	1	1995	28	0	10	1	3.7
296	1	Saddle	1	1995	28	0	10	1	3.7
297	1	Saddle	1	1995	28	0	10	1	3.7
298	1	Saddle	1	1995	28	0	10	1	3.7
299	1	Saddle	2	1995	28	0	10	1	3.7
301	1	Saddle	1	1995	28	0	10	1	3.7
302	1	Saddle	1	1995	28	0	10	1	3.7
303	1	Saddle	1	1995	28	0	10	1	3.7

304	1	Saddle	2		1995	28	0	10	1	3.7
305	1	Saddle	1		1995	28	0	10	1	3.7
306	1	Saddle	2		1995	28	0	10	1	3.7
307	1	Saddle	1		1995	28	0	10	1	3.7
309	1	Saddle	1		1995	28	0	10	1	3.7
310	1	Saddle	1			0	0	7	1	2.8
311	1	Saddle	1		1995	28	0	10	1	3.7
312	1	Saddle	1		1995	28	0	10	1	3.7
313	1	Saddle	1		1995	28	0	10	1	3.7
314	1	Saddle	1		1995	28	0	10	1	3.7
315	1	Saddle	1		1995	28	0	10	1	3.7
317	1	Saddle	1		1995	28	0	10	1	3.7
318	1	Saddle	1		1995	28	0	10	1	3.7
321	1	Saddle	1		1995	28	0	10	1	3.7
323	1	Saddle				0	0	7	1	2.8
330	1	Saddle	1		1995	28	0	10	1	3.7
333	1	Saddle	1			0	0	7	1	2.8
336	1	Saddle	1.5			0	0	7	1	2.8
337	1	Saddle	1.5			0	0	7	1	2.8
338	1	Saddle	1.5	COPPER		0	0	7	1	2.8
339	1	Saddle	1.5			0	0	7	1	2.8
340	1	Saddle	1.5			0	0	7	1	2.8
344	1	Saddle	1.5			0	0	7	1	2.8
345	1	Saddle	2			0	0	7	1	2.8
352	1	Saddle	1			0	0	7	1	2.8
355	1	Saddle	1		1978	45	0	10	1	3.7
356	1	Saddle	1			0	0	7	1	2.8
359	1	Saddle	1		1978	45	0	10	1	3.7
360	1	Saddle	1			0	0	7	1	2.8
363	1	Saddle	1			0	0	7	1	2.8
364	1	Saddle	1			0	0	7	1	2.8
365	1	Saddle	1		1978	45	0	10	1	3.7
367	1	Saddle	2		2022	1	0	1	1	1
369	1	Saddle	1			0	0	7	1	2.8
370	1	Saddle	1			0	0	7	1	2.8
372	1	Saddle	1			0	0	7	1	2.8
375	1	Saddle	2		2013	10	0	1	1	1
378	1	Saddle	2		2013	10	0	1	1	1
379	1	Saddle	2		2013	10	0	1	1	1
382	1	Saddle				0	0	7	1	2.8
383	1	Saddle	2		2013	10	0	1	1	1
385	1	Saddle	1			0	0	7	1	2.8
386	1	Saddle	2		2013	10	0	1	1	1
388	1	Saddle	2		2013	10	0	1	1	1
389	1	Saddle	1		2004	19	0	10	1	3.7
391	1	Saddle	1			0	0	7	1	2.8
392	1	Saddle	1			0	0	7	1	2.8
393	1	Saddle	2		2021	2	0	1	1	1
396	1	Saddle	2		2013	10	0	1	1	1
399	1	Saddle	1		2004	19	0	10	1	3.7
401	1	Saddle	2		2004	19	0	10	1	3.7
403	1	Saddle	1		2004	19	0	10	1	3.7
404	1	Saddle	1		2004	19	0	10	1	3.7
406	1	Saddle	1.25		2004	19	0	10	1	3.7
407	1	Saddle	1		2004	19	0	10	1	3.7
408	1	Saddle	1		2004	19	0	10	1	3.7
411	1	Saddle	2		2004	19	0	10	1	3.7
414	1	Saddle	1		2004	19	0	10	1	3.7
415	1	Saddle	1		1988	35	0	10	1	3.7
418	1	Saddle	1		1994	29	0	10	1	3.7
421	1	Saddle	1		1988	35	0	10	1	3.7
422	1	Saddle	1		1994	29	0	10	1	3.7
425	1	Saddle	1		1988	35	0	10	1	3.7
427	1	Saddle	1		1980	43	0	10	1	3.7
429	1	Saddle	1		1980	43	0	10	1	3.7
433	1	Saddle	1		1988	35	0	10	1	3.7
434	1	Saddle	1		1988	35	0	10	1	3.7
436	1	Saddle	1		1980	43	0	10	1	3.7
437	1	Saddle	1		1980	43	0	10	1	3.7
438	1	Saddle	1		1980	43	0	10	1	3.7
441	1	Saddle	1		1980	43	0	10	1	3.7
444	1	Saddle	2		2007	16	0	10	1	3.7
445	1	Saddle	2		2014	9	0	1	1	1
446	1	Saddle	2		2014	9	0	1	1	1
447	1	Saddle	1		1980	43	0	10	1	3.7
449	1	Saddle	2		2014	9	0	1	1	1
450	1	Saddle	2		2014	9	0	1	1	1
451	1	Saddle	2		2015	8	0	1	1	1
454	1	Saddle	8		1980	43	0	10	1	3.7
455	1	Saddle	2		2014	9	0	1	1	1
457	1	Saddle	2		2017	6	0	1	1	1
458	1	Saddle	1		2004	19	0	10	1	3.7
461	1	Saddle	1		2004	19	0	10	1	3.7
462	1	Saddle	1		1980	43	0	10	1	3.7
463	1	Saddle	1		1980	43	0	10	1	3.7
466	1	Saddle	1		1997	26	0	10	1	3.7
467	1	Saddle	2		2004	19	0	10	1	3.7
469	1	Saddle	1		1983	40	0	10	1	3.7
472	1	Saddle	1		1980	43	0	10	1	3.7
473	1	Saddle				0	0	7	1	2.8
474	1	Saddle	1		2004	19	0	10	1	3.7
476	1	Saddle				0	0	7	1	2.8

477	1	Saddle	1	1983	40	0	10	1	3.7
478	1	Saddle	1	1980	43	0	10	1	3.7
483	1	Saddle	1	1980	43	0	10	1	3.7
484	1	Saddle	1	1997	26	0	10	1	3.7
485	1	Saddle	1	1997	26	0	10	1	3.7
488	1	Saddle	1	1997	26	0	10	1	3.7
489	1	Saddle	1	1980	43	0	10	1	3.7
491	1	Saddle	1	1996	27	0	10	1	3.7
492	1	Saddle	1		0	0	7	1	2.8
493	1	Saddle	1	1996	27	0	10	1	3.7
495	1	Saddle	1	1980	43	0	10	1	3.7
496	1	Saddle	1	1997	26	0	10	1	3.7
497	1	Saddle	1	1997	26	0	10	1	3.7
498	1	Saddle	1	1980	43	0	10	1	3.7
499	1	Saddle	1	1997	26	0	10	1	3.7
507	1	Saddle	1	1980	43	0	10	1	3.7
508	1	Saddle	1	1997	26	0	10	1	3.7
509	1	Saddle	1	1996	27	0	10	1	3.7
510	1	Saddle	1	1996	27	0	10	1	3.7
511	1	Saddle	1	1996	27	0	10	1	3.7
512	1	Saddle	1	1996	27	0	10	1	3.7
513	1	Saddle	1	1996	27	0	10	1	3.7
516	1	Saddle	1	1980	43	Corrosion	10	10	10
517	1	Saddle	1	1996	27	0	10	1	3.7
518	1	Saddle	2	2018	5	0	1	1	1
519	1	Saddle	2	2017	6	Corrosion	1	10	7.3
522	1	Saddle	1	1969	54	Corrosion	10	10	10
524	1	Saddle	1	1969	54	Corrosion	10	10	10
527	1	Saddle	1	1991	32	Corrosion	10	10	10
528	1	Saddle	1	1996	27	0	10	1	3.7
529	1	Saddle	1	1996	27	0	10	1	3.7
531	1	Saddle	1	1969	54	Corrosion	10	10	10
532	1	Saddle	1		0	Corrosion	7	10	9.1
534	1	Saddle	1	1969	54	Corrosion	10	10	10
537	1	Saddle	1	1969	54	Corrosion	10	10	10
538	1	Saddle	1	1969	54	Corrosion	10	10	10
541	1	Saddle	1	1969	54	Corrosion	10	10	10
542	1	Saddle	1		0	0	7	1	2.8
543	1	Saddle	1		0	0	7	1	2.8
545	1	Saddle	1	1969	54	Corrosion	10	10	10
550	1	Saddle	1	1969	54	Corrosion	10	10	10
551	1	Saddle	1	1996	27	0	10	1	3.7
552	1	Saddle	2	2022	1	Corrosion	1	10	7.3
556	1	Saddle	1	1969	54	Corrosion	10	10	10
557	1	Saddle	1	1969	54	Corrosion	10	10	10
560	1	Saddle	1	1996	27	0	10	1	3.7
562	1	Saddle	1	1996	27	0	10	1	3.7
563	1	Saddle	1	1969	54	Corrosion	10	10	10
564	1	Saddle	1	1969	54	Corrosion	10	10	10
565	1	Saddle	1	1996	27	0	10	1	3.7
566	1	Saddle	1	1996	27	0	10	1	3.7
567	1	Saddle	1	1969	54	Corrosion	10	10	10
571	1	Saddle	1	1969	54	Corrosion	10	10	10
573	1	Saddle	1	1969	54	Corrosion	10	10	10
574	1	Saddle	1	1969	54	Corrosion	10	10	10
575	1	Saddle	1	1969	54	Corrosion	10	10	10
577	1	Saddle	1	1969	54	Corrosion	10	10	10
581	1	Saddle	1	1969	54	Corrosion	10	10	10
582	1	Saddle	1	1969	54	Corrosion	10	10	10
588	1	Saddle	1	1969	54	Corrosion	10	10	10
590	1	Saddle	1	1969	54	Corrosion	10	10	10
593	1	Saddle	1	1969	54	Corrosion	10	10	10
596	1	Saddle	1	1969	54	Corrosion	10	10	10
598	1	Saddle	1	1969	54	Corrosion	10	10	10
599	1	Saddle	1	1969	54	Corrosion	10	10	10
600	1	Saddle	1	1969	54	Corrosion	10	10	10
603	1	Saddle	2	2002	21	Corrosion	10	10	10
605	1	Saddle	1	1969	54	Corrosion	10	10	10
606	1	Saddle	1	1969	54	Corrosion	10	10	10
607	1	Saddle	1	1969	54	Corrosion	10	10	10
611	1	Saddle	1	2002	21	Corrosion	10	10	10
613	1	Saddle	1	2002	21	Corrosion	10	10	10
614	1	Saddle	1	2002	21	Corrosion	10	10	10
615	1	Saddle	1	2002	21	Corrosion	10	10	10
618	1	Saddle	1	1969	54	Corrosion	10	10	10
619	1	Saddle	1	1969	54	Corrosion	10	10	10
620	1	Saddle	1	1969	54	Corrosion	10	10	10
623	1	Saddle	1	1969	54	Corrosion	10	10	10
626	1	Saddle	1	1969	54	Corrosion	10	10	10
628	1	Saddle	1	1969	54	Corrosion	10	10	10
633	1	Saddle	1	1969	54	Corrosion	10	10	10
634	1	Saddle	1	1969	54	Corrosion	10	10	10
636	1	Saddle	1	1969	54	Corrosion	10	10	10
637	1	Saddle	1	1969	54	Corrosion	10	10	10
640	1	Saddle	1	1969	54	Corrosion	10	10	10
641	1	Saddle	1	1969	54	Corrosion	10	10	10
645	1	Saddle	1	1969	54	Corrosion	10	10	10
648	1	Saddle	1	1969	54	Corrosion	10	10	10
651	1	Saddle	1	1969	54	Corrosion	10	10	10
652	1	Saddle	1	1969	54	Corrosion	10	10	10
654	1	Saddle	1	1969	54	Corrosion	10	10	10
662	1	Saddle	1	1969	54	Corrosion	10	10	10

663	1	Saddle	1	1969	54	Corrosion	10	10	10
666	1	Saddle	1	1969	54	Corrosion	10	10	10
668	1	Saddle	1	1969	54	Corrosion	10	10	10
670	1	Saddle	1	1969	54	Corrosion	10	10	10
674	1	Saddle	1	1969	54	Corrosion	10	10	10
676	1	Saddle	1	1969	54	Corrosion	10	10	10
678	1	Saddle	1	1969	54	Corrosion	10	10	10
679	1	Saddle	1	1969	54	Corrosion	10	10	10
680	1	Saddle	1	1969	54	Corrosion	10	10	10
684	1	Saddle	1	1969	54	Corrosion	10	10	10
687	1	Saddle	1	1969	54	Corrosion	10	10	10
689	1	Saddle	1	1969	54	Corrosion	10	10	10
690	1	Saddle	1	1969	54	Corrosion	10	10	10
693	1	Saddle	1	1969	54	Corrosion	10	10	10
697	1	Saddle	1	1969	54	Corrosion	10	10	10
699	1	Saddle	1	1969	54	Corrosion	10	10	10
702	1	Saddle	1	1969	54	Corrosion	10	10	10
703	1	Saddle	1	1969	54	Corrosion	10	10	10
704	1	Saddle	1	1969	54	Corrosion	10	10	10
705	1	Saddle	1	1969	54	Corrosion	10	10	10
707	1	Saddle	1	1969	54	Corrosion	10	10	10
711	1	Saddle	1	1969	54	Corrosion	10	10	10
713	1	Saddle	1	1969	54	Corrosion	10	10	10
714	1	Saddle	1	1969	54	Corrosion	10	10	10
718	1	Saddle	1	1969	54	Corrosion	10	10	10
719	1	Saddle	1	1969	54	Corrosion	10	10	10
720	1	Saddle	1	1969	54	Corrosion	10	10	10
722	1	Saddle	1	1969	54	Corrosion	10	10	10
725	1	Saddle	1	1969	54	Corrosion	10	10	10
727	1	Saddle	1	1969	54	Corrosion	10	10	10
728	1	Saddle	1	1969	54	Corrosion	10	10	10
731	1	Saddle	1	1969	54	Corrosion	10	10	10
732	1	Saddle	1	1969	54	Corrosion	10	10	10
734	1	Saddle	1	1969	54	Corrosion	10	10	10
737	1	Saddle	1	1969	54	Corrosion	10	10	10
739	1	Saddle	1	1969	54	Corrosion	10	10	10
743	1	Saddle	1	1969	54	Corrosion	10	10	10
744	1	Saddle	1	1969	54	Corrosion	10	10	10
746	1	Saddle	1	1969	54	Corrosion	10	10	10
749	1	Saddle	1	1969	54	Corrosion	10	10	10
750	1	Saddle	2	1969	54	Corrosion	10	10	10
754	1	Saddle	1	1969	54	Corrosion	10	10	10
759	1	Saddle	1	1969	54	Corrosion	10	10	10
760	1	Saddle	1	1969	54	Corrosion	10	10	10
763	1	Saddle	1	1969	54	Corrosion	10	10	10
765	1	Saddle	1	1969	54	Corrosion	10	10	10
767	1	Saddle	1	1969	54	Corrosion	10	10	10
769	1	Saddle	1	1969	54	Corrosion	10	10	10
772	1	Saddle	1	1969	54	Corrosion	10	10	10
775	1	Saddle	1	1969	54	Corrosion	10	10	10
776	1	Saddle	1	1969	54	Corrosion	10	10	10
779	1	Saddle	1	1969	54	Corrosion	10	10	10
780	1	Saddle	1	1969	54	Corrosion	10	10	10
785	1	Saddle	1	1969	54	Corrosion	10	10	10
786	1	Saddle	1	1969	54	Corrosion	10	10	10
789	1	Saddle	1	1969	54	Corrosion	10	10	10
790	1	Saddle	1	1969	54	Corrosion	10	10	10
791	1	Saddle	1	1969	54	Corrosion	10	10	10
795	1	Saddle	1	1969	54	Corrosion	10	10	10
800	1	Saddle	1	1969	54	Corrosion	10	10	10
802	1	Saddle			0	0	7	1	2.8
803	1	Saddle			0	0	7	1	2.8
804	1	Saddle			0	0	7	1	2.8
805	1	Saddle	1		0	0	7	1	2.8
807	1	Saddle	1		0	0	7	1	2.8
808	1	Saddle	6	2021	2	0	1	1	1
809	1	Saddle	1		0	0	7	1	2.8
810	1	Saddle	1		0	0	7	1	2.8
811	1	Saddle	1		0	0	7	1	2.8
813	1	Saddle	1		0	0	7	1	2.8
814	1	Saddle	1	1999	24	0	10	1	3.7
824	1	Saddle	1		0	0	7	1	2.8
825	1	Saddle	1		0	0	7	1	2.8
831	1	Saddle	1		0	0	7	1	2.8
832	1	Saddle	1	1999	24	0	10	1	3.7
833	1	Saddle	1	1999	24	0	10	1	3.7
834	1	Saddle	1	1999	24	0	10	1	3.7
836	1	Saddle	1		0	0	7	1	2.8
837	1	Saddle	1	1999	24	0	10	1	3.7
839	1	Saddle	1	1983	40	0	10	1	3.7
841	1	Saddle	1	1983	40	0	10	1	3.7
842	1	Saddle	2	2007	16	0	10	1	3.7
843	1	Saddle	1	1999	24	0	10	1	3.7
844	1	Saddle	1		0	0	7	1	2.8
845	1	Saddle	1	1999	24	0	10	1	3.7
846	1	Saddle	1	1999	24	0	10	1	3.7
847	1	Saddle	1	1999	24	0	10	1	3.7
851	1	Saddle	1	1999	24	0	10	1	3.7
853	1	Saddle	2	2007	16	0	10	1	3.7
854	1	Saddle	1	1983	40	0	10	1	3.7
857	1	Saddle	1	1983	40	0	10	1	3.7
861	1	Saddle	1	1983	40	0	10	1	3.7

863	1	Saddle	1		0	0	7	1	2.8
864	1	Saddle	1	1983	40	0	10	1	3.7
865	1	Saddle	1		0	0	7	1	2.8
867	1	Saddle	2	1999	24	0	10	1	3.7
869	1	Saddle	1		0	0	7	1	2.8
871	1	Saddle	2	2011	12	0	10	1	3.7
872	1	Saddle	1		0	0	7	1	2.8
873	1	Saddle	2	2011	12	0	10	1	3.7
875	1	Saddle	1	1983	40	0	10	1	3.7
876	1	Saddle	2	2011	12	0	10	1	3.7
877	1	Saddle	2	2001	22	0	10	1	3.7
878	1	Saddle	1	1991	32	0	10	1	3.7
879	1	Saddle	1	1999	24	0	10	1	3.7
881	1	Saddle			0	0	7	1	2.8
882	1	Saddle	1	1983	40	0	10	1	3.7
885	1	Saddle	2		0	0	7	1	2.8
886	1	Saddle	1	1983	40	0	10	1	3.7
890	1	Saddle	1	1969	54	0	10	1	3.7
891	1	Saddle	1	1969	54	0	10	1	3.7
893	1	Saddle	1	1969	54	0	10	1	3.7
895	1	Saddle	1	1969	54	0	10	1	3.7
896	1	Saddle	1	1969	54	0	10	1	3.7
898	1	Saddle	1	1969	54	0	10	1	3.7
901	1	Saddle	1	1969	54	0	10	1	3.7
903	1	Saddle	1	1969	54	0	10	1	3.7
906	1	Saddle	1	1969	54	0	10	1	3.7
910	1	Saddle	1	1969	54	0	10	1	3.7
911	1	Saddle	1.5	1969	54	0	10	1	3.7
913	1	Saddle	1	1969	54	0	10	1	3.7
914	1	Saddle	1	1969	54	0	10	1	3.7
915	1	Saddle	1	1969	54	0	10	1	3.7
916	1	Saddle	1	1969	54	0	10	1	3.7
917	1	Saddle	1	1969	54	0	10	1	3.7
918	1	Saddle	1	1969	54	0	10	1	3.7
921	1	Saddle	1	1969	54	0	10	1	3.7
923	1	Saddle	1	1969	54	0	10	1	3.7
925	1	Saddle	1	1969	54	0	10	1	3.7
926	1	Saddle	1	1969	54	0	10	1	3.7
929	1	Saddle	1	1969	54	0	10	1	3.7
930	1	Saddle	1	1969	54	0	10	1	3.7
933	1	Saddle	1	1969	54	0	10	1	3.7
936	1	Saddle	1	1969	54	0	10	1	3.7
939	1	Saddle	1	1969	54	Corrosion	10	10	10
940	1	Saddle	1	1969	54	Corrosion	10	10	10
943	1	Saddle	1	1969	54	Corrosion	10	10	10
945	1	Saddle	1	1969	54	Corrosion	10	10	10
946	1	Saddle	1	1969	54	Corrosion	10	10	10
948	1	Saddle	1	1969	54	Corrosion	10	10	10
952	1	Saddle	1	1969	54	Corrosion	10	10	10
954	1	Saddle	1	1969	54	Corrosion	10	10	10
955	1	Saddle	1	1969	54	Corrosion	10	10	10
959	1	Saddle	1	1969	54	Corrosion	10	10	10
960	1	Saddle	1	1969	54	Corrosion	10	10	10
963	1	Saddle	1	1969	54	Corrosion	10	10	10
964	1	Saddle	1	1969	54	Corrosion	10	10	10
965	1	Saddle	1	1969	54	Corrosion	10	10	10
970	1	Saddle	2	2011	12	0	10	1	3.7
971	1	Saddle	1	1978	45	0	10	1	3.7
976	1	Saddle	1	1976	47	0	10	1	3.7
977	1	Saddle	2	2011	12	0	10	1	3.7
978	1	Saddle	1	1976	47	0	10	1	3.7
979	1	Saddle	2	2011	12	0	10	1	3.7
982	1	Saddle			0	0	7	1	2.8
983	1	Saddle	1	1985	38	0	10	1	3.7
984	1	Saddle	1	1985	38	0	10	1	3.7
985	1	Saddle	1	1976	47	0	10	1	3.7
986	1	Saddle	1	1985	38	0	10	1	3.7
987	1	Saddle	1	1985	38	0	10	1	3.7
988	1	Saddle	2	1978	45	0	10	1	3.7
989	1	Saddle	1	1976	47	0	10	1	3.7
990	1	Saddle	1	2014	9	0	1	1	1
991	1	Saddle	1	1976	47	0	10	1	3.7
993	1	Saddle	2	2013	10	0	1	1	1
995	1	Saddle			0	0	7	1	2.8
996	1	Saddle	1	1999	24	0	10	1	3.7
998	1	Saddle	1	1985	38	0	10	1	3.7
999	1	Saddle	2	2014	9	0	1	1	1
1000	1	Saddle	1	1985	38	0	10	1	3.7
1001	1	Saddle	2	1976	47	0	10	1	3.7
1004	1	Saddle	1	1985	38	0	10	1	3.7
1005	1	Saddle	1	1976	47	0	10	1	3.7
1006	1	Saddle	1	1976	47	0	10	1	3.7
1007	1	Saddle	1	1985	38	0	10	1	3.7
1008	1	Saddle	2	2014	9	0	1	1	1
1009	1	Saddle	2	2013	10	0	1	1	1
1010	1	Saddle	2	2013	10	0	1	1	1
1012	1	Saddle	1	2006	17	0	10	1	3.7
1013	1	Saddle	2	1985	38	0	10	1	3.7
1014	1	Saddle	2	2014	9	0	1	1	1
1015	1	Saddle	2	1985	38	0	10	1	3.7
1016	1	Saddle	2	2014	9	0	1	1	1
1017	1	Saddle	1	1985	38	0	10	1	3.7

1018	1	Saddle	1	1985	38	0	10	1	3.7
1019	1	Saddle	1	1985	38	0	10	1	3.7
1020	1	Saddle	1	1985	38	0	10	1	3.7
1021	1	Saddle	1	1985	38	0	10	1	3.7
1023	1	Saddle	2	1985	38	0	10	1	3.7
1025	1	Saddle	1	2007	16	0	10	1	3.7
1028	1	Saddle	1	1985	38	0	10	1	3.7
1029	1	Saddle	1	1985	38	0	10	1	3.7
1030	1	Saddle	2	1985	38	0	10	1	3.7
1031	1	Saddle	2	2013	10	0	1	1	1
1032	1	Saddle	2	2013	10	0	1	1	1
1034	1	Saddle	2	2016	7	0	1	1	1
1035	1	Saddle	2	2016	7	0	1	1	1
1037	1	Saddle	2	2016	7	0	1	1	1
1040	1	Saddle	1	1985	38	0	10	1	3.7
1043	1	Saddle	2	2016	7	0	1	1	1
1044	1	Saddle		1985	38	0	10	1	3.7
1045	1	Saddle	1	2016	7	0	1	1	1
1047	1	Saddle	2	2016	7	0	1	1	1
1048	1	Saddle	2	2016	7	0	1	1	1
1050	1	Saddle	2	2016	7	0	1	1	1
1052	1	Saddle	2	1985	38	0	10	1	3.7
1055	1	Saddle	2	2016	7	0	1	1	1
1056	1	Saddle	2	2016	7	0	1	1	1
1059	1	Saddle			0	0	7	1	2.8
1062	1	Saddle	2	1978	45	0	10	1	3.7
1064	1	Saddle			0	0	7	1	2.8
1073	1	Saddle	1	1997	26	0	10	1	3.7
1074	1	Saddle	1	1997	26	0	10	1	3.7
1075	1	Saddle	1	1997	26	0	10	1	3.7
1076	1	Saddle	1	1997	26	0	10	1	3.7
1077	1	Saddle	1	1997	26	0	10	1	3.7
1080	1	Saddle	1	2001	22	0	10	1	3.7
1081	1	Saddle	2	1997	26	0	10	1	3.7
1088	1	Saddle	1	1983	40	0	10	1	3.7
1089	1	Saddle	2	1997	26	0	10	1	3.7
1095	1	Saddle	1	2006	17	0	10	1	3.7
1096	1	Saddle	1	1995	28	0	10	1	3.7
1098	1	Saddle	1	1995	28	0	10	1	3.7
1099	1	Saddle	1	1995	28	0	10	1	3.7
1104	1	Saddle	1	1996	27	0	10	1	3.7
1105	1	Saddle	1	1995	28	0	10	1	3.7
1110	1	Saddle	2	2014	9	0	1	1	1
1111	1	Saddle	1		0	0	7	1	2.8
1113	1	Saddle	1	1995	28	0	10	1	3.7
1114	1	Saddle	1	1995	28	0	10	1	3.7
1115	1	Saddle	2	2014	9	0	1	1	1
1117	1	Saddle	2	2014	9	0	1	1	1
1118	1	Saddle	1	1995	28	0	10	1	3.7
1120	1	Saddle	2	1986	37	0	10	1	3.7
1122	1	Saddle	1	1986	37	0	10	1	3.7
1123	1	Saddle	1	1986	37	0	10	1	3.7
1128	1	Saddle	1	1983	40	0	10	1	3.7
1131	1	Saddle	1	2001	22	0	10	1	3.7
1132	1	Saddle	1	2001	22	0	10	1	3.7
1133	1	Saddle	1	1983	40	0	10	1	3.7
1134	1	Saddle	1	2001	22	0	10	1	3.7
1135	1	Saddle	1	2001	22	0	10	1	3.7
1136	1	Saddle	1	1985	38	0	10	1	3.7
1138	1	Saddle	1	2001	22	0	10	1	3.7
1139	1	Saddle	1	2001	22	0	10	1	3.7
1140	1	Saddle	1	2001	22	0	10	1	3.7
1141	1	Saddle	1	2001	22	0	10	1	3.7
1142	1	Saddle	1	2001	22	0	10	1	3.7
1143	1	Saddle	1	1985	38	0	10	1	3.7
1147	1	Saddle	1	1983	40	0	10	1	3.7
1149	1	Saddle	1	1983	40	0	10	1	3.7
1150	1	Saddle	1	1983	40	0	10	1	3.7
1152	1	Saddle	1	1983	40	0	10	1	3.7
1153	1	Saddle	1	1983	40	0	10	1	3.7
1156	1	Saddle	1	1994	29	0	10	1	3.7
1160	1	Saddle	1	2001	22	0	10	1	3.7
1161	1	Saddle	1	2001	22	0	10	1	3.7
1163	1	Saddle	1	1985	38	0	10	1	3.7
1164	1	Saddle	1	1994	29	0	10	1	3.7
1170	1	Saddle	1		0	0	7	1	2.8
1171	1	Saddle	1		0	0	7	1	2.8
1173	1	Saddle	1	2001	22	0	10	1	3.7
1175	1	Saddle	1	2001	22	0	10	1	3.7
1178	1	Saddle	1	1985	38	0	10	1	3.7
1179	1	Saddle	2	2009	14	0	10	1	3.7
1181	1	Saddle	1	1994	29	0	10	1	3.7
1183	1	Saddle	1	1985	38	0	10	1	3.7
1184	1	Saddle	1	2001	22	0	10	1	3.7
1185	1	Saddle	1	1994	29	0	10	1	3.7
1186	1	Saddle	1	2001	22	0	10	1	3.7
1189	1	Saddle	1	1985	38	0	10	1	3.7
1194	1	Saddle	1	1985	38	0	10	1	3.7
1195	1	Saddle	1	2001	22	0	10	1	3.7
1197	1	Saddle	1		0	0	7	1	2.8
1198	1	Saddle	1	2001	22	0	10	1	3.7
1199	1	Saddle	1		0	0	7	1	2.8

1200	1	Saddle	2			2009	14	0	10	1	3.7
1202	1	Saddle	2			2009	14	0	10	1	3.7
1203	1	Saddle	1			2002	21	0	10	1	3.7
1207	1	Saddle	2			2009	14	0	10	1	3.7
1208	1	Saddle	1			1983	40	0	10	1	3.7
1210	1	Saddle	1			2001	22	0	10	1	3.7
1212	1	Saddle	1			2001	22	0	10	1	3.7
1214	1	Saddle	1			1994	29	0	10	1	3.7
1215	1	Saddle	1				0	0	7	1	2.8
1217	1	Saddle	1			2001	22	0	10	1	3.7
1218	1	Saddle	1				0	0	7	1	2.8
1219	1	Saddle	1			2001	22	0	10	1	3.7
1220	1	Saddle	1			2001	22	0	10	1	3.7
1223	1	Saddle	1			2001	22	0	10	1	3.7
1224	1	Saddle	2			2009	14	0	10	1	3.7
1227	1	Saddle		1			0	0	7	1	2.8
1228	1	Saddle	1				0	0	7	1	2.8
1232	1	Saddle	2			2009	14	0	10	1	3.7
1234	1	Saddle	1			1994	29	0	10	1	3.7
1237	1	Saddle	1			1969	54	Corrosion	10	10	10
1241	1	Saddle	1			1969	54	Corrosion	10	10	10
1242	1	Saddle	1			1969	54	Corrosion	10	10	10
1245	1	Saddle	1			1969	54	Corrosion	10	10	10
1246	1	Saddle	1			1969	54	Corrosion	10	10	10
1248	1	Saddle	1			1969	54	Corrosion	10	10	10
1254	1	Saddle	1			1969	54	Corrosion	10	10	10
1255	1	Saddle	1			1969	54	Corrosion	10	10	10
1257	1	Saddle	1				0	0	7	1	2.8
1258	1	Saddle	1				0	0	7	1	2.8
1259	1	Saddle	2			2022	1	0	1	1	1
1260	1	Saddle	2			2022	1	0	1	1	1
1261	1	Saddle	1				0	0	7	1	2.8
1262	1	Saddle	2			2022	1	0	1	1	1
1263	1	Saddle	2			2022	1	0	1	1	1
1264	1	Saddle	1				0	0	7	1	2.8
1265	1	Saddle	1				0	0	7	1	2.8
1267	1	Saddle	2			2020	3	0	1	1	1
1268	1	Saddle	1				0	0	7	1	2.8
1269	1	Saddle	1				0	0	7	1	2.8
1270	1	Saddle	2			2020	3	0	1	1	1
1272	1	Saddle	2			2020	3	0	1	1	1
1275	1	Saddle	1				0	0	7	1	2.8
1278	1	Saddle	1				0	0	7	1	2.8
1282	1	Saddle	1				0	0	7	1	2.8
1283	1	Saddle	1				0	0	7	1	2.8
1284	1	Saddle	2				0	0	7	1	2.8
1287	1	Saddle	2			2020	3	0	1	1	1
1288	1	Saddle	2			2020	3	0	1	1	1
1289	1	Saddle	2			2020	3	0	1	1	1
1290	1	Saddle	2			2020	3	0	1	1	1
1291	1	Saddle	2			2020	3	0	1	1	1
1292	1	Saddle	2			2020	3	0	1	1	1
1296	1	Saddle	1				0	0	7	1	2.8
1299	1	Saddle	1				0	0	7	1	2.8
1301	1	Saddle	1				0	0	7	1	2.8
1302	1	Saddle	1				0	0	7	1	2.8
1304	1	Saddle	2				0	0	7	1	2.8
1306	1	Saddle	1				0	0	7	1	2.8
1307	1	Saddle	1				0	0	7	1	2.8
1309	1	Saddle	1			1994	29	0	10	1	3.7
1312	1	Saddle	1			1994	29	0	10	1	3.7
1313	1	Saddle	1			1994	29	0	10	1	3.7
1315	1	Saddle	1			1994	29	0	10	1	3.7
1316	1	Saddle	1			1994	29	0	10	1	3.7
1317	1	Saddle	1			1994	29	0	10	1	3.7
1318	1	Saddle	1			1994	29	0	10	1	3.7
1322	1	Saddle	1			1988	35	0	10	1	3.7
1323	1	Saddle	1			1988	35	0	10	1	3.7
1326	1	Saddle	1			1988	35	0	10	1	3.7
1327	1	Saddle	1			1996	27	0	10	1	3.7
1328	1	Saddle	1			1996	27	0	10	1	3.7
1331	1	Saddle	1			1996	27	0	10	1	3.7
1332	1	Saddle	1			1996	27	0	10	1	3.7
1333	1	Saddle	1			1988	35	0	10	1	3.7
1334	1	Saddle	1			1988	35	0	10	1	3.7
1335	1	Saddle	1			1996	27	0	10	1	3.7
1336	1	Saddle	1			1988	35	0	10	1	3.7
1339	1	Saddle	2			2004	19	0	10	1	3.7
1344	1	Saddle	1			1988	35	0	10	1	3.7
1346	1	Saddle	1			1988	35	0	10	1	3.7
1347	1	Saddle	1			1988	35	0	10	1	3.7
1349	1	Saddle	1			1988	35	0	10	1	3.7
1352	1	Saddle	1			1996	27	0	10	1	3.7
1353	1	Saddle	1			1996	27	0	10	1	3.7
1354	1	Saddle	1			1988	35	0	10	1	3.7
1357	1	Saddle	1			1988	35	0	10	1	3.7
1358	1	Saddle	1			1996	27	0	10	1	3.7
1359	1	Saddle	1			1996	27	0	10	1	3.7
1360	1	Saddle	1			1996	27	0	10	1	3.7
1361	1	Saddle	1			1996	27	0	10	1	3.7
1362	1	Saddle	1			1996	27	0	10	1	3.7
1363	1	Saddle	1			1996	27	0	10	1	3.7

1364	1	Saddle	1		1996	27	0	10	1	3.7
1366	1	Saddle	1		1996	27	0	10	1	3.7
1368	1	Saddle	1		1996	27	0	10	1	3.7
1369	1	Saddle	1		1996	27	0	10	1	3.7
1370	1	Saddle	1		1988	35	0	10	1	3.7
1371	1	Saddle	1		1996	27	0	10	1	3.7
1373	1	Saddle	1		1996	27	0	10	1	3.7
1374	1	Saddle	1		1996	27	0	10	1	3.7
1376	1	Saddle	1		1996	27	0	10	1	3.7
1377	1	Saddle	1		1996	27	0	10	1	3.7
1378	1	Saddle	1		1996	27	0	10	1	3.7
1379	1	Saddle	1		1996	27	0	10	1	3.7
1380	1	Saddle	1		2007	16	0	10	1	3.7
1383	1	Saddle	1		1996	27	0	10	1	3.7
1384	1	Saddle	1		1996	27	0	10	1	3.7
1386	1	Saddle	1		1996	27	0	10	1	3.7
1387	1	Saddle	1		1996	27	0	10	1	3.7
1388	1	Saddle	1		1990	33	0	10	1	3.7
1389	1	Saddle	1		1985	38	0	10	1	3.7
1391	1	Saddle	1		1990	33	0	10	1	3.7
1393	1	Saddle	1		1990	33	0	10	1	3.7
1394	1	Saddle				0	0	7	1	2.8
1397	1	Saddle	1		1990	33	0	10	1	3.7
1399	1	Saddle	1		1990	33	0	10	1	3.7
1402	1	Saddle	1		1985	38	0	10	1	3.7
1403	1	Saddle	1		1999	24	0	10	1	3.7
1404	1	Saddle	1		1999	24	0	10	1	3.7
1405	1	Saddle	1		1985	38	0	10	1	3.7
1408	1	Saddle	1		1999	24	0	10	1	3.7
1409	1	Saddle	1		1969	54	0	10	1	3.7
1410	1	Saddle	1		1990	33	0	10	1	3.7
1415	1	Saddle	1		1985	38	0	10	1	3.7
1418	1	Saddle	1		1969	54	0	10	1	3.7
1419	1	Saddle	1		1999	24	0	10	1	3.7
1420	1	Saddle	1		1999	24	0	10	1	3.7
1421	1	Saddle	1		1969	54	0	10	1	3.7
1422	1	Saddle	1		1999	24	0	10	1	3.7
1423	1	Saddle	1		1999	24	0	10	1	3.7
1426	1	Saddle	1		1999	24	0	10	1	3.7
1427	1	Saddle	1		1985	38	0	10	1	3.7
1428	1	Saddle	1		1999	24	0	10	1	3.7
1429	1	Saddle	1	STAINLESSSTEEL	2005	18	0	10	1	3.7
1432	1	Saddle	1		1990	33	0	10	1	3.7
1436	1	Saddle	1		1969	54	Corrosion	10	10	10
1438	1	Saddle	1		1969	54	Corrosion	10	10	10
1439	1	Saddle	1		1969	54	Corrosion	10	10	10
1440	1	Saddle	1		1969	54	Corrosion	10	10	10
1441	1	Saddle	1		1969	54	Corrosion	10	10	10
1446	1	Saddle	1		1969	54	Corrosion	10	10	10
1447	1	Saddle	1		1969	54	Corrosion	10	10	10
1448	1	Saddle	1		1969	54	Corrosion	10	10	10
1450	1	Saddle	1		1969	54	Corrosion	10	10	10
1451	1	Saddle	1		1969	54	Corrosion	10	10	10
1454	1	Saddle	1		1969	54	Corrosion	10	10	10
1457	1	Saddle	1		1969	54	Corrosion	10	10	10
1460	1	Saddle	1		1969	54	Corrosion	10	10	10
1462	1	Saddle	1		1969	54	Corrosion	10	10	10
1463	1	Saddle	1		1969	54	Corrosion	10	10	10
1466	1	Saddle	1		1969	54	Corrosion	10	10	10
1467	1	Saddle	1		1969	54	Corrosion	10	10	10
1468	1	Saddle	1		1999	24	0	10	1	3.7
1469	1	Saddle	2		1999	24	0	10	1	3.7
1470	1	Saddle	1		1999	24	0	10	1	3.7
1471	1	Saddle	1		1999	24	0	10	1	3.7
1472	1	Saddle	1		1999	24	0	10	1	3.7
1474	1	Saddle	1		1999	24	0	10	1	3.7
1475	1	Saddle	2		1999	24	0	10	1	3.7
1476	1	Saddle	1		1999	24	0	10	1	3.7
1478	1	Saddle	1		1999	24	0	10	1	3.7
1479	1	Saddle	1		1999	24	0	10	1	3.7
1480	1	Saddle	1		1999	24	0	10	1	3.7
1481	1	Saddle	1		1996	27	0	10	1	3.7
1482	1	Saddle	1.5		2018	5	0	1	1	1
1483	1	Saddle	1.5		1999	24	0	10	1	3.7
1484	1	Saddle	1		1996	27	0	10	1	3.7
1485	1	Saddle	1		1999	24	0	10	1	3.7
1487	1	Saddle	2		1999	24	0	10	1	3.7
1488	1	Saddle	1		1999	24	0	10	1	3.7
1489	1	Saddle	1		1999	24	0	10	1	3.7
1490	1	Saddle	1		1999	24	0	10	1	3.7
1491	1	Saddle	1		1996	27	0	10	1	3.7
1493	1	Saddle	1		1999	24	0	10	1	3.7
1496	1	Saddle	2		2011	12	0	10	1	3.7
1497	1	Saddle	1		1999	24	0	10	1	3.7
1498	1	Saddle	1		1998	25	0	10	1	3.7
1499	1	Saddle	1		1998	25	0	10	1	3.7
1500	1	Saddle	1		1998	25	0	10	1	3.7
1501	1	Saddle	1		1998	25	0	10	1	3.7
1503	1	Saddle	1		1999	24	0	10	1	3.7
1505	1	Saddle	2		1999	24	0	10	1	3.7
1506	1	Saddle	1		1999	24	0	10	1	3.7
1508	1	Saddle				0	0	7	1	2.8

1509	1	Saddle	1	1998	25	0	10	1	3.7
1510	1	Saddle	1	1998	25	0	10	1	3.7
1511	1	Saddle	1	1998	25	0	10	1	3.7
1512	1	Saddle	1		0	0	7	1	2.8
1513	1	Saddle	2	2007	16	0	10	1	3.7
1514	1	Saddle	1		0	0	7	1	2.8
1515	1	Saddle	1	1996	27	0	10	1	3.7
1516	1	Saddle	2	2020	3	0	1	1	1
1517	1	Saddle	1	1998	25	0	10	1	3.7
1518	1	Saddle	1	1996	27	0	10	1	3.7
1522	1	Saddle	1	1999	24	0	10	1	3.7
1524	1	Saddle	1	1999	24	0	10	1	3.7
1525	1	Saddle	1	1998	25	0	10	1	3.7
1526	1	Saddle	1	1998	25	0	10	1	3.7
1527	1	Saddle	1	1998	25	0	10	1	3.7
1528	1	Saddle	1	1998	25	0	10	1	3.7
1529	1	Saddle	1	1999	24	0	10	1	3.7
1530	1	Saddle	1	1998	25	0	10	1	3.7
1531	1	Saddle	1	1998	25	0	10	1	3.7
1532	1	Saddle	2	2019	4	0	1	1	1
1534	1	Saddle	1	1999	24	0	10	1	3.7
1535	1	Saddle	1		0	0	7	1	2.8
1539	1	Saddle	1	1985	38	0	10	1	3.7
1541	1	Saddle	1	1985	38	0	10	1	3.7
1543	1	Saddle	1	1998	25	0	10	1	3.7
1544	1	Saddle	1	1985	38	0	10	1	3.7
1545	1	Saddle	1	1998	25	0	10	1	3.7
1546	1	Saddle	1	1985	38	0	10	1	3.7
1547	1	Saddle	1	1998	25	0	10	1	3.7
1548	1	Saddle	1	1998	25	0	10	1	3.7
1550	1	Saddle	1	1998	25	0	10	1	3.7
1552	1	Saddle	1	1998	25	0	10	1	3.7
1554	1	Saddle	1	1998	25	0	10	1	3.7
1555	1	Saddle	1	1998	25	0	10	1	3.7
1556	1	Saddle	1	1998	25	0	10	1	3.7
1557	1	Saddle	1	1998	25	0	10	1	3.7
1559	1	Saddle	1	1985	38	0	10	1	3.7
1560	1	Saddle	1	1998	25	0	10	1	3.7
1561	1	Saddle	1	1998	25	0	10	1	3.7
1562	1	Saddle	1	1998	25	0	10	1	3.7
1563	1	Saddle	1	1998	25	0	10	1	3.7
1565	1	Saddle	1	1985	38	0	10	1	3.7
1566	1	Saddle	1	1998	25	0	10	1	3.7
1567	1	Saddle	1	1985	38	0	10	1	3.7
1568	1	Saddle	1	1998	25	0	10	1	3.7
1569	1	Saddle	1	1998	25	0	10	1	3.7
1570	1	Saddle	1	1998	25	0	10	1	3.7
1571	1	Saddle			0	0	7	1	2.8
1575	1	Saddle	1	1998	25	0	10	1	3.7
1576	1	Saddle	1	1998	25	0	10	1	3.7
1577	1	Saddle	1	1985	38	0	10	1	3.7
1578	1	Saddle	1	1998	25	0	10	1	3.7
1579	1	Saddle	1	1998	25	0	10	1	3.7
1580	1	Saddle	1	1998	25	0	10	1	3.7
1582	1	Saddle	1	1999	24	0	10	1	3.7
1583	1	Saddle	1	1999	24	0	10	1	3.7
1584	1	Saddle	1	1998	25	0	10	1	3.7
1585	1	Saddle	1	1998	25	0	10	1	3.7
1586	1	Saddle	1	1998	25	0	10	1	3.7
1588	1	Saddle	1	1998	25	0	10	1	3.7
1589	1	Saddle	1	1998	25	0	10	1	3.7
1590	1	Saddle	1	1998	25	0	10	1	3.7
1592	1	Saddle	1	1998	25	0	10	1	3.7
1596	1	Saddle	2	2020	3	0	1	1	1
1597	1	Saddle	1	1998	25	0	10	1	3.7
1598	1	Saddle	1	1998	25	0	10	1	3.7
1599	1	Saddle	1	1998	25	0	10	1	3.7
1600	1	Saddle	1	1998	25	0	10	1	3.7
1608	1	Saddle	1	1978	45	0	10	1	3.7
1609	1	Saddle	1	1978	45	0	10	1	3.7
1610	1	Saddle	1	1969	54	0	10	1	3.7
1611	1	Saddle	1	1969	54	0	10	1	3.7
1614	1	Saddle	1	1969	54	0	10	1	3.7
1615	1	Saddle	1	1969	54	0	10	1	3.7
1616	1	Saddle	1	1969	54	0	10	1	3.7
1622	1	Saddle	1	1969	54	0	10	1	3.7
1623	1	Saddle	1	1969	54	0	10	1	3.7
1624	1	Saddle	1	1969	54	0	10	1	3.7
1628	1	Saddle	1	1969	54	0	10	1	3.7
1629	1	Saddle	1	1969	54	0	10	1	3.7
1633	1	Saddle	1	1969	54	0	10	1	3.7
1634	1	Saddle	1	1969	54	0	10	1	3.7
1635	1	Saddle	1		0	0	7	1	2.8
1638	1	Saddle	1	1969	54	0	10	1	3.7
1639	1	Saddle	1	1969	54	0	10	1	3.7
1641	1	Saddle	1	1969	54	0	10	1	3.7
1645	1	Saddle	1	1969	54	0	10	1	3.7
1648	1	Saddle	1	1969	54	0	10	1	3.7
1650	1	Saddle	1	1969	54	0	10	1	3.7
1652	1	Saddle	1	1969	54	0	10	1	3.7
1655	1	Saddle	1	1969	54	0	10	1	3.7
1658	1	Saddle	1	1969	54	0	10	1	3.7

1659	1	Saddle	1	1969	54	0	10	1	3.7
1661	1	Saddle	1	1969	54	0	10	1	3.7
1665	1	Saddle	1	1969	54	0	10	1	3.7
1670	1	Saddle	1	1969	54	0	10	1	3.7
1673	1	Saddle	1	1969	54	0	10	1	3.7
1674	1	Saddle	1	1969	54	0	10	1	3.7
1675	1	Saddle	1	1969	54	0	10	1	3.7
1676	1	Saddle	1	1969	54	0	10	1	3.7
1678	1	Saddle	1	1969	54	0	10	1	3.7
1681	1	Saddle	1	1969	54	0	10	1	3.7
1683	1	Saddle	1	1969	54	0	10	1	3.7
1684	1	Saddle	1	1969	54	0	10	1	3.7
1686	1	Saddle	1	1969	54	0	10	1	3.7
1689	1	Saddle	1	1969	54	0	10	1	3.7
1691	1	Saddle	1	1969	54	0	10	1	3.7
1695	1	Saddle	1	1969	54	0	10	1	3.7
1699	1	Saddle	1	1969	54	0	10	1	3.7
1700	1	Saddle	1	1969	54	0	10	1	3.7
1701	1	Saddle	1	1969	54	0	10	1	3.7
1702	1	Saddle	1	1969	54	0	10	1	3.7
1705	1	Saddle	1	1969	54	0	10	1	3.7
1711	1	Saddle	1	1969	54	0	10	1	3.7
1712	1	Saddle	1	1969	54	0	10	1	3.7
1713	1	Saddle	1	1969	54	0	10	1	3.7
1714	1	Saddle	1	1969	54	0	10	1	3.7
1715	1	Saddle	2		0	0	7	1	2.8
1719	1	Saddle	1	1969	54	0	10	1	3.7
1722	1	Saddle	1	1969	54	0	10	1	3.7
1724	1	Saddle	1	1969	54	0	10	1	3.7
1725	1	Saddle	1	1969	54	0	10	1	3.7
1726	1	Saddle	1	1969	54	0	10	1	3.7
1730	1	Saddle	1	1969	54	0	10	1	3.7
1733	1	Saddle	1	1969	54	0	10	1	3.7
1734	1	Saddle	1	1969	54	0	10	1	3.7
1735	1	Saddle	1	1969	54	0	10	1	3.7
1737	1	Saddle	1	2000	23	0	10	1	3.7
1738	1	Saddle	1	2000	23	0	10	1	3.7
1741	1	Saddle	1	1969	54	0	10	1	3.7
1742	1	Saddle	1	1969	54	0	10	1	3.7
1743	1	Saddle	1	2000	23	0	10	1	3.7
1744	1	Saddle	1	1969	54	0	10	1	3.7
1746	1	Saddle	1	1969	54	0	10	1	3.7
1748	1	Saddle	1		0	0	7	1	2.8
1749	1	Saddle	1	2004	19	0	10	1	3.7
1752	1	Saddle	1		0	0	7	1	2.8
1754	1	Saddle	1	1983	40	0	10	1	3.7
1755	1	Saddle	1	2004	19	0	10	1	3.7
1756	1	Saddle	1	2004	19	0	10	1	3.7
1758	1	Saddle	1	0	2023	0	10	1	3.7
1761	1	Saddle	1	0	2023	0	10	1	3.7
1763	1	Saddle	1	2004	19	0	10	1	3.7
1764	1	Saddle	1	2004	19	0	10	1	3.7
1766	1	Saddle	1		0	0	7	1	2.8
1770	1	Saddle	1	1967	56	0	10	1	3.7
1771	1	Saddle	1	2004	19	0	10	1	3.7
1772	1	Saddle	1	2004	19	0	10	1	3.7
1774	1	Saddle	1	1967	56	0	10	1	3.7
1777	1	Saddle	1	1967	56	0	10	1	3.7
1780	1	Saddle	1	1967	56	0	10	1	3.7
1783	1	Saddle	1	0	2023	0	10	1	3.7
1786	1	Saddle	1	2004	19	0	10	1	3.7
1787	1	Saddle	1	0	2023	0	10	1	3.7
1788	1	Saddle	1	2004	19	0	10	1	3.7
1790	1	Saddle	1		0	0	7	1	2.8
1793	1	Saddle	1	2004	19	0	10	1	3.7
1794	1	Saddle	1	2004	19	0	10	1	3.7
1795	1	Saddle	1	2004	19	0	10	1	3.7
1796	1	Saddle	1		0	0	7	1	2.8
1798	1	Saddle	1		0	0	7	1	2.8
1800	1	Saddle	1	1997	26	0	10	1	3.7
1803	1	Saddle	1		0	0	7	1	2.8
1806	1	Saddle	2	1997	26	0	10	1	3.7
1809	1	Saddle	1		0	0	7	1	2.8
1811	1	Saddle	1	1994	29	0	10	1	3.7
1814	1	Saddle	1		0	0	7	1	2.8
1815	1	Saddle	1	1994	29	0	10	1	3.7
1817	1	Saddle	1	1994	29	0	10	1	3.7
1819	1	Saddle	1		0	0	7	1	2.8
1821	1	Saddle	1		0	0	7	1	2.8
1823	1	Saddle	1		0	0	7	1	2.8
1824	1	Saddle	1	1994	29	0	10	1	3.7
1826	1	Saddle	1		0	0	7	1	2.8
1827	1	Saddle	1	1994	29	0	10	1	3.7
1829	1	Saddle	1		0	0	7	1	2.8
1833	1	Saddle	1	1994	29	0	10	1	3.7
1835	1	Saddle	1	1994	29	0	10	1	3.7
1840	1	Saddle	1	2002	21	0	10	1	3.7
1841	1	Saddle	1	2002	21	0	10	1	3.7
1845	1	Saddle	1	2002	21	0	10	1	3.7
1846	1	Saddle	1	2002	21	0	10	1	3.7
1847	1	Saddle	1	2002	21	0	10	1	3.7
1848	1	Saddle	1		0	0	7	1	2.8

1850	1	Saddle	1	2002	21	0	10	1	3.7
1851	1	Saddle	1	2002	21	0	10	1	3.7
1852	1	Saddle	1	2002	21	0	10	1	3.7
1858	1	Saddle			0	0	7	1	2.8
1859	1	Saddle			0	0	7	1	2.8
1860	1	Saddle			0	0	7	1	2.8
1863	1	Saddle			0	0	7	1	2.8
1864	1	Saddle	2	2020	3	0	1	1	1
1866	1	Saddle	1	2002	21	0	10	1	3.7
1869	1	Saddle			0	0	7	1	2.8
1870	1	Saddle	1	2002	21	0	10	1	3.7
1871	1	Saddle	1	2002	21	0	10	1	3.7
1872	1	Saddle	1	1977	46	0	10	1	3.7
1874	1	Saddle	1	2002	21	0	10	1	3.7
1875	1	Saddle	1	2002	21	0	10	1	3.7
1876	1	Saddle	1	2002	21	0	10	1	3.7
1877	1	Saddle	1	2002	21	0	10	1	3.7
1878	1	Saddle	1	1977	46	0	10	1	3.7
1879	1	Saddle	1	2002	21	0	10	1	3.7
1880	1	Saddle	1	1998	25	0	10	1	3.7
1886	1	Saddle	1	1994	29	0	10	1	3.7
1888	1	Saddle	1	1994	29	0	10	1	3.7
1890	1	Saddle	1	1998	25	0	10	1	3.7
1893	1	Saddle	1.5	1998	25	0	10	1	3.7
1894	1	Saddle	1	1998	25	0	10	1	3.7
1895	1	Saddle	1	2002	21	0	10	1	3.7
1896	1	Saddle		2002	21	0	10	1	3.7
1899	1	Saddle	1	1990	33	0	10	1	3.7
1900	1	Saddle	1	1999	24	0	10	1	3.7
1905	1	Saddle	1	1999	24	0	10	1	3.7
1907	1	Saddle	1	1999	24	0	10	1	3.7
1908	1	Saddle	1	1999	24	0	10	1	3.7
1909	1	Saddle	1	1999	24	0	10	1	3.7
1910	1	Saddle	1	1969	54	0	10	1	3.7
1911	1	Saddle	1	1969	54	0	10	1	3.7
1912	1	Saddle	1	1999	24	0	10	1	3.7
1913	1	Saddle	1	1999	24	0	10	1	3.7
1914	1	Saddle	1	1969	54	0	10	1	3.7
1916	1	Saddle	1	1999	24	0	10	1	3.7
1917	1	Saddle	1	1999	24	0	10	1	3.7
1918	1	Saddle	1	1969	54	0	10	1	3.7
1919	1	Saddle	1	1969	54	0	10	1	3.7
1922	1	Saddle	1	1985	38	0	10	1	3.7
1923	1	Saddle		1983	40	0	10	1	3.7
1929	1	Saddle	1	1969	54	0	10	1	3.7
1931	1	Saddle	1	1990	33	0	10	1	3.7
1934	1	Saddle	1	1988	35	0	10	1	3.7
1936	1	Saddle	1	1988	35	0	10	1	3.7
1937	1	Saddle	1	1969	54	0	10	1	3.7
1938	1	Saddle	1	1988	35	0	10	1	3.7
1939	1	Saddle	1	1969	54	0	10	1	3.7
1940	1	Saddle	1	1988	35	0	10	1	3.7
1942	1	Saddle	1	1983	40	0	10	1	3.7
1943	1	Saddle	1	1988	35	0	10	1	3.7
1947	1	Saddle	1	1969	54	0	10	1	3.7
1948	1	Saddle	1	1988	35	0	10	1	3.7
1949	1	Saddle	1	1988	35	0	10	1	3.7
1953	1	Saddle	1.5	1969	54	0	10	1	3.7
1959	1	Saddle	1	1983	40	Corrosion	10	10	10
1961	1	Saddle	1	1988	35	Corrosion	10	10	10
1962	1	Saddle	1	1983	40	Corrosion	10	10	10
1964	1	Saddle	1	1988	35	Corrosion	10	10	10
1965	1	Saddle	1	1983	40	Corrosion	10	10	10
1966	1	Saddle	1	1988	35	Corrosion	10	10	10
1967	1	Saddle	1	1983	40	Corrosion	10	10	10
1970	1	Saddle	1	1969	54	0	10	1	3.7
1977	1	Saddle	1	1969	54	0	10	1	3.7
1978	1	Saddle	1	1969	54	0	10	1	3.7
1980	1	Saddle	1.5	1969	54	0	10	1	3.7
1981	1	Saddle	1.5	1969	54	0	10	1	3.7
1985	1	Saddle	1	1969	54	Corrosion	10	10	10
1986	1	Saddle	1	1969	54	0	10	1	3.7
1987	1	Saddle	1	1969	54	0	10	1	3.7
1989	1	Saddle	1.5	1969	54	0	10	1	3.7
1991	1	Saddle	1	1969	54	0	10	1	3.7
1994	1	Saddle			0	Corrosion	7	10	9.1
1995	1	Saddle			0	Corrosion	7	10	9.1
1999	1	Saddle	1.5	1969	54	0	10	1	3.7
2000	1	Saddle	1	1969	54	0	10	1	3.7
2005	1	Saddle	1.5	1969	54	0	10	1	3.7
2007	1	Saddle	1	1969	54	Corrosion	10	10	10
2010	1	Saddle	2	2019	4	0	1	1	1
2011	1	Saddle	1	1969	54	0	10	1	3.7
2014	1	Saddle	1	1969	54	0	10	1	3.7
2016	1	Saddle	1	1969	54	Corrosion	10	10	10
2019	1	Saddle	1	1969	54	Corrosion	10	10	10
2020	1	Saddle	1.5	1969	54	0	10	1	3.7
2021	1	Saddle	1	1969	54	Corrosion	10	10	10
2026	1	Saddle	1	1969	54	0	10	1	3.7
2031	1	Saddle	1.5	1969	54	0	10	1	3.7
2035	2	Saddle		1969	54	0	10	1	3.7
2036	1	Saddle	1	1969	54	Corrosion	10	10	10

2038	1	Saddle	1.5	1969	54	0	10	1	3.7
2044	1	Saddle	1	1969	54	Corrosion	10	10	10
2046	1	Saddle	1	1969	54	Corrosion	10	10	10
2047	1	Saddle	1	1969	54	Corrosion	10	10	10
2050	1	Saddle	1		0	Corrosion	7	10	9.1
2051	1	Saddle		1969	54	Corrosion	10	10	10
2054	1	Saddle	1	1969	54	Corrosion	10	10	10
2058	1	Saddle	1	1969	54	Corrosion	10	10	10
2060	1	Saddle	1	1969	54	Corrosion	10	10	10
2062	1	Saddle	1	1969	54	Corrosion	10	10	10
2067	1	Saddle	1	1969	54	Corrosion	10	10	10
2068	1	Saddle	1	1969	54	Corrosion	10	10	10
2069	1	Saddle	1	1969	54	Corrosion	10	10	10
2074	1	Saddle	1	1969	54	Corrosion	10	10	10
2075	1	Saddle	1	1969	54	Corrosion	10	10	10
2077	1	Saddle	2	1969	54	Corrosion	10	10	10
2080	1	Saddle	1	1969	54	Corrosion	10	10	10
2082	1	Saddle	1	1969	54	Corrosion	10	10	10
2083	1	Saddle			0	Corrosion	7	10	9.1
2084	1	Saddle			0	Corrosion	7	10	9.1
2085	1	Saddle			0	Corrosion	7	10	9.1
2087	1	Saddle	1	1969	54	Corrosion	10	10	10
2089	1	Saddle	1	1969	54	Corrosion	10	10	10
2093	1	Saddle	1	1969	54	Corrosion	10	10	10
2094	1	Saddle	1	1969	54	Corrosion	10	10	10
2097	1	Saddle	1	1969	54	Corrosion	10	10	10
2099	1	Saddle	1	1969	54	Corrosion	10	10	10
2101	1	Saddle	1	1969	54	Corrosion	10	10	10
2102	1	Saddle	1	1969	54	Corrosion	10	10	10
2106	1	Saddle	1	1969	54	Corrosion	10	10	10
2107	1	Saddle	1	1969	54	Corrosion	10	10	10
2108	1	Saddle	1	1969	54	Corrosion	10	10	10
2110	1	Saddle	1	1969	54	Corrosion	10	10	10
2113	1	Saddle	1	1969	54	Corrosion	10	10	10
2115	1	Saddle	1	1969	54	Corrosion	10	10	10
2117	1	Saddle	1	1969	54	Corrosion	10	10	10
2121	1	Saddle	1	1969	54	Corrosion	10	10	10
2123	1	Saddle	1	1969	54	Corrosion	10	10	10
2124	1	Saddle		1969	54	Corrosion	10	10	10
2126	1	Saddle	1	1969	54	Corrosion	10	10	10
2128	1	Saddle	2	2019	4	Corrosion	1	10	7.3
2132	1	Saddle	1	1969	54	Corrosion	10	10	10
2133	1	Saddle	1	1969	54	Corrosion	10	10	10
2134	1	Saddle	1	1969	54	Corrosion	10	10	10
2139	1	Saddle	1	1969	54	Corrosion	10	10	10
2142	1	Saddle	1	2007	16	Corrosion	10	10	10
2144	1	Saddle	1	1969	54	Corrosion	10	10	10
2145	1	Saddle	1	1969	54	Corrosion	10	10	10
2147	1	Saddle	1	1969	54	Corrosion	10	10	10
2149	1	Saddle	1	1969	54	Corrosion	10	10	10
2154	1	Saddle	1	1969	54	Corrosion	10	10	10
2155	1	Saddle	1	1969	54	Corrosion	10	10	10
2157	1	Saddle		1969	54	Corrosion	10	10	10
2159	1	Saddle	1		0	Corrosion	7	10	9.1
2162	1	Saddle	1	1969	54	Corrosion	10	10	10
2163	1	Saddle	1	1969	54	Corrosion	10	10	10
2166	1	Saddle	1	1969	54	Corrosion	10	10	10
2167	1	Saddle	1	1969	54	Corrosion	10	10	10
2168	1	Saddle	1	1969	54	Corrosion	10	10	10
2173	1	Saddle	1	1969	54	Corrosion	10	10	10
2175	1	Saddle	1	1969	54	Corrosion	10	10	10
2176	1	Saddle	1	1969	54	Corrosion	10	10	10
2179	1	Saddle	1	1969	54	Corrosion	10	10	10
2182	1	Saddle	1	1969	54	Corrosion	10	10	10
2184	1	Saddle	1	1969	54	Corrosion	10	10	10
2185	1	Saddle	1	1969	54	Corrosion	10	10	10
2189	1	Saddle	1	1969	54	Corrosion	10	10	10
2190	1	Saddle	1	1969	54	Corrosion	10	10	10
2194	1	Saddle	1	1969	54	Corrosion	10	10	10
2195	1	Saddle	1	1969	54	Corrosion	10	10	10
2200	1	Saddle	1	1969	54	Corrosion	10	10	10
2202	1	Saddle	1	1969	54	Corrosion	10	10	10
2204	1	Saddle	1	1969	54	Corrosion	10	10	10
2205	1	Saddle	1	1969	54	Corrosion	10	10	10
2208	1	Saddle	1	2022	1	Corrosion	1	10	7.3
2211	1	Saddle	1	1969	54	Corrosion	10	10	10
2212	1	Saddle	1	1969	54	Corrosion	10	10	10
2214	1	Saddle	1	1969	54	Corrosion	10	10	10
2221	1	Saddle	1	1969	54	Corrosion	10	10	10
2223	1	Saddle	1	1969	54	Corrosion	10	10	10
2225	1	Saddle	1	1983	40	0	10	1	3.7
2227	1	Saddle	1	1999	24	0	10	1	3.7
2232	1	Saddle	1	1983	40	0	10	1	3.7
2234	1	Saddle	1	1978	45	0	10	1	3.7
2235	1	Saddle	1	1978	45	0	10	1	3.7
2236	1	Saddle	1	1983	40	0	10	1	3.7
2238	1	Saddle	1	1978	45	0	10	1	3.7
2240	1	Saddle	1		0	0	7	1	2.8
2241	1	Saddle	1	1978	45	0	10	1	3.7
2243	1	Saddle	1		0	0	7	1	2.8
2249	1	Saddle	1	1983	40	0	10	1	3.7
2253	1	Saddle	1	1983	40	0	10	1	3.7

2259	1	Saddle	1	1978	45	0	10	1	3.7
2262	1	Saddle	1	1999	24	0	10	1	3.7
2263	1	Saddle	1	1978	45	0	10	1	3.7
2264	1	Saddle	2		0	0	7	1	2.8
2265	1	Saddle			0	0	7	1	2.8
2266	1	Saddle	1	1983	40	0	10	1	3.7
2267	1	Saddle	1	1978	45	0	10	1	3.7
2269	1	Saddle	1	1978	45	0	10	1	3.7
2270	1	Saddle	1	1978	45	0	10	1	3.7
2272	1	Saddle	1	1978	45	0	10	1	3.7
2275	1	Saddle	1	1978	45	0	10	1	3.7
2277	1	Saddle	1	1978	45	0	10	1	3.7
2281	1	Saddle	1	1978	45	0	10	1	3.7
2282	1	Saddle	1		0	0	7	1	2.8
2283	1	Saddle	1	1978	45	0	10	1	3.7
2284	1	Saddle	2	2022	1	0	1	1	1
2285	1	Saddle	1		0	0	7	1	2.8
2286	1	Saddle	1	1998	25	0	10	1	3.7
2289	1	Saddle	1	1978	45	0	10	1	3.7
2290	1	Saddle	1	1998	25	0	10	1	3.7
2292	1	Saddle	1	1978	45	0	10	1	3.7
2293	1	Saddle	1	1978	45	0	10	1	3.7
2296	1	Saddle	1	1992	31	0	10	1	3.7
2299	1	Saddle	2	1985	38	0	10	1	3.7
2300	1	Saddle	1	1992	31	0	10	1	3.7
2302	1	Saddle	1	1998	25	0	10	1	3.7
2303	1	Saddle	1	1992	31	0	10	1	3.7
2304	1	Saddle	1	1998	25	0	10	1	3.7
2305	1	Saddle	1	1998	25	0	10	1	3.7
2306	1	Saddle	1	1998	25	0	10	1	3.7
2310	1	Saddle	1	1992	31	0	10	1	3.7
2311	1	Saddle	1	1992	31	0	10	1	3.7
2313	1	Saddle	1	1998	25	0	10	1	3.7
2314	1	Saddle	1	1998	25	0	10	1	3.7
2315	1	Saddle	1	1998	25	0	10	1	3.7
2316	1	Saddle	1	1998	25	0	10	1	3.7
2317	1	Saddle	1	1998	25	0	10	1	3.7
2318	1	Saddle	1	1998	25	0	10	1	3.7
2319	1	Saddle	1	1998	25	0	10	1	3.7
2320	1	Saddle	1	1998	25	0	10	1	3.7
2321	1	Saddle	1	1992	31	0	10	1	3.7
2322	1	Saddle	1	1998	25	0	10	1	3.7
2325	1	Saddle	1	1998	25	0	10	1	3.7
2327	1	Saddle	1	1998	25	0	10	1	3.7
2328	1	Saddle	1	1998	25	0	10	1	3.7
2330	1	Saddle	1	1998	25	0	10	1	3.7
2331	1	Saddle	1	1998	25	0	10	1	3.7
2332	1	Saddle	1	1998	25	0	10	1	3.7
2333	1	Saddle	1	1998	25	0	10	1	3.7
2334	1	Saddle	1	1998	25	0	10	1	3.7
2336	1	Saddle	1	1998	25	0	10	1	3.7
2337	1	Saddle	1	1998	25	0	10	1	3.7
2340	1	Saddle	2	1985	38	0	10	1	3.7
2341	1	Saddle	1	1998	25	0	10	1	3.7
2342	1	Saddle	1	1998	25	0	10	1	3.7
2343	1	Saddle	1	1996	27	0	10	1	3.7
2344	1	Saddle	1	1996	27	0	10	1	3.7
2346	1	Saddle	1	1996	27	0	10	1	3.7
2347	1	Saddle	1	1996	27	0	10	1	3.7
2349	1	Saddle	1	1996	27	0	10	1	3.7
2350	1	Saddle	1	1996	27	0	10	1	3.7
2351	1	Saddle	1	1996	27	0	10	1	3.7
2352	1	Saddle	1	1996	27	0	10	1	3.7
2353	1	Saddle	1	1996	27	0	10	1	3.7
2354	1	Saddle	1	1996	27	0	10	1	3.7
2355	1	Saddle	1	1996	27	0	10	1	3.7
2357	1	Saddle	1	1996	27	0	10	1	3.7
2358	1	Saddle	1	1996	27	0	10	1	3.7
2359	1	Saddle	1	1996	27	0	10	1	3.7
2360	1	Saddle	1	1996	27	0	10	1	3.7
2364	1	Saddle	1	1996	27	0	10	1	3.7
2365	1	Saddle	1	1996	27	0	10	1	3.7
2366	1	Saddle	1	1996	27	0	10	1	3.7
2367	1	Saddle	1	1996	27	0	10	1	3.7
2369	1	Saddle	1		0	0	7	1	2.8
2370	1	Saddle	1		0	0	7	1	2.8
2371	1	Saddle	1		0	0	7	1	2.8
2372	1	Saddle	1		0	0	7	1	2.8
2373	1	Saddle	1		0	0	7	1	2.8
2376	1	Saddle	1		0	0	7	1	2.8
2377	1	Saddle		2003	20	0	10	1	3.7
2378	1	Saddle	2	1978	45	0	10	1	3.7
2379	1	Saddle			0	0	7	1	2.8
2381	1	Saddle	2	1978	45	0	10	1	3.7
2383	1	Saddle		1978	45	0	10	1	3.7
2390	1	Saddle	1	1988	35	0	10	1	3.7
2392	1	Saddle	1	2004	19	0	10	1	3.7
2393	1	Saddle	1	1983	40	0	10	1	3.7
2397	1	Saddle	1	1988	35	0	10	1	3.7
2398	1	Saddle	1	1983	40	0	10	1	3.7
2402	1	Saddle	1	1983	40	0	10	1	3.7
2403	1	Saddle	1	2004	19	0	10	1	3.7

2405	1	Saddle	1	1983	40	0	10	1	3.7
2406	1	Saddle	1	2004	19	0	10	1	3.7
2409	1	Saddle	1	1983	40	0	10	1	3.7
2410	1	Saddle	1	2004	19	0	10	1	3.7
2411	1	Saddle	1.5	0	2023	0	10	1	3.7
2412	1	Saddle	1	0	2023	0	10	1	3.7
2413	1	Saddle	1	0	2023	0	10	1	3.7
2414	1	Saddle	1	1988	35	0	10	1	3.7
2421	1	Saddle	1	1983	40	0	10	1	3.7
2422	1	Saddle	1	1985	38	0	10	1	3.7
2425	1	Saddle	1	1983	40	0	10	1	3.7
2426	1	Saddle	1		0	0	7	1	2.8
2427	1	Saddle	1		0	0	7	1	2.8
2430	1	Saddle	1	1985	38	0	10	1	3.7
2432	1	Saddle			0	0	7	1	2.8
2433	1	Saddle	1		0	0	7	1	2.8
2434	1	Saddle	1		0	0	7	1	2.8
2437	1	Saddle	1	1988	35	0	10	1	3.7
2439	1	Saddle	1	1988	35	0	10	1	3.7
2441	1	Saddle	1	1983	40	0	10	1	3.7
2444	1	Saddle	1		0	0	7	1	2.8
2445	1	Saddle	1	1988	35	0	10	1	3.7
2446	1	Saddle	1	1983	40	0	10	1	3.7
2447	1	Saddle	1	1988	35	0	10	1	3.7
2448	1	Saddle			0	0	7	1	2.8
2449	1	Saddle	1		0	0	7	1	2.8
2454	1	Saddle	1	1977	46	0	10	1	3.7
2455	1	Saddle	1	1977	46	0	10	1	3.7
2459	1	Saddle	1	1977	46	0	10	1	3.7
2460	1	Saddle	1		0	0	7	1	2.8
2461	1	Saddle	1	1983	40	0	10	1	3.7
2464	1	Saddle	1	1977	46	0	10	1	3.7
2465	1	Saddle	1	1977	46	0	10	1	3.7
2472	1	Saddle	1	1987	36	0	10	1	3.7
2475	1	Saddle	1	1983	40	0	10	1	3.7
2478	1	Saddle	1	1987	36	0	10	1	3.7
2479	1	Saddle			0	0	7	1	2.8
2485	1	Saddle	1	1977	46	0	10	1	3.7
2486	1	Saddle	1	1977	46	0	10	1	3.7
2490	1	Saddle	1	1977	46	0	10	1	3.7
2492	1	Saddle	1	1977	46	0	10	1	3.7
2494	1	Saddle	1	1977	46	0	10	1	3.7
2496	1	Saddle	1	1977	46	0	10	1	3.7
2498	1	Saddle	1	1977	46	0	10	1	3.7
2499	1	Saddle	1	1977	46	0	10	1	3.7
2504	1	Saddle	1	1977	46	0	10	1	3.7
2506	1	Saddle	1	1990	33	0	10	1	3.7
2510	1	Saddle	1	1969	54	0	10	1	3.7
2511	1	Saddle	1	1969	54	0	10	1	3.7
2513	1	Saddle	1	1985	38	0	10	1	3.7
2514	1	Saddle	1	1985	38	0	10	1	3.7
2521	1	Saddle	2	2022	1	Corrosion	1	10	7.3
2523	1	Saddle	1	1969	54	Corrosion	10	10	10
2526	1	Saddle	1	1969	54	Corrosion	10	10	10
2530	1	Saddle	1	1969	54	Corrosion	10	10	10
2531	1	Saddle	1	1969	54	Corrosion	10	10	10
2538	1	Saddle	1	1969	54	Corrosion	10	10	10
2540	1	Saddle	1	1969	54	Corrosion	10	10	10
2542	1	Saddle	1	1969	54	Corrosion	10	10	10
2543	1	Saddle	1	1969	54	Corrosion	10	10	10
2544	1	Saddle	1	1969	54	Corrosion	10	10	10
2545	1	Saddle	1	1969	54	Corrosion	10	10	10
2546	1	Saddle	1	1969	54	Corrosion	10	10	10
2548	1	Saddle	1	1969	54	Corrosion	10	10	10
2553	1	Saddle	1	1969	54	Corrosion	10	10	10
2555	1	Saddle	1	1969	54	Corrosion	10	10	10
2557	1	Saddle	1	1969	54	Corrosion	10	10	10
2561	1	Saddle	1	1969	54	Corrosion	10	10	10
2563	1	Saddle	1	1969	54	Corrosion	10	10	10
2565	1	Saddle	1	1969	54	Corrosion	10	10	10
2566	1	Saddle	1	1969	54	Corrosion	10	10	10
2567	1	Saddle	1	1969	54	Corrosion	10	10	10
2568	1	Saddle	1	1969	54	Corrosion	10	10	10
2570	1	Saddle	1	1969	54	Corrosion	10	10	10
2572	1	Saddle	1	1969	54	Corrosion	10	10	10
2573	1	Saddle	1	1969	54	Corrosion	10	10	10
2582	1	Saddle	1	1969	54	Corrosion	10	10	10
2583	1	Saddle	1	1969	54	Corrosion	10	10	10
2586	1	Saddle	1	1969	54	Corrosion	10	10	10
2592	1	Saddle	1	1969	54	Corrosion	10	10	10
2595	1	Saddle	1	1969	54	Corrosion	10	10	10
2599	1	Saddle	1	1969	54	Corrosion	10	10	10
2600	1	Saddle		1969	54	Corrosion	10	10	10
2601	1	Saddle	1	1969	54	Corrosion	10	10	10
2604	1	Saddle			0	Corrosion	7	10	9.1
2608	1	Saddle	1	1969	54	Corrosion	10	10	10
2609	1	Saddle	1	1969	54	Corrosion	10	10	10
2610	1	Saddle	2	1969	54	Corrosion	10	10	10
2611	1	Saddle	1	1969	54	Corrosion	10	10	10
2612	1	Saddle	1	1969	54	Corrosion	10	10	10
2613	1	Saddle	1		0	Corrosion	7	10	9.1
2616	1	Saddle	1	1969	54	Corrosion	10	10	10

2617	1	Saddle	1	1969	54	Corrosion	10	10	10
2619	1	Saddle	1	1969	54	Corrosion	10	10	10
2623	1	Saddle	1	2007	16	Corrosion	10	10	10
2624	1	Saddle	1	1969	54	Corrosion	10	10	10
2627	1	Saddle	1	1969	54	Corrosion	10	10	10
2631	1	Saddle	1	1969	54	Corrosion	10	10	10
2632	1	Saddle	1	1969	54	Corrosion	10	10	10
2635	1	Saddle	1	1969	54	Corrosion	10	10	10
2636	1	Saddle	1	1969	54	Corrosion	10	10	10
2638	1	Saddle	1	1969	54	Corrosion	10	10	10
2640	1	Saddle	1	1969	54	Corrosion	10	10	10
2641	1	Saddle	1	1969	54	Corrosion	10	10	10
2646	1	Saddle	1	1969	54	Corrosion	10	10	10
2647	1	Saddle	1	1969	54	Corrosion	10	10	10
2649	1	Saddle	1	1969	54	Corrosion	10	10	10
2653	1	Saddle	1	1969	54	Corrosion	10	10	10
2655	1	Saddle	1	1969	54	Corrosion	10	10	10
2656	1	Saddle	1	1969	54	Corrosion	10	10	10
2657	1	Saddle	1	1969	54	Corrosion	10	10	10
2658	1	Saddle	1	1969	54	Corrosion	10	10	10
2660	1	Saddle	1	1969	54	Corrosion	10	10	10
2661	1	Saddle	1	1969	54	Corrosion	10	10	10
2665	1	Saddle	1	1969	54	Corrosion	10	10	10
2666	1	Saddle	1	1969	54	Corrosion	10	10	10
2671	1	Saddle	1	1969	54	Corrosion	10	10	10
2672	1	Saddle	1	1969	54	Corrosion	10	10	10
2676	1	Saddle	1	1969	54	Corrosion	10	10	10
2677	1	Saddle	1	1969	54	Corrosion	10	10	10
2680	1	Saddle	1	1969	54	Corrosion	10	10	10
2685	1	Saddle	1	1969	54	Corrosion	10	10	10
2686	1	Saddle	1	1969	54	Corrosion	10	10	10
2688	1	Saddle	1	1969	54	Corrosion	10	10	10
2690	1	Saddle	1	1969	54	Corrosion	10	10	10
2693	1	Saddle	1	1969	54	Corrosion	10	10	10
2696	1	Saddle	1	1969	54	Corrosion	10	10	10
2698	1	Saddle	1	1969	54	Corrosion	10	10	10
2702	1	Saddle	1	1969	54	Corrosion	10	10	10
2703	1	Saddle	1	1969	54	Corrosion	10	10	10
2707	1	Saddle	1	1969	54	Corrosion	10	10	10
2709	1	Saddle	1	1969	54	Corrosion	10	10	10
2710	1	Saddle	1	1969	54	Corrosion	10	10	10
2714	1	Saddle	1	1969	54	Corrosion	10	10	10
2717	1	Saddle	1	1969	54	0	10	1	3.7
2719	1	Saddle	1	1969	54	0	10	1	3.7
2720	1	Saddle	1	1969	54	0	10	1	3.7
2725	1	Saddle	1	1969	54	Corrosion	10	10	10
2727	1	Saddle	1	1969	54	0	10	1	3.7
2728	1	Saddle	1	1969	54	0	10	1	3.7
2731	1	Saddle	1	1969	54	Corrosion	10	10	10
2732	1	Saddle	1	1969	54	0	10	1	3.7
2735	1	Saddle	1	1969	54	Corrosion	10	10	10
2739	1	Saddle	1	1969	54	Corrosion	10	10	10
2742	1	Saddle	1	1969	54	Corrosion	10	10	10
2743	1	Saddle	1	1969	54	0	10	1	3.7
2746	1	Saddle	1	1969	54	0	10	1	3.7
2750	1	Saddle		1969	54	Corrosion	10	10	10
2751	1	Saddle	1	1969	54	Corrosion	10	10	10
2756	1	Saddle	1	1969	54	0	10	1	3.7
2757	1	Saddle	1	1969	54	0	10	1	3.7
2758	1	Saddle	1	1969	54	Corrosion	10	10	10
2759	1	Saddle	1	1969	54	Corrosion	10	10	10
2763	1	Saddle	1	1969	54	Corrosion	10	10	10
2764	1	Saddle	1	1969	54	0	10	1	3.7
2768	1	Saddle	1	1969	54	Corrosion	10	10	10
2770	1	Saddle	1	1969	54	Corrosion	10	10	10
2771	1	Saddle	1	1969	54	Corrosion	10	10	10
2772	1	Saddle	1	1969	54	0	10	1	3.7
2776	1	Saddle	1	1969	54	0	10	1	3.7
2777	1	Saddle	1	1969	54	Corrosion	10	10	10
2782	1	Saddle	1	1969	54	0	10	1	3.7
2784	1	Saddle	1	1969	54	Corrosion	10	10	10
2785	1	Saddle	1	1969	54	0	10	1	3.7
2788	1	Saddle	1	1969	54	Corrosion	10	10	10
2792	1	Saddle	1	1969	54	0	10	1	3.7
2793	1	Saddle	1	1969	54	Corrosion	10	10	10
2794	1	Saddle	1	1969	54	Corrosion	10	10	10
2796	1	Saddle	1	1969	54	Corrosion	10	10	10
2798	1	Saddle	1	1969	54	Corrosion	10	10	10
2801	1	Saddle	1	1969	54	Corrosion	10	10	10
2803	1	Saddle	1	1969	54	Corrosion	10	10	10
2805	1	Saddle	1	1969	54	Corrosion	10	10	10
2810	1	Saddle	1	1969	54	0	10	1	3.7
2811	1	Saddle	1	1969	54	0	10	1	3.7
2813	1	Saddle	1	1969	54	0	10	1	3.7
2814	1	Saddle	1	1969	54	0	10	1	3.7
2815	1	Saddle	1	1969	54	0	10	1	3.7
2816	1	Saddle	1	1969	54	0	10	1	3.7
2818	1	Saddle	1	1969	54	0	10	1	3.7
2826	1	Saddle	1	1969	54	0	10	1	3.7
2827	1	Saddle	1	1969	54	0	10	1	3.7
2829	1	Saddle	1	1969	54	0	10	1	3.7
2830	1	Saddle	1	1969	54	0	10	1	3.7

2831	1	Saddle	1	1997	26	0	10	1	3.7
2833	1	Saddle	1	1969	54	0	10	1	3.7
2834	1	Saddle	1	1969	54	0	10	1	3.7
2836	1	Saddle	1	1969	54	0	10	1	3.7
2837	1	Saddle	1	1969	54	0	10	1	3.7
2842	1	Saddle	1	1969	54	0	10	1	3.7
2843	1	Saddle	1	1969	54	0	10	1	3.7
2844	1	Saddle	1	1969	54	0	10	1	3.7
2845	1	Saddle	1	1969	54	0	10	1	3.7
2847	1	Saddle	1	1969	54	0	10	1	3.7
2853	1	Saddle	1	1969	54	0	10	1	3.7
2856	1	Saddle	1	1969	54	0	10	1	3.7
2859	1	Saddle	1	1969	54	0	10	1	3.7
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2877	1	Saddle		1969	54	0	10	1	3.7
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2880	1	Saddle	1	1969	54	0	10	1	3.7
2881	1	Saddle	1	1969	54	0	10	1	3.7
2887	1	Saddle	1	1969	54	0	10	1	3.7
2888	1	Saddle	1	1969	54	0	10	1	3.7
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2892	1	Saddle	1	1969	54	0	10	1	3.7
2893	1	Saddle	1	1969	54	0	10	1	3.7
2897	1	Saddle	1	1969	54	0	10	1	3.7
2901	1	Saddle	1	1969	54	0	10	1	3.7
2904	1	Saddle	1	1969	54	0	10	1	3.7
2905	1	Saddle	1	1969	54	0	10	1	3.7
2907	1	Saddle	1	1969	54	0	10	1	3.7
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2915	1	Saddle	1	1969	54	0	10	1	3.7
2916	1	Saddle	1	1969	54	0	10	1	3.7
2917	1	Saddle	1	1969	54	0	10	1	3.7
2918	1	Saddle	1	1969	54	0	10	1	3.7
2919	1	Saddle	1	1969	54	0	10	1	3.7
2922	1	Saddle	1	1969	54	0	10	1	3.7
2923	1	Saddle	1	2000	23	0	10	1	3.7
2926	1	Saddle	1	2000	23	0	10	1	3.7
2929	1	Saddle	1	1969	54	0	10	1	3.7
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2932	1	Saddle	1	1969	54	0	10	1	3.7
2934	1	Saddle	1	2000	23	0	10	1	3.7
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2937	1	Saddle	1	1969	54	0	10	1	3.7
2938	1	Saddle	1	1969	54	0	10	1	3.7
2942	1	Saddle	1	1969	54	0	10	1	3.7
2943	1	Saddle	1	1969	54	0	10	1	3.7
2944	1	Saddle	1	1969	54	0	10	1	3.7
2946	1	Saddle	1	1969	54	0	10	1	3.7
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2955	1	Saddle	1	1969	54	0	10	1	3.7
2956	1	Saddle	1	1969	54	0	10	1	3.7
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2959	1	Saddle	1	1969	54	0	10	1	3.7
2961	1	Saddle	1	1969	54	0	10	1	3.7
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2969	1	Saddle	1	1969	54	0	10	1	3.7
2971	1	Saddle	1	1969	54	0	10	1	3.7
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2973	1	Saddle	1	1969	54	0	10	1	3.7
2974	1	Saddle		1969	54	0	10	1	3.7
2978	1	Saddle	1	1969	54	0	10	1	3.7
2985	1	Saddle	1	1969	54	0	10	1	3.7
2986	1	Saddle	1	1969	54	0	10	1	3.7
2994	1	Saddle	1	1996	27	0	10	1	3.7
2997	1	Saddle	1	1994	29	0	10	1	3.7
2998	1	Saddle	1	1999	24	0	10	1	3.7
2999	1	Saddle	2	1994	29	0	10	1	3.7
3002	1	Saddle	1	1994	29	0	10	1	3.7
3004	1	Saddle	1	1999	24	0	10	1	3.7
3005	1	Saddle			0	0	7	1	2.8
3006	1	Saddle	1.5	1999	24	0	10	1	3.7
3008	1	Saddle	1	1999	24	0	10	1	3.7
3009	1	Saddle	2	1999	24	0	10	1	3.7
3010	1	Saddle	1	1999	24	0	10	1	3.7
3011	1	Saddle	1	1999	24	0	10	1	3.7
3012	1	Saddle	2	1999	24	0	10	1	3.7
3013	1	Saddle	1.5	1999	24	0	10	1	3.7
3014	1	Saddle	1	1999	24	0	10	1	3.7
3015	1	Saddle	1	1999	24	0	10	1	3.7
3017	1	Saddle	2	1999	24	0	10	1	3.7
3018	1	Saddle	1	1999	24	0	10	1	3.7
3019	1	Saddle	1	1999	24	0	10	1	3.7
3020	1	Saddle	2	1999	24	0	10	1	3.7

3022	1	Saddle	1		1999	24	0	10	1	3.7
3023	1	Saddle				0	0	7	1	2.8
3024	1	Saddle	1		1999	24	0	10	1	3.7
3025	1	Saddle	1		1999	24	0	10	1	3.7
3026	1	Saddle	1		1999	24	0	10	1	3.7
3027	1	Saddle	2		2020	3	0	1	1	1
3029	1	Saddle	2		2008	15	0	10	1	3.7
3030	1	Saddle	1		1999	24	0	10	1	3.7
3031	1	Saddle	1		1999	24	0	10	1	3.7
3035	1	Saddle	1		1999	24	0	10	1	3.7
3036	1	Saddle				0	0	7	1	2.8
3038	1	Saddle				0	0	7	1	2.8
3039	1	Saddle				0	0	7	1	2.8
3048	1	Saddle	2		2009	14	0	10	1	3.7
3049	1	Saddle	2		2009	14	0	10	1	3.7
3050	1	Saddle	2		2009	14	0	10	1	3.7
3051	1	Saddle	1		1983	40	0	10	1	3.7
3052	1	Saddle	1		1983	40	0	10	1	3.7
3054	1	Saddle	1		1994	29	0	10	1	3.7
3056	1	Saddle	1		1994	29	0	10	1	3.7
3057	1	Saddle	1		1994	29	0	10	1	3.7
3059	1	Saddle	2		2009	14	0	10	1	3.7
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3063	1	Saddle	2		2009	14	0	10	1	3.7
3064	1	Saddle	1		1994	29	0	10	1	3.7
3066	1	Saddle	1		1994	29	0	10	1	3.7
3067	1	Saddle	1		1983	40	0	10	1	3.7
3070	1	Saddle	1		1994	29	0	10	1	3.7
3072	1	Saddle	2		2009	14	0	10	1	3.7
3075	1	Saddle	1		1994	29	0	10	1	3.7
3077	1	Saddle	1		1983	40	0	10	1	3.7
3079	1	Saddle	1		1994	29	0	10	1	3.7
3081	1	Saddle	1		1969	54	0	10	1	3.7
3082	1	Saddle	1		1969	54	0	10	1	3.7
3085	1	Saddle	1		1994	29	0	10	1	3.7
3086	1	Saddle	1		1983	40	0	10	1	3.7
3090	1	Saddle	1		2002	21	0	10	1	3.7
3091	1	Saddle	1		2002	21	0	10	1	3.7
3092	1	Saddle	1		2002	21	0	10	1	3.7
3093	1	Saddle	1		2002	21	0	10	1	3.7
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3095	1	Saddle	1		2002	21	0	10	1	3.7
3096	1	Saddle	1		2002	21	0	10	1	3.7
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3098	1	Saddle	1		2002	21	0	10	1	3.7
3101	1	Saddle	1		2002	21	0	10	1	3.7
3105	1	Saddle	1		2002	21	0	10	1	3.7
3106	1	Saddle	1		2002	21	0	10	1	3.7
3108	1	Saddle	1		1969	54	0	10	1	3.7
3111	1	Saddle	1		1969	54	0	10	1	3.7
3112	1	Saddle	1		1996	27	0	10	1	3.7
3113	1	Saddle	1		2002	21	0	10	1	3.7
3114	1	Saddle	1		2002	21	0	10	1	3.7
3116	1	Saddle	1		2002	21	0	10	1	3.7
3117	1	Saddle	1		2002	21	0	10	1	3.7
3119	1	Saddle	1		1996	27	0	10	1	3.7
3120	1	Saddle	1		1969	54	0	10	1	3.7
3122	1	Saddle	1		2002	21	0	10	1	3.7
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3125	1	Saddle	1		2002	21	0	10	1	3.7
3127	1	Saddle	1		2002	21	0	10	1	3.7
3128	1	Saddle	1		1969	54	0	10	1	3.7
3130	1	Saddle	1		1996	27	0	10	1	3.7
3132	1	Saddle	1		1969	54	0	10	1	3.7
3133	1	Saddle	1		1996	27	0	10	1	3.7
3134	1	Saddle	2	Doublestrapedstainless	2005	18	0	10	1	3.7
3135	1	Saddle				0	0	7	1	2.8
3136	1	Saddle	1		1969	54	0	10	1	3.7
3137	1	Saddle	1		1969	54	0	10	1	3.7
3138	1	Saddle	1		1969	54	0	10	1	3.7
3139	1	Saddle	1		2002	21	0	10	1	3.7
3140	1	Saddle	1		2002	21	0	10	1	3.7
3141	1	Saddle	1		1969	54	0	10	1	3.7
3142	1	Saddle	1		1969	54	0	10	1	3.7
3144	1	Saddle	1		2002	21	0	10	1	3.7
3145	1	Saddle	1		1996	27	0	10	1	3.7
3148	1	Saddle	1		1969	54	0	10	1	3.7
3149	1	Saddle	1		2002	21	0	10	1	3.7
3151	1	Saddle	1		2002	21	0	10	1	3.7
3152	1	Saddle	1		2002	21	0	10	1	3.7
3153	1	Saddle	1		1996	27	0	10	1	3.7
3154	1	Saddle	1		1996	27	0	10	1	3.7
3156	1	Saddle	1		2002	21	0	10	1	3.7
3157	1	Saddle	1		2002	21	0	10	1	3.7
3158	1	Saddle	1		2002	21	0	10	1	3.7
3159	1	Saddle	1		1996	27	0	10	1	3.7
3161	1	Saddle	1		1996	27	0	10	1	3.7
3162	1	Saddle	1		1996	27	0	10	1	3.7
3163	1	Saddle	1		2002	21	0	10	1	3.7
3166	1	Saddle	1		2002	21	0	10	1	3.7
3169	1	Saddle	1		2002	21	0	10	1	3.7
3170	1	Saddle	1		2002	21	0	10	1	3.7

3171	1	Saddle	1	1969	54	0	10	1	3.7
3172	1	Saddle	1	2002	21	0	10	1	3.7
3174	1	Saddle	1	2002	21	0	10	1	3.7
3176	1	Saddle	1	2002	21	0	10	1	3.7
3177	1	Saddle	1	2002	21	0	10	1	3.7
3178	1	Saddle	1	2002	21	0	10	1	3.7
3179	1	Saddle	1	2002	21	0	10	1	3.7
3180	1	Saddle	1	2002	21	0	10	1	3.7
3183	1	Saddle	1	2002	21	0	10	1	3.7
3184	1	Saddle	1	2002	21	0	10	1	3.7
3186	1	Saddle	1	2002	21	0	10	1	3.7
3187	1	Saddle	1	1969	54	0	10	1	3.7
3189	1	Saddle	1	2002	21	0	10	1	3.7
3191	1	Saddle	1	1969	54	0	10	1	3.7
3193	1	Saddle	1	2002	21	0	10	1	3.7
3194	1	Saddle	1	1969	54	0	10	1	3.7
3198	1	Saddle	1	1969	54	0	10	1	3.7
3203	1	Saddle		1969	54	0	10	1	3.7
3212	1	Saddle	1	1969	54	0	10	1	3.7
3220	1	Saddle	1	1969	54	0	10	1	3.7
3221	1	Saddle	1	1969	54	0	10	1	3.7
3224	1	Saddle	1	1969	54	0	10	1	3.7
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3231	1	Saddle	1	1969	54	0	10	1	3.7
3232	1	Saddle	1	1969	54	0	10	1	3.7
3233	1	Saddle	1	1969	54	0	10	1	3.7
3237	1	Saddle	1	1969	54	0	10	1	3.7
3238	1	Saddle	1	1969	54	0	10	1	3.7
3239	1	Saddle	1	1969	54	0	10	1	3.7
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3245	1	Saddle	1	1969	54	0	10	1	3.7
3247	1	Saddle	1	1969	54	0	10	1	3.7
3248	1	Saddle	1	1969	54	0	10	1	3.7
3254	1	Saddle	1	1969	54	0	10	1	3.7
3255	1	Saddle	1	1969	54	0	10	1	3.7
3256	1	Saddle	1	1969	54	0	10	1	3.7
3258	1	Saddle	1	1969	54	0	10	1	3.7
3261	1	Saddle	1	1969	54	0	10	1	3.7
3262	1	Saddle	1	1969	54	0	10	1	3.7
3263	1	Saddle	1	1969	54	0	10	1	3.7
3264	1	Saddle	1	1969	54	0	10	1	3.7
3265	1	Saddle	1	1969	54	0	10	1	3.7
3270	1	Saddle	1	1969	54	0	10	1	3.7
3271	1	Saddle	1	1969	54	0	10	1	3.7
3272	1	Saddle	1	1969	54	0	10	1	3.7
3273	1	Saddle	1	1969	54	0	10	1	3.7
3279	1	Saddle			0	0	7	1	2.8
3289	1	Saddle			0	0	7	1	2.8
3293	1	Saddle			0	0	7	1	2.8
3303	1	Saddle	1		0	0	7	1	2.8
3310	1	Saddle			0	0	7	1	2.8
3311	1	Saddle			0	0	7	1	2.8
3316	1	Saddle			0	0	7	1	2.8
3319	1	Saddle	1	1978	45	0	10	1	3.7
3323	1	Saddle	2	2009	14	0	10	1	3.7
3326	1	Saddle	4	2017	6	0	1	1	1
3329	1	Saddle			0	0	7	1	2.8
3332	1	Saddle	2	2009	14	0	10	1	3.7
3333	1	Saddle	2	2009	14	0	10	1	3.7
3337	1	Saddle	2	2009	14	0	10	1	3.7
3338	1	Saddle	1		0	0	7	1	2.8
3339	1	Saddle	2	2009	14	0	10	1	3.7
3340	1	Saddle	1		0	0	7	1	2.8
3344	1	Saddle			0	0	7	1	2.8
3345	1	Saddle	2	2013	10	0	1	1	1
3346	1	Saddle	1		0	0	7	1	2.8
3347	2	Saddle		2009	14	0	10	1	3.7
3348	1	Saddle	2	2009	14	0	10	1	3.7
3349	1	Saddle			0	0	7	1	2.8
3351	1	Saddle			0	0	7	1	2.8
3352	1	Saddle			0	0	7	1	2.8
3360	1	Saddle			0	0	7	1	2.8
3361	1	Saddle	2	2009	14	0	10	1	3.7
3363	1	Saddle			0	0	7	1	2.8
3366	1	Saddle	2	2009	14	0	10	1	3.7
3368	1	Saddle	1	1976	47	0	10	1	3.7
3371	1	Saddle	2	2006	17	0	10	1	3.7
3372	1	Saddle			0	0	7	1	2.8
3374	1	Saddle			0	0	7	1	2.8
3376	1	Saddle	2	2013	10	0	1	1	1
3377	1	Saddle	1.5		0	0	7	1	2.8
3380	1	Saddle	1	2003	20	0	10	1	3.7
3383	1	Saddle			0	0	7	1	2.8
3385	1	Saddle			0	0	7	1	2.8
3387	1	Saddle			0	0	7	1	2.8
3389	1	Saddle			0	0	7	1	2.8
3392	1	Saddle			0	0	7	1	2.8
3397	1	Saddle			0	0	7	1	2.8
3398	1	Saddle	1	2003	20	0	10	1	3.7
3413	1	Saddle	1	2007	16	0	10	1	3.7
3421	1	Saddle	1		0	0	7	1	2.8
3432	1	Saddle	1		0	0	7	1	2.8

3433	1	Saddle	2		0	0	7	1	2.8
3440	1	Saddle	1		0	0	7	1	2.8
3441	1	Saddle	1		0	0	7	1	2.8
3442	1	Saddle	2	1983	40	0	10	1	3.7
3452	1	Saddle	1		0	0	7	1	2.8
3456	1	Saddle			0	0	7	1	2.8
3468	1	Saddle	1	1983	40	0	10	1	3.7
3472	1	Saddle	1	1983	40	0	10	1	3.7
3477	1	Saddle	1	1983	40	0	10	1	3.7
3478	1	Saddle	1	2004	19	0	10	1	3.7
3479	1	Saddle	1	1983	40	0	10	1	3.7
3481	1	Saddle	1		0	0	7	1	2.8
3482	1	Saddle	1	0	2023	0	10	1	3.7
3483	1	Saddle		2004	19	0	10	1	3.7
3484	1	Saddle	1	2004	19	0	10	1	3.7
3487	1	Saddle	1	1983	40	0	10	1	3.7
3490	1	Saddle	1	1969	54	0	10	1	3.7
3492	1	Saddle	1	1969	54	0	10	1	3.7
3494	1	Saddle		1969	54	0	10	1	3.7
3495	1	Saddle	1	1969	54	0	10	1	3.7
3498	1	Saddle	1	1969	54	0	10	1	3.7
3499	1	Saddle	1	1969	54	0	10	1	3.7
3500	1	Saddle	1		0	0	7	1	2.8
3503	1	Saddle			0	0	7	1	2.8
3504	1	Saddle			0	0	7	1	2.8
3509	1	Saddle	1	1969	54	0	10	1	3.7
3510	1	Saddle	1	1969	54	0	10	1	3.7
3516	1	Saddle	1	1969	54	0	10	1	3.7
3517	1	Saddle	1	1969	54	0	10	1	3.7
3518	1	Saddle	1	1969	54	0	10	1	3.7
3522	1	Saddle	1	1969	54	0	10	1	3.7
3525	1	Saddle	1	1969	54	0	10	1	3.7
3527	1	Saddle	1	1969	54	0	10	1	3.7
3528	1	Saddle	1	1969	54	0	10	1	3.7
3532	1	Saddle	1	1969	54	0	10	1	3.7
3535	1	Saddle	1	1969	54	0	10	1	3.7
3543	1	Saddle	1	1969	54	0	10	1	3.7
3545	1	Saddle	1	1969	54	0	10	1	3.7
3546	1	Saddle	1	1969	54	0	10	1	3.7
3547	1	Saddle	1	1969	54	0	10	1	3.7
3548	1	Saddle	1	1969	54	0	10	1	3.7
3549	1	Saddle	1	1969	54	0	10	1	3.7
3550	1	Saddle	1	1997	26	0	10	1	3.7
3551	1	Saddle	1		0	0	7	1	2.8
3554	1	Saddle	1	1969	54	0	10	1	3.7
3559	1	Saddle	1	1969	54	0	10	1	3.7
3563	1	Saddle	1	1969	54	0	10	1	3.7
3564	1	Saddle	1	1969	54	0	10	1	3.7
3566	1	Saddle	1	1969	54	0	10	1	3.7
3567	1	Saddle	1	1969	54	0	10	1	3.7
3568	1	Saddle	1	1969	54	0	10	1	3.7
3573	1	Saddle	1	1969	54	0	10	1	3.7
3574	1	Saddle		1969	54	0	10	1	3.7
3575	1	Saddle	1	1969	54	0	10	1	3.7
3576	1	Saddle	1	1995	28	0	10	1	3.7
3578	1	Saddle		1969	54	0	10	1	3.7
3581	1	Saddle	1		0	0	7	1	2.8
3582	1	Saddle	1	1969	54	0	10	1	3.7
3584	1	Saddle	1	1969	54	0	10	1	3.7
3585	1	Saddle	1	1969	54	0	10	1	3.7
3589	1	Saddle	1	1969	54	0	10	1	3.7
3592	1	Saddle	1	1969	54	0	10	1	3.7
3595	1	Saddle	1	1969	54	0	10	1	3.7
3598	1	Saddle	1	2004	19	0	10	1	3.7
3599	1	Saddle	1	1977	46	0	10	1	3.7
3600	1	Saddle	1	2004	19	0	10	1	3.7
3601	1	Saddle	2	2004	19	0	10	1	3.7
3603	1	Saddle	1	2004	19	0	10	1	3.7
3606	1	Saddle	1	2004	19	0	10	1	3.7
3607	1	Saddle	1	2004	19	0	10	1	3.7
3608	1	Saddle	1	2004	19	0	10	1	3.7
3609	1	Saddle	1	2004	19	0	10	1	3.7
3610	1	Saddle	1	2004	19	0	10	1	3.7
3611	1	Saddle	1	2004	19	0	10	1	3.7
3612	1	Saddle	2	2020	3	0	1	1	1
3613	1	Saddle	1	2004	19	0	10	1	3.7
3615	1	Saddle	1	2004	19	0	10	1	3.7
3616	1	Saddle	1	2004	19	0	10	1	3.7
3618	1	Saddle	1	2004	19	0	10	1	3.7
3620	1	Saddle	1	1977	46	0	10	1	3.7
3621	1	Saddle	1	2004	19	0	10	1	3.7
3624	1	Saddle	1.5	2004	19	0	10	1	3.7
3625	1	Saddle	1	2004	19	0	10	1	3.7
3626	1	Saddle	1	1977	46	0	10	1	3.7
3628	1	Saddle	1	2004	19	0	10	1	3.7
3629	1	Saddle	1	2004	19	0	10	1	3.7
3630	1	Saddle	2	2004	19	0	10	1	3.7
3632	1	Saddle	1	2004	19	0	10	1	3.7
3633	1	Saddle	1.5	2004	19	0	10	1	3.7
3635	1	Saddle	1	2004	19	0	10	1	3.7
3636	1	Saddle	1	2004	19	0	10	1	3.7
3639	1	Saddle	1	2004	19	0	10	1	3.7

3640	1	Saddle	1		2004	19	0	10	1	3.7
3641	1	Saddle	1		2004	19	0	10	1	3.7
3642	1	Saddle	1.5		2004	19	0	10	1	3.7
3643	1	Saddle	1		2004	19	0	10	1	3.7
3644	1	Saddle	1		2004	19	0	10	1	3.7
3647	1	Saddle	2		2004	19	0	10	1	3.7
3648	1	Saddle	1		1969	54	0	10	1	3.7
3651	1	Saddle	2		2004	19	0	10	1	3.7
3652	1	Saddle	2		2004	19	0	10	1	3.7
3653	1	Saddle	1		2004	19	0	10	1	3.7
3654	1	Saddle	1		2004	19	0	10	1	3.7
3655	1	Saddle	1		2004	19	0	10	1	3.7
3656	1	Saddle	1		2004	19	0	10	1	3.7
3659	1	Saddle	1		1969	54	0	10	1	3.7
3660	1	Saddle	1		2004	19	0	10	1	3.7
3661	1	Saddle	1		1969	54	0	10	1	3.7
3663	1	Saddle	1		2004	19	0	10	1	3.7
3664	1	Saddle	1		2004	19	0	10	1	3.7
3665	1	Saddle	1		2004	19	0	10	1	3.7
3666	1	Saddle	1		2004	19	0	10	1	3.7
3671	1	Saddle	2		2004	19	0	10	1	3.7
3673	1	Saddle	1		1969	54	0	10	1	3.7
3675	1	Saddle	1		2004	19	0	10	1	3.7
3676	1	Saddle	1		2004	19	0	10	1	3.7
3678	1	Saddle	1		2004	19	0	10	1	3.7
3679	1	Saddle	1		1969	54	0	10	1	3.7
3681	1	Saddle	1		2004	19	0	10	1	3.7
3682	1	Saddle	1		1969	54	0	10	1	3.7
3685	1	Saddle	1		1969	54	0	10	1	3.7
3686	1	Saddle	1	doublestrap	2004	19	0	10	1	3.7
3691	1	Saddle	1		1969	54	0	10	1	3.7
3694	1	Saddle	1		1969	54	0	10	1	3.7
3695	1	Saddle			1969	54	0	10	1	3.7
3696	1	Saddle	1		1997	26	0	10	1	3.7
3702	1	Saddle	1		1969	54	0	10	1	3.7
3703	1	Saddle	1		1969	54	0	10	1	3.7
3708	1	Saddle			1969	54	0	10	1	3.7
3709	1	Saddle	1		1969	54	0	10	1	3.7
3712	1	Saddle	1		1969	54	0	10	1	3.7
3715	1	Saddle	1		1969	54	0	10	1	3.7
3716	1	Saddle	1		1969	54	0	10	1	3.7
3718	1	Saddle	1		1969	54	0	10	1	3.7
3720	1	Saddle	1		1969	54	0	10	1	3.7
3721	1	Saddle	1		1969	54	0	10	1	3.7
3723	1	Saddle	1		1969	54	0	10	1	3.7
3724	1	Saddle			1969	54	0	10	1	3.7
3726	1	Saddle	1		1969	54	0	10	1	3.7
3727	1	Saddle	1		1969	54	0	10	1	3.7
3728	1	Saddle	1		1969	54	0	10	1	3.7
3732	1	Saddle	1		1969	54	0	10	1	3.7
3735	1	Saddle	1		1969	54	0	10	1	3.7
3736	1	Saddle	1		1969	54	0	10	1	3.7
3737	1	Saddle	1		1969	54	0	10	1	3.7
3739	1	Saddle	1		1969	54	0	10	1	3.7
3740	1	Saddle	1		1969	54	0	10	1	3.7
3742	1	Saddle	1		1969	54	0	10	1	3.7
3747	1	Saddle	1		1969	54	0	10	1	3.7
3748	1	Saddle	1		1969	54	0	10	1	3.7
3749	1	Saddle	1		1969	54	0	10	1	3.7
3750	1	Saddle	1		1969	54	0	10	1	3.7
3752	1	Saddle	1		1969	54	0	10	1	3.7
3753	1	Saddle				0	0	7	1	2.8
3754	1	Saddle	1		1969	54	0	10	1	3.7
3759	1	Saddle	1		1969	54	0	10	1	3.7
3763	1	Saddle	1		0	2023	0	10	1	3.7
3764	1	Saddle	1		1969	54	0	10	1	3.7
3765	1	Saddle	1		1969	54	0	10	1	3.7
3766	1	Saddle				0	0	7	1	2.8
3770	1	Saddle	1		1969	54	0	10	1	3.7
3773	1	Saddle	1		1969	54	0	10	1	3.7
3775	1	Saddle	1		1969	54	0	10	1	3.7
3781	1	Saddle	1			0	0	7	1	2.8
3783	1	Saddle	1		1969	54	0	10	1	3.7
3784	1	Saddle	1			0	0	7	1	2.8
3785	1	Saddle	1		1969	54	0	10	1	3.7
3788	1	Saddle	1		1969	54	0	10	1	3.7
3792	1	Saddle	2		2004	19	0	10	1	3.7
3793	1	Saddle	1			0	0	7	1	2.8
3794	1	Saddle	1			0	0	7	1	2.8
3796	1	Saddle	1		1969	54	0	10	1	3.7
3797	1	Saddle	1		1969	54	0	10	1	3.7
3800	1	Saddle	1		1969	54	0	10	1	3.7
3801	1	Saddle	1		1969	54	0	10	1	3.7
3802	1	Saddle	1		1969	54	0	10	1	3.7
3803	1	Saddle	1		1969	54	0	10	1	3.7
3807	1	Saddle				0	0	7	1	2.8
3809	1	Saddle	1		1969	54	0	10	1	3.7
3810	1	Saddle	1		1969	54	0	10	1	3.7
3811	1	Saddle	1		1969	54	0	10	1	3.7
3813	1	Saddle			1969	54	0	10	1	3.7
3815	1	Saddle	1		1969	54	0	10	1	3.7
3816	1	Saddle				0	0	7	1	2.8

3817	1	Saddle		1969	54	0	10	1	3.7
3819	1	Saddle	1	1969	54	0	10	1	3.7
3820	1	Saddle			0	0	7	1	2.8
3821	1	Saddle	1		0	0	7	1	2.8
3824	1	Saddle	1	1969	54	0	10	1	3.7
3831	1	Saddle	1	1969	54	0	10	1	3.7
3832	1	Saddle	1	1969	54	0	10	1	3.7
3833	1	Saddle	1	1969	54	0	10	1	3.7
3834	1	Saddle	1	1969	54	0	10	1	3.7
3837	1	Saddle	1		0	0	7	1	2.8
3846	1	Saddle	1	1969	54	0	10	1	3.7
3847	1	Saddle	1	1969	54	0	10	1	3.7
3849	1	Saddle	1	1969	54	0	10	1	3.7
3851	1	Saddle	1	1969	54	0	10	1	3.7
3855	1	Saddle	1	2000	23	0	10	1	3.7
3858	1	Saddle	1	1969	54	0	10	1	3.7
3861	1	Saddle	1	1969	54	0	10	1	3.7
3863	1	Saddle	1	1969	54	0	10	1	3.7
3865	1	Saddle	1	2000	23	0	10	1	3.7
3868	1	Saddle	1	1969	54	0	10	1	3.7
3869	1	Saddle	1	1969	54	0	10	1	3.7
3872	1	Saddle	1	2000	23	0	10	1	3.7
3873	1	Saddle	1	2000	23	0	10	1	3.7
3875	1	Saddle	1	1969	54	0	10	1	3.7
3877	1	Saddle	1	2000	23	0	10	1	3.7
3878	1	Saddle	1	1969	54	0	10	1	3.7
3881	1	Saddle	1	1969	54	0	10	1	3.7
3883	1	Saddle	1	1969	54	0	10	1	3.7
3886	1	Saddle	1	1969	54	0	10	1	3.7
3890	1	Saddle	1	1969	54	0	10	1	3.7
3893	1	Saddle	1	1969	54	0	10	1	3.7
3894	1	Saddle	1	1969	54	0	10	1	3.7
3896	1	Saddle	1	1969	54	0	10	1	3.7
3897	1	Saddle	1	1969	54	0	10	1	3.7
3899	1	Saddle	1	1969	54	0	10	1	3.7
3900	1	Saddle	1	1969	54	0	10	1	3.7
3902	1	Saddle	1	1969	54	0	10	1	3.7
3907	1	Saddle	1	1969	54	0	10	1	3.7
3908	1	Saddle	1	1969	54	0	10	1	3.7
3910	1	Saddle	1	1969	54	0	10	1	3.7
3916	1	Saddle	1	1969	54	0	10	1	3.7
3917	1	Saddle	1	1969	54	0	10	1	3.7
3919	1	Saddle	1	1969	54	0	10	1	3.7
3920	1	Saddle	1	1969	54	0	10	1	3.7
3921	1	Saddle	1	1969	54	0	10	1	3.7
3922	1	Saddle	1	1969	54	0	10	1	3.7
3923	1	Saddle	1	1969	54	0	10	1	3.7
3926	1	Saddle	1	1969	54	0	10	1	3.7
3928	1	Saddle	1	1969	54	0	10	1	3.7
3929	1	Saddle	1	1969	54	0	10	1	3.7
3930	1	Saddle	1	1969	54	0	10	1	3.7
3935	1	Saddle	1	1969	54	0	10	1	3.7
3937	1	Saddle	1	1969	54	0	10	1	3.7
3938	1	Saddle	1	1969	54	0	10	1	3.7
3943	1	Saddle	1	1969	54	0	10	1	3.7
3949	1	Saddle	1	1969	54	0	10	1	3.7
3950	1	Saddle	1	1969	54	0	10	1	3.7
3951	1	Saddle	1	2000	23	0	10	1	3.7
3953	1	Saddle	1	2000	23	0	10	1	3.7
3954	1	Saddle	1	1969	54	0	10	1	3.7
3957	1	Saddle	1	1969	54	0	10	1	3.7
3959	1	Saddle	1	1969	54	0	10	1	3.7
3960	1	Saddle	1	1969	54	0	10	1	3.7
3961	1	Saddle	1	1969	54	0	10	1	3.7
3968	1	Saddle	1	1969	54	0	10	1	3.7
3969	1	Saddle	1	2000	23	0	10	1	3.7
3970	1	Saddle	1	2000	23	0	10	1	3.7
3976	1	Saddle	1	1969	54	0	10	1	3.7
3977	1	Saddle	1	1969	54	0	10	1	3.7
3980	1	Saddle	1	1969	54	0	10	1	3.7
3982	1	Saddle	1	2000	23	0	10	1	3.7
3985	1	Saddle	1	1969	54	0	10	1	3.7
3988	1	Saddle	1	1969	54	0	10	1	3.7
3989	1	Saddle	1	1969	54	0	10	1	3.7
3991	1	Saddle	1	1969	54	0	10	1	3.7
3992	1	Saddle	1	1969	54	0	10	1	3.7
3993	1	Saddle	1	1969	54	0	10	1	3.7
3995	1	Saddle	1	1969	54	0	10	1	3.7
3997	1	Saddle	1	1969	54	0	10	1	3.7
4000	1	Saddle	1	1969	54	0	10	1	3.7
4001	1	Saddle	1	1969	54	0	10	1	3.7
4002	1	Saddle	1	1969	54	0	10	1	3.7
4006	1	Saddle	1	1969	54	0	10	1	3.7
4007	1	Saddle	1	1990	33	0	10	1	3.7
4010	1	Saddle	1	1990	33	0	10	1	3.7
4011	1	Saddle	1	1990	33	0	10	1	3.7
4012	1	Saddle	1	1990	33	0	10	1	3.7
4013	1	Saddle	1	1990	33	0	10	1	3.7
4014	1	Saddle	1	1990	33	0	10	1	3.7
4016	1	Saddle	2	1990	33	0	10	1	3.7
4018	1	Saddle	2	2022	1	0	1	1	1
4019	1	Saddle	1	1990	33	0	10	1	3.7

4020	1	Saddle	1	1990	33	0	10	1	3.7
4022	1	Saddle	1	1990	33	0	10	1	3.7
4024	1	Saddle	1	1990	33	0	10	1	3.7
4026	1	Saddle	1	1990	33	0	10	1	3.7
4027	1	Saddle	1	1990	33	0	10	1	3.7
4028	1	Saddle	1	1990	33	0	10	1	3.7
4030	1	Saddle			0	0	7	1	2.8
4031	1	Saddle	1	1990	33	0	10	1	3.7
4032	1	Saddle	1	2000	23	0	10	1	3.7
4033	1	Saddle	1	1990	33	0	10	1	3.7
4035	1	Saddle	1.5	2000	23	0	10	1	3.7
4036	1	Saddle	1	1985	38	0	10	1	3.7
4038	1	Saddle	1	1990	33	0	10	1	3.7
4040	1	Saddle	1	1990	33	0	10	1	3.7
4043	1	Saddle	1	1990	33	0	10	1	3.7
4044	1	Saddle	2	2007	16	0	10	1	3.7
4047	1	Saddle	1	1996	27	0	10	1	3.7
4049	1	Saddle	1	1990	33	0	10	1	3.7
4050	1	Saddle	1	1990	33	0	10	1	3.7
4052	1	Saddle		1990	33	0	10	1	3.7
4054	1	Saddle	1	1990	33	0	10	1	3.7
4055	1	Saddle			0	0	7	1	2.8
4056	1	Saddle			0	0	7	1	2.8
4057	1	Saddle	2	2001	22	0	10	1	3.7
4058	1	Saddle	2	2001	22	0	10	1	3.7
4061	1	Saddle		1990	33	0	10	1	3.7
4063	1	Saddle			0	0	7	1	2.8
4065	1	Saddle	2		0	0	7	1	2.8
4067	1	Saddle	1	1990	33	0	10	1	3.7
4068	1	Saddle	1	1990	33	0	10	1	3.7
4069	1	Saddle	2	2001	22	0	10	1	3.7
4070	1	Saddle	1	2001	22	0	10	1	3.7
4074	1	Saddle	1	2001	22	0	10	1	3.7
4075	1	Saddle	2	2001	22	0	10	1	3.7
4076	1	Saddle	1	2001	22	0	10	1	3.7
4077	1	Saddle			0	0	7	1	2.8
4079	1	Saddle			0	0	7	1	2.8
4080	1	Saddle	2	2017	6	0	1	1	1
4081	1	Saddle			0	0	7	1	2.8
4083	1	Saddle	1	1994	29	0	10	1	3.7
4084	1	Saddle	1	2001	22	0	10	1	3.7
4085	1	Saddle	2	2001	22	0	10	1	3.7
4086	1	Saddle	2	2022	1	0	1	1	1
4090	1	Saddle	1	1994	29	0	10	1	3.7
4092	1	Saddle	1	1990	33	0	10	1	3.7
4095	1	Saddle	1	1994	29	0	10	1	3.7
4098	1	Saddle	1	1994	29	0	10	1	3.7
4101	1	Saddle	1	1998	25	0	10	1	3.7
4104	1	Saddle			0	0	7	1	2.8
4105	1	Saddle	1	1994	29	0	10	1	3.7
4106	1	Saddle	1	1994	29	0	10	1	3.7
4109	1	Saddle	2	2017	6	0	1	1	1
4110	1	Saddle	2	2017	6	0	1	1	1
4111	1	Saddle			0	0	7	1	2.8
4112	1	Saddle	1	1994	29	0	10	1	3.7
4113	1	Saddle	1	1994	29	0	10	1	3.7
4115	1	Saddle			0	0	7	1	2.8
4116	1	Saddle	1	1994	29	0	10	1	3.7
4117	1	Saddle			0	0	7	1	2.8
4118	1	Saddle			0	0	7	1	2.8
4121	1	Saddle	1	1994	29	0	10	1	3.7
4122	1	Saddle	1	1994	29	0	10	1	3.7
4123	1	Saddle	2	2017	6	0	1	1	1
4124	1	Saddle	2	2017	6	0	1	1	1
4125	1	Saddle	1	1994	29	0	10	1	3.7
4126	1	Saddle	2	2017	6	0	1	1	1
4127	1	Saddle	1	1994	29	0	10	1	3.7
4129	1	Saddle			0	0	7	1	2.8
4139	1	Saddle	1	1994	29	0	10	1	3.7
4140	1	Saddle	2	2017	6	0	1	1	1
4144	1	Saddle	3		0	0	7	1	2.8
4148	1	Saddle			0	0	7	1	2.8
4150	1	Saddle	1		0	0	7	1	2.8
4153	1	Saddle	1	1999	24	0	10	1	3.7
4156	1	Saddle	1	1994	29	0	10	1	3.7
4158	1	Saddle	1	1994	29	0	10	1	3.7
4160	1	Saddle	1	1994	29	0	10	1	3.7
4162	1	Saddle	1	1999	24	0	10	1	3.7
4165	1	Saddle		1980	43	0	10	1	3.7
4166	1	Saddle	1	1994	29	0	10	1	3.7
4167	1	Saddle	2	2022	1	0	1	1	1
4168	1	Saddle	1	1994	29	0	10	1	3.7
4172	1	Saddle	1	1994	29	0	10	1	3.7
4175	1	Saddle			0	0	7	1	2.8
4176	1	Saddle	2	2017	6	0	1	1	1
4178	1	Saddle	2	2017	6	0	1	1	1
4180	1	Saddle	1	2017	6	0	1	1	1
4183	1	Saddle	2	2017	6	0	1	1	1
4184	1	Saddle	2	2017	6	0	1	1	1
4187	1	Saddle	2	2017	6	0	1	1	1
4188	1	Saddle	2	2017	6	0	1	1	1
4195	1	Saddle			0	0	7	1	2.8

4196	1	Saddle			0	0	7	1	2.8
4199	1	Saddle			0	0	7	1	2.8
4202	1	Saddle	1		0	0	7	1	2.8
4203	1	Saddle	1	1990	33	0	10	1	3.7
4204	1	Saddle	1		0	0	7	1	2.8
4205	1	Saddle			0	0	7	1	2.8
4206	1	Saddle			0	0	7	1	2.8
4208	1	Saddle			0	0	7	1	2.8
4216	1	Saddle	1		0	0	7	1	2.8
4221	1	Saddle	2	1999	24	0	10	1	3.7
4226	1	Saddle	1		0	0	7	1	2.8
4227	1	Saddle	1.5	2018	5	0	1	1	1
4236	1	Saddle	1.5		0	0	7	1	2.8
4240	1	Saddle	1	1994	29	0	10	1	3.7
4248	1	Saddle	1	1994	29	0	10	1	3.7
4249	1	Saddle	1	1994	29	0	10	1	3.7
4250	1	Saddle	1	1994	29	0	10	1	3.7
4251	1	Saddle	1	1994	29	0	10	1	3.7
4253	1	Saddle	1	1998	25	0	10	1	3.7
4254	1	Saddle	1	1998	25	0	10	1	3.7
4256	1	Saddle	1	1994	29	0	10	1	3.7
4261	1	Saddle	1	1998	25	0	10	1	3.7
4264	1	Saddle	1	1998	25	0	10	1	3.7
4265	1	Saddle	1	1994	29	0	10	1	3.7
4267	1	Saddle	1	1981	42	0	10	1	3.7
4268	1	Saddle	1	1994	29	0	10	1	3.7
4269	1	Saddle	1	1998	25	0	10	1	3.7
4270	1	Saddle	1	1998	25	0	10	1	3.7
4271	1	Saddle	1	1998	25	0	10	1	3.7
4272	1	Saddle	1	1981	42	0	10	1	3.7
4273	1	Saddle	1	1998	25	0	10	1	3.7
4274	1	Saddle	1	1998	25	0	10	1	3.7
4275	1	Saddle	2	2005	18	0	10	1	3.7
4276	1	Saddle	1	1994	29	0	10	1	3.7
4277	1	Saddle	1	1998	25	0	10	1	3.7
4278	1	Saddle	1	1994	29	0	10	1	3.7
4279	1	Saddle	1	1994	29	0	10	1	3.7
4280	1	Saddle	1	1994	29	0	10	1	3.7
4283	1	Saddle	2	2009	14	0	10	1	3.7
4284	1	Saddle	1	1981	42	0	10	1	3.7
4285	1	Saddle	1	1981	42	0	10	1	3.7
4289	1	Saddle	2	2009	14	0	10	1	3.7
4290	1	Saddle	2	2009	14	0	10	1	3.7
4292	1	Saddle	1	1981	42	0	10	1	3.7
4294	1	Saddle	2	2009	14	0	10	1	3.7
4302	1	Saddle	1	1981	42	0	10	1	3.7
4305	1	Saddle	2	2009	14	0	10	1	3.7
4306	1	Saddle	2	2009	14	0	10	1	3.7
4307	1	Saddle			0	0	7	1	2.8
4308	1	Saddle	2	2009	14	0	10	1	3.7
4309	1	Saddle			0	0	7	1	2.8
4311	1	Saddle	1	1981	42	0	10	1	3.7
4313	1	Saddle	1	1981	42	0	10	1	3.7
4317	1	Saddle	1		0	0	7	1	2.8
4320	1	Saddle	2	2009	14	0	10	1	3.7
4322	1	Saddle	1		0	0	7	1	2.8
4323	1	Saddle	2	2009	14	0	10	1	3.7
4325	1	Saddle	1	1981	42	0	10	1	3.7
4329	1	Saddle	2	2009	14	0	10	1	3.7
4330	1	Saddle	1		0	0	7	1	2.8
4331	1	Saddle	2	2009	14	0	10	1	3.7
4332	1	Saddle	2	2009	14	0	10	1	3.7
4333	1	Saddle	1		0	0	7	1	2.8
4337	1	Saddle			0	0	7	1	2.8
4339	1	Saddle	1	1981	42	0	10	1	3.7
4345	1	Saddle	1	1981	42	0	10	1	3.7
4346	1	Saddle			0	0	7	1	2.8
4347	1	Saddle	2	2009	14	0	10	1	3.7
4348	1	Saddle	1	1981	42	0	10	1	3.7
4349	1	Saddle	2	2009	14	0	10	1	3.7
4352	1	Saddle	2	2009	14	0	10	1	3.7
4353	1	Saddle	2	2009	14	0	10	1	3.7
4355	1	Saddle	1		0	0	7	1	2.8
4356	1	Saddle	1	1981	42	0	10	1	3.7
4358	1	Saddle	1		0	0	7	1	2.8
4359	1	Saddle	1	1981	42	0	10	1	3.7
4362	1	Saddle	1	1981	42	0	10	1	3.7
4364	1	Saddle	2	2009	14	0	10	1	3.7
4365	1	Saddle	2	2009	14	0	10	1	3.7
4370	1	Saddle	1	1981	42	0	10	1	3.7
4371	1	Saddle	1		0	0	7	1	2.8
4373	1	Saddle	1	2000	23	0	10	1	3.7
4375	1	Saddle	1	1981	42	0	10	1	3.7
4376	1	Saddle	1.5	2000	23	0	10	1	3.7
4379	1	Saddle			0	0	7	1	2.8
4380	1	Saddle	2		0	0	7	1	2.8
4382	1	Saddle	1	1981	42	0	10	1	3.7
4383	1	Saddle	1	2000	23	0	10	1	3.7
4384	1	Saddle	1	2000	23	0	10	1	3.7
4391	1	Saddle	1	2000	23	0	10	1	3.7
4393	1	Saddle	1	2000	23	0	10	1	3.7
4395	1	Saddle	1	2000	23	0	10	1	3.7

4397	1	Saddle	1		1981	42	0	10	1	3.7
4398	1	Saddle	1		2000	23	0	10	1	3.7
4399	1	Saddle	1		1995	28	0	10	1	3.7
4400	1	Saddle	1		1981	42	0	10	1	3.7
4402	1	Saddle	1			0	0	7	1	2.8
4404	1	Saddle	1		1990	33	0	10	1	3.7
4410	1	Saddle	1		1987	36	0	10	1	3.7
4416	1	Saddle	1		1995	28	0	10	1	3.7
4417	1	Saddle	2		2021	2	0	1	1	1
4418	1	Saddle	1		1995	28	0	10	1	3.7
4419	1	Saddle	1		1987	36	0	10	1	3.7
4425	1	Saddle	1		1987	36	0	10	1	3.7
4426	1	Saddle	1		1981	42	0	10	1	3.7
4427	1	Saddle	1		1996	27	0	10	1	3.7
4429	1	Saddle	1		1987	36	0	10	1	3.7
4432	1	Saddle	1		1981	42	0	10	1	3.7
4433	1	Saddle				0	0	7	1	2.8
4434	1	Saddle	2		2013	10	0	1	1	1
4436	1	Saddle	2		2013	10	0	1	1	1
4438	1	Saddle				0	0	7	1	2.8
4440	1	Saddle	1		1987	36	0	10	1	3.7
4442	1	Saddle	1		1996	27	0	10	1	3.7
4443	1	Saddle	1		1996	27	0	10	1	3.7
4445	1	Saddle	1		1981	42	0	10	1	3.7
4446	1	Saddle			1987	36	0	10	1	3.7
4447	1	Saddle			1987	36	0	10	1	3.7
4448	1	Saddle			1987	36	0	10	1	3.7
4449	1	Saddle	1			0	0	7	1	2.8
4450	1	Saddle	1		1996	27	0	10	1	3.7
4453	1	Saddle	2		2004	19	0	10	1	3.7
4455	1	Saddle				0	0	7	1	2.8
4456	1	Saddle				0	0	7	1	2.8
4457	1	Saddle			1981	42	0	10	1	3.7
4458	1	Saddle	1		1996	27	0	10	1	3.7
4460	1	Saddle	2		2013	10	0	1	1	1
4461	1	Saddle	2		2013	10	0	1	1	1
4464	1	Saddle	1		1996	27	0	10	1	3.7
4465	1	Saddle	1		1996	27	0	10	1	3.7
4468	1	Saddle	1		1981	42	0	10	1	3.7
4469	1	Saddle	2		2013	10	0	1	1	1
4470	1	Saddle	2		2013	10	0	1	1	1
4471	1	Saddle	1		2004	19	0	10	1	3.7
4472	1	Saddle	1		2004	19	0	10	1	3.7
4473	1	Saddle	1		1981	42	0	10	1	3.7
4476	1	Saddle	1		1981	42	0	10	1	3.7
4479	1	Saddle	1		2004	19	0	10	1	3.7
4480	1	Saddle	2		2004	19	0	10	1	3.7
4481	1	Saddle	2		1996	27	0	10	1	3.7
4484	1	Saddle	1		2001	22	0	10	1	3.7
4485	1	Saddle	2		2013	10	0	1	1	1
4486	1	Saddle	1.5		2001	22	0	10	1	3.7
4488	1	Saddle	2		2004	19	0	10	1	3.7
4489	1	Saddle	1		1981	42	0	10	1	3.7
4494	1	Saddle	2	DoubleStrappedStainlessSteelBands	2004	19	0	10	1	3.7
4496	1	Saddle	1		1981	42	0	10	1	3.7
4499	1	Saddle	1		1996	27	0	10	1	3.7
4500	1	Saddle	1		2004	19	0	10	1	3.7
4501	1	Saddle	2		1996	27	0	10	1	3.7
4503	1	Saddle	1		1992	31	0	10	1	3.7
4504	1	Saddle	1		2004	19	0	10	1	3.7
4505	1	Saddle	1		1996	27	0	10	1	3.7
4508	1	Saddle	1		1996	27	0	10	1	3.7
4510	1	Saddle	1		1996	27	0	10	1	3.7
4511	1	Saddle	2		2001	22	0	10	1	3.7
4514	1	Saddle	2			0	0	7	1	2.8
4515	1	Saddle	1		1996	27	0	10	1	3.7
4516	1	Saddle	1		1992	31	0	10	1	3.7
4517	1	Saddle	2		2001	22	0	10	1	3.7
4519	1	Saddle	1		1992	31	0	10	1	3.7
4520	1	Saddle	1		1981	42	0	10	1	3.7
4521	1	Saddle	1		1996	27	0	10	1	3.7
4522	1	Saddle	1.5		1992	31	0	10	1	3.7
4524	1	Saddle				0	0	7	1	2.8
4525	1	Saddle	1		1992	31	0	10	1	3.7
4527	1	Saddle	1		1981	42	0	10	1	3.7
4528	1	Saddle	1		2001	22	0	10	1	3.7
4530	1	Saddle	1		1992	31	0	10	1	3.7
4531	1	Saddle	1		2001	22	0	10	1	3.7
4542	1	Saddle	1		1992	31	0	10	1	3.7
4543	1	Saddle	2		2001	22	0	10	1	3.7
4546	1	Saddle			1981	42	0	10	1	3.7
4547	1	Saddle	1		1984	39	0	10	1	3.7
4548	1	Saddle	1		1992	31	0	10	1	3.7
4549	1	Saddle	1		1984	39	0	10	1	3.7
4550	1	Saddle				0	0	7	1	2.8
4551	1	Saddle	1		1981	42	0	10	1	3.7
4554	1	Saddle	1		1998	25	0	10	1	3.7
4556	1	Saddle	1		1984	39	0	10	1	3.7
4557	1	Saddle	1		1984	39	0	10	1	3.7
4558	1	Saddle	1		1998	25	0	10	1	3.7
4560	1	Saddle	1		1998	25	0	10	1	3.7
4562	1	Saddle				0	0	7	1	2.8

4563	1	Saddle	1	1984	39	0	10	1	3.7
4564	1	Saddle	1		0	0	7	1	2.8
4566	1	Saddle			0	0	7	1	2.8
4568	1	Saddle	1	1981	42	0	10	1	3.7
4569	1	Saddle	1	1992	31	0	10	1	3.7
4572	1	Saddle	1	1981	42	0	10	1	3.7
4576	1	Saddle	1	1984	39	0	10	1	3.7
4577	1	Saddle	1.5	1992	31	0	10	1	3.7
4579	1	Saddle	1	1998	25	0	10	1	3.7
4582	1	Saddle			0	0	7	1	2.8
4589	1	Saddle	1	1992	31	0	10	1	3.7
4590	1	Saddle	1	1998	25	0	10	1	3.7
4592	1	Saddle			0	0	7	1	2.8
4593	1	Saddle	3	1994	29	0	10	1	3.7
4598	1	Saddle	1		0	0	7	1	2.8
4599	1	Saddle			0	0	7	1	2.8
4600	1	Saddle	1	1998	25	0	10	1	3.7
4601	1	Saddle	1	1992	31	0	10	1	3.7
4604	1	Saddle	1	1992	31	0	10	1	3.7
4607	1	Saddle	1	1992	31	0	10	1	3.7
4608	1	Saddle	1	1998	25	0	10	1	3.7
4610	1	Saddle	1	1998	25	0	10	1	3.7
4611	1	Saddle	1	1984	39	0	10	1	3.7
4612	1	Saddle	1	1998	25	0	10	1	3.7
4613	1	Saddle	1	1998	25	0	10	1	3.7
4614	1	Saddle	2		0	0	7	1	2.8
4616	1	Saddle	1	1998	25	0	10	1	3.7
4617	1	Saddle	1	1992	31	0	10	1	3.7
4620	1	Saddle	1	1992	31	0	10	1	3.7
4624	1	Saddle	1	1992	31	0	10	1	3.7
4625	1	Saddle	1	1998	25	0	10	1	3.7
4627	1	Saddle	1	1992	31	0	10	1	3.7
4629	1	Saddle	1	1998	25	0	10	1	3.7
4630	1	Saddle	1	1998	25	0	10	1	3.7
4632	1	Saddle	1	1984	39	0	10	1	3.7
4633	1	Saddle	1	1998	25	0	10	1	3.7
4635	1	Saddle	1	1992	31	0	10	1	3.7
4638	1	Saddle	1	1992	31	0	10	1	3.7
4640	1	Saddle	1	1992	31	0	10	1	3.7
4641	1	Saddle	1	1992	31	0	10	1	3.7
4642	1	Saddle	1	1992	31	0	10	1	3.7
4649	1	Saddle	1		0	0	7	1	2.8
4657	1	Saddle	1		0	0	7	1	2.8
4663	1	Saddle	1	1969	54	0	10	1	3.7
4665	1	Saddle	1		0	0	7	1	2.8
4666	1	Saddle	0.75	1969	54	0	10	1	3.7
4669	1	Saddle	1	1969	54	0	10	1	3.7
4672	1	Saddle	1	2019	4	0	1	1	1
4676	1	Saddle	1		0	0	7	1	2.8
4678	1	Saddle	0.75	1969	54	0	10	1	3.7
4679	1	Saddle	0.75	1969	54	0	10	1	3.7
4681	1	Saddle	1	1969	54	0	10	1	3.7
4682	1	Saddle	1	1969	54	0	10	1	3.7
4686	1	Saddle	1		0	0	7	1	2.8
4690	1	Saddle	1		0	0	7	1	2.8
4692	1	Saddle	0.75	1969	54	0	10	1	3.7
4694	1	Saddle	1	1969	54	0	10	1	3.7
4695	1	Saddle	1	1969	54	0	10	1	3.7
4696	1	Saddle	0.75	1969	54	0	10	1	3.7
4705	1	Saddle	2	1997	26	0	10	1	3.7
4706	1	Saddle			0	0	7	1	2.8
4708	1	Saddle	2	1997	26	0	10	1	3.7
4710	1	Saddle	1	1969	54	0	10	1	3.7
4712	1	Saddle	1		0	0	7	1	2.8
4716	1	Saddle	1		0	0	7	1	2.8
4718	1	Saddle	1	1969	54	0	10	1	3.7
4719	1	Saddle	1	1969	54	0	10	1	3.7
4725	1	Saddle	1	1969	54	0	10	1	3.7
4727	1	Saddle	1		0	0	7	1	2.8
4728	1	Saddle	2	2000	23	0	10	1	3.7
4729	1	Saddle	1	1969	54	0	10	1	3.7
4735	1	Saddle	1	1997	26	0	10	1	3.7
4736	1	Saddle	1		0	0	7	1	2.8
4737	1	Saddle	1	2000	23	0	10	1	3.7
4739	1	Saddle	1	2000	23	0	10	1	3.7
4740	1	Saddle	1	2000	23	0	10	1	3.7
4741	1	Saddle	1.5	2000	23	0	10	1	3.7
4745	1	Saddle	1	1969	54	0	10	1	3.7
4746	1	Saddle	1	1969	54	0	10	1	3.7
4747	1	Saddle	1	1969	54	0	10	1	3.7
4749	1	Saddle	1	2000	23	0	10	1	3.7
4750	1	Saddle	2	2016	7	0	1	1	1
4757	1	Saddle	1	1969	54	0	10	1	3.7
4761	1	Saddle	1	2000	23	0	10	1	3.7
4763	1	Saddle	1		0	0	7	1	2.8
4764	1	Saddle	1		0	0	7	1	2.8
4766	1	Saddle	1	2000	23	0	10	1	3.7
4767	1	Saddle	1	1997	26	0	10	1	3.7
4769	1	Saddle	1	1969	54	0	10	1	3.7
4770	1	Saddle		1969	54	0	10	1	3.7
4773	1	Saddle	1	2000	23	0	10	1	3.7
4774	1	Saddle	1	1997	26	0	10	1	3.7

4775	1	Saddle	1	1969	54	0	10	1	3.7
4781	1	Saddle	2	2000	23	0	10	1	3.7
4785	1	Saddle	1		0	0	7	1	2.8
4790	1	Saddle	1	1969	54	0	10	1	3.7
4791	1	Saddle	1	1969	54	0	10	1	3.7
4792	1	Saddle	1	2000	23	0	10	1	3.7
4793	1	Saddle	2	2000	23	0	10	1	3.7
4795	1	Saddle	2	2000	23	0	10	1	3.7
4796	1	Saddle	1.5	2000	23	0	10	1	3.7
4797	1	Saddle	2	2000	23	0	10	1	3.7
4800	1	Saddle	1	1969	54	0	10	1	3.7
4801	1	Saddle	1	1969	54	0	10	1	3.7
4804	1	Saddle	1	2000	23	0	10	1	3.7
4805	1	Saddle	2	2000	23	0	10	1	3.7
4809	1	Saddle	1	1969	54	0	10	1	3.7
4812	1	Saddle	1	1969	54	0	10	1	3.7
4823	1	Saddle	1	1969	54	0	10	1	3.7
4824	1	Saddle	1	1969	54	0	10	1	3.7
4825	1	Saddle	1	1969	54	0	10	1	3.7
4826	1	Saddle	1	1969	54	0	10	1	3.7
4828	1	Saddle	1	1969	54	0	10	1	3.7
4829	1	Saddle	1	1969	54	0	10	1	3.7
4833	1	Saddle	1	1969	54	0	10	1	3.7
4836	1	Saddle	1	1969	54	0	10	1	3.7
4837	1	Saddle	1	1969	54	0	10	1	3.7
4839	1	Saddle	1	1969	54	0	10	1	3.7
4841	1	Saddle	1	1969	54	0	10	1	3.7
4843	1	Saddle	1	1969	54	0	10	1	3.7
4845	1	Saddle	1	1969	54	0	10	1	3.7
4848	1	Saddle	1	1969	54	0	10	1	3.7
4851	1	Saddle	1	1969	54	0	10	1	3.7
4853	1	Saddle	1	1969	54	0	10	1	3.7
4855	1	Saddle	1	1969	54	0	10	1	3.7
4856	1	Saddle	1	1969	54	0	10	1	3.7
4858	1	Saddle	1	1969	54	0	10	1	3.7
4860	1	Saddle	1	1969	54	0	10	1	3.7
4867	1	Saddle	1	1969	54	0	10	1	3.7
4868	1	Saddle	1	1969	54	0	10	1	3.7
4871	1	Saddle	1	1969	54	0	10	1	3.7
4874	1	Saddle	1	1969	54	0	10	1	3.7
4876	1	Saddle	1	1969	54	0	10	1	3.7
4877	1	Saddle	1	1969	54	0	10	1	3.7
4878	1	Saddle	1	1969	54	0	10	1	3.7
4882	1	Saddle	1	1969	54	0	10	1	3.7
4883	1	Saddle	1	1969	54	0	10	1	3.7
4885	1	Saddle	1	1969	54	0	10	1	3.7
4889	1	Saddle	1	1969	54	0	10	1	3.7
4890	1	Saddle	1	1969	54	0	10	1	3.7
4892	1	Saddle	1	1969	54	0	10	1	3.7
4894	1	Saddle	1	1969	54	0	10	1	3.7
4895	1	Saddle	1	1969	54	0	10	1	3.7
4896	1	Saddle	1	1969	54	0	10	1	3.7
4900	1	Saddle	1	1969	54	0	10	1	3.7
4903	1	Saddle	1	1969	54	0	10	1	3.7
4904	1	Saddle	1	1969	54	0	10	1	3.7
4907	1	Saddle	1	1969	54	0	10	1	3.7
4909	1	Saddle	1	1969	54	0	10	1	3.7
4912	1	Saddle	1	1969	54	0	10	1	3.7
4913	1	Saddle	1	1969	54	0	10	1	3.7
4914	1	Saddle	1	1969	54	0	10	1	3.7
4917	1	Saddle	1	1969	54	0	10	1	3.7
4922	1	Saddle	1	1969	54	0	10	1	3.7
4927	1	Saddle	1	1969	54	0	10	1	3.7
4928	1	Saddle	1	1969	54	0	10	1	3.7
4929	1	Saddle	1	1969	54	0	10	1	3.7
4932	1	Saddle	1	1969	54	0	10	1	3.7
4933	1	Saddle	1	1969	54	0	10	1	3.7
4936	1	Saddle	0.75	1969	54	0	10	1	3.7
4937	1	Saddle	1	1969	54	0	10	1	3.7
4941	1	Saddle	1	2000	23	0	10	1	3.7
4943	1	Saddle	1	1969	54	0	10	1	3.7
4944	1	Saddle	1	1969	54	0	10	1	3.7
4945	1	Saddle	1	1969	54	0	10	1	3.7
4946	1	Saddle		1969	54	0	10	1	3.7
4954	1	Saddle			0	0	7	1	2.8
4955	1	Saddle			0	0	7	1	2.8
4957	1	Saddle			0	0	7	1	2.8
4958	1	Saddle	1	1998	25	0	10	1	3.7
4961	1	Saddle			0	0	7	1	2.8
4962	1	Saddle	1	1998	25	0	10	1	3.7
4963	1	Saddle	1	1998	25	0	10	1	3.7
4969	1	Saddle	1	1998	25	0	10	1	3.7
4970	1	Saddle	1	1990	33	0	10	1	3.7
4971	1	Saddle	2	2017	6	0	1	1	1
4972	1	Saddle	1	1990	33	0	10	1	3.7
4975	1	Saddle	1	1998	25	0	10	1	3.7
4976	1	Saddle	1	1998	25	0	10	1	3.7
4977	1	Saddle	1	1998	25	0	10	1	3.7
4978	1	Saddle	1	1998	25	0	10	1	3.7
4979	1	Saddle		1985	38	0	10	1	3.7
4983	1	Saddle	1	1998	25	0	10	1	3.7
4985	1	Saddle			0	0	7	1	2.8

4988	1	Saddle	1			1985	38	0	10	1	3.7
4990	1	Saddle					0	0	7	1	2.8
4991	1	Saddle					0	0	7	1	2.8
4992	1	Saddle					0	0	7	1	2.8
4993	1	Saddle					0	0	7	1	2.8
4994	1	Saddle	1			1998	25	0	10	1	3.7
4997	1	Saddle	1			1998	25	0	10	1	3.7
5001	1	Saddle	1			1998	25	0	10	1	3.7
5002	1	Saddle	1			1998	25	0	10	1	3.7
5003	1	Saddle	1			1998	25	0	10	1	3.7
5004	1	Saddle	1			1998	25	0	10	1	3.7
5005	1	Saddle	1			1998	25	0	10	1	3.7
5006	1	Saddle	1			1998	25	0	10	1	3.7
5008	1	Saddle	1			1998	25	0	10	1	3.7
5009	1	Saddle	1			1998	25	0	10	1	3.7
5012	1	Saddle	1			1998	25	0	10	1	3.7
5016	1	Saddle					0	0	7	1	2.8
5021	1	Saddle	1			1998	25	0	10	1	3.7
5024	1	Saddle					0	0	7	1	2.8
5026	1	Saddle	1			1998	25	0	10	1	3.7
5029	1	Saddle					0	0	7	1	2.8
5030	1	Saddle	1			1998	25	0	10	1	3.7
5031	1	Saddle					0	0	7	1	2.8
5032	1	Saddle	1			1998	25	0	10	1	3.7
5038	1	Saddle	1			1998	25	0	10	1	3.7
5039	1	Saddle	1			1998	25	0	10	1	3.7
5041	1	Saddle	1			1996	27	0	10	1	3.7
5042	1	Saddle	1			1996	27	0	10	1	3.7
5043	1	Saddle	1			1996	27	0	10	1	3.7
5044	1	Saddle	1			1996	27	0	10	1	3.7
5045	1	Saddle	1			1998	25	0	10	1	3.7
5047	1	Saddle	2			2020	3	0	1	1	1
5048	1	Saddle	1			1998	25	0	10	1	3.7
5051	1	Saddle					0	0	7	1	2.8
5054	1	Saddle	1			1998	25	0	10	1	3.7
5056	1	Saddle	1			1998	25	0	10	1	3.7
5057	1	Saddle					0	0	7	1	2.8
5060	1	Saddle	2			2016	7	0	1	1	1
5063	1	Saddle	1			1998	25	0	10	1	3.7
5064	1	Saddle	1			1996	27	0	10	1	3.7
5065	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5066	1	Saddle	1			1996	27	0	10	1	3.7
5068	1	Saddle	1			1996	27	0	10	1	3.7
5069	1	Saddle	1			1996	27	0	10	1	3.7
5070	1	Saddle	1			1990	33	0	10	1	3.7
5072	1	Saddle	1			1990	33	0	10	1	3.7
5073	1	Saddle	1			1996	27	0	10	1	3.7
5074	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5075	1	Saddle					0	0	7	1	2.8
5077	1	Saddle	1			1996	27	0	10	1	3.7
5078	1	Saddle	2	DoubleStrap		2020	3	0	1	1	1
5079	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5081	1	Saddle					0	0	7	1	2.8
5082	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5083	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5085	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5087	1	Saddle	1			1994	29	0	10	1	3.7
5088	1	Saddle	1			1994	29	0	10	1	3.7
5089	1	Saddle					0	0	7	1	2.8
5091	1	Saddle	1			1994	29	0	10	1	3.7
5093	1	Saddle	1			1994	29	0	10	1	3.7
5095	1	Saddle					0	0	7	1	2.8
5097	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5098	1	Saddle	1			1994	29	0	10	1	3.7
5099	1	Saddle	1			1994	29	0	10	1	3.7
5100	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5101	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5102	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5105	1	Saddle	1			1994	29	0	10	1	3.7
5106	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5107	1	Saddle	1			1994	29	0	10	1	3.7
5108	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5109	1	Saddle	1			1994	29	0	10	1	3.7
5113	1	Saddle					0	0	7	1	2.8
5116	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5121	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5122	1	Saddle					0	0	7	1	2.8
5123	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5124	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5127	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5128	1	Saddle					0	0	7	1	2.8
5129	1	Saddle					0	0	7	1	2.8
5135	1	Saddle	1	DoubleStrap		1994	29	0	10	1	3.7
5136	1	Saddle	1	DoubleStrap		1994	29	0	10	1	3.7
5137	1	Saddle	1	DoubleStrap		1994	29	0	10	1	3.7
5138	1	Saddle	1	DoubleStrap		1994	29	0	10	1	3.7
5140	1	Saddle	1	DoubleStrap		1994	29	0	10	1	3.7
5141	1	Saddle	1	DoubleStrap		1998	25	0	10	1	3.7
5142	1	Saddle	2			2018	5	0	1	1	1
5145	1	Saddle	1	DoubleStrap		1994	29	0	10	1	3.7
5149	1	Saddle	1	DoubleStrap		1994	29	0	10	1	3.7
5152	1	Saddle	1	DoubleStrap		1994	29	0	10	1	3.7

5153	1	Saddle	2		2008	15	0	10	1	3.7
5154	1	Saddle	1	DoubleStrap	1994	29	0	10	1	3.7
5155	1	Saddle	1	DoubleStrap	1994	29	0	10	1	3.7
5157	1	Saddle	1	DoubleStrap	1994	29	0	10	1	3.7
5160	1	Saddle	2		2017	6	0	1	1	1
5161	1	Saddle	1		1994	29	0	10	1	3.7
5162	1	Saddle	2		2017	6	0	1	1	1
5164	1	Saddle	2		2008	15	0	10	1	3.7
5165	1	Saddle	2		2017	6	0	1	1	1
5167	1	Saddle	1		1994	29	0	10	1	3.7
5169	1	Saddle	2		2017	6	0	1	1	1
5170	1	Saddle	2		2017	6	0	1	1	1
5172	1	Saddle	2		2017	6	0	1	1	1
5173	1	Saddle			2017	6	0	1	1	1
5174	1	Saddle	2		2011	12	0	10	1	3.7
5175	1	Saddle	2		2017	6	0	1	1	1
5178	1	Saddle	2		2017	6	0	1	1	1
5179	1	Saddle				0	0	7	1	2.8
5182	1	Saddle	2		2017	6	0	1	1	1
5184	1	Saddle	2		2017	6	0	1	1	1
5189	1	Saddle	1		1967	56	0	10	1	3.7
5190	1	Saddle	1		1967	56	0	10	1	3.7
5191	1	Saddle	1		1967	56	0	10	1	3.7
5194	1	Saddle	1		1967	56	0	10	1	3.7
5195	1	Saddle	1		1967	56	0	10	1	3.7
5199	1	Saddle	1		1967	56	0	10	1	3.7
5200	1	Saddle	1		1967	56	0	10	1	3.7
5205	1	Saddle	1		1967	56	0	10	1	3.7
5206	1	Saddle	1		1967	56	0	10	1	3.7
5207	1	Saddle	1		1967	56	0	10	1	3.7
5209	1	Saddle	1		1967	56	0	10	1	3.7
5210	1	Saddle	1		1967	56	0	10	1	3.7
5213	1	Saddle	1		1967	56	0	10	1	3.7
5217	1	Saddle	1		1967	56	0	10	1	3.7
5218	1	Saddle	1		1967	56	0	10	1	3.7
5219	1	Saddle	1		1967	56	0	10	1	3.7
5220	1	Saddle	1		1967	56	0	10	1	3.7
5221	1	Saddle	1		1967	56	0	10	1	3.7
5222	1	Saddle	1		1967	56	0	10	1	3.7
5231	1	Saddle	1		1967	56	0	10	1	3.7
5232	1	Saddle	1		1967	56	0	10	1	3.7
5233	1	Saddle	1		1967	56	0	10	1	3.7
5237	1	Saddle	1		1967	56	0	10	1	3.7
5238	1	Saddle	1		1967	56	0	10	1	3.7
5239	1	Saddle	1		1967	56	0	10	1	3.7
5245	1	Saddle	1		1967	56	0	10	1	3.7
5247	1	Saddle	1		1967	56	0	10	1	3.7
5251	1	Saddle	1		1967	56	0	10	1	3.7
5252	1	Saddle	1		1967	56	0	10	1	3.7
5253	1	Saddle	1		1967	56	0	10	1	3.7
5255	1	Saddle	1		1967	56	0	10	1	3.7
5256	1	Saddle	1		1967	56	0	10	1	3.7
5258	1	Saddle	1		1967	56	0	10	1	3.7
5265	1	Saddle	1		1967	56	0	10	1	3.7
5266	1	Saddle	1		1967	56	0	10	1	3.7
5267	1	Saddle	1		1967	56	0	10	1	3.7
5270	1	Saddle	1		1967	56	0	10	1	3.7
5271	1	Saddle	1		1967	56	0	10	1	3.7
5272	1	Saddle	1		1967	56	0	10	1	3.7
5275	1	Saddle	1			0	0	7	1	2.8
5278	1	Saddle	1			0	0	7	1	2.8
5313	1	Saddle	1.5			0	0	7	1	2.8
5317	1	Saddle				0	0	7	1	2.8
5322	1	Saddle	1		1995	28	0	10	1	3.7
5324	1	Saddle	2		1995	28	0	10	1	3.7
5325	1	Saddle	1		1995	28	0	10	1	3.7
5331	1	Saddle				0	0	7	1	2.8
5332	1	Saddle	1.5		2000	23	0	10	1	3.7
5335	1	Saddle	2		2000	23	0	10	1	3.7
5336	1	Saddle				0	0	7	1	2.8
5337	1	Saddle	2		1995	28	0	10	1	3.7
5338	1	Saddle	1		1995	28	0	10	1	3.7
5343	1	Saddle	2		1995	28	0	10	1	3.7
5344	1	Saddle	1		2000	23	0	10	1	3.7
5350	1	Saddle	1		1984	39	0	10	1	3.7
5353	1	Saddle	1.5		2000	23	0	10	1	3.7
5355	1	Saddle	1		1984	39	0	10	1	3.7
5356	1	Saddle	1		2000	23	0	10	1	3.7
5357	1	Saddle	1		2000	23	0	10	1	3.7
5360	1	Saddle	1		1995	28	0	10	1	3.7
5366	1	Saddle	1		1995	28	0	10	1	3.7
5368	1	Saddle	1		1984	39	0	10	1	3.7
5373	1	Saddle	1		1995	28	0	10	1	3.7
5374	1	Saddle	1		1984	39	0	10	1	3.7
5379	1	Saddle	1		1984	39	0	10	1	3.7
5382	1	Saddle	1		1998	25	0	10	1	3.7
5383	1	Saddle	1		1984	39	0	10	1	3.7
5386	1	Saddle	1		1984	39	0	10	1	3.7
5387	1	Saddle	1		1984	39	0	10	1	3.7
5388	1	Saddle	1		1984	39	0	10	1	3.7
5389	1	Saddle	1		1994	29	0	10	1	3.7
5391	1	Saddle	1			0	0	7	1	2.8

5393	1	Saddle	1		2002	21	0	10	1	3.7
5394	1	Saddle	1		2002	21	0	10	1	3.7
5395	1	Saddle	1		1995	28	0	10	1	3.7
5396	1	Saddle	1		1995	28	0	10	1	3.7
5397	1	Saddle	1		1995	28	0	10	1	3.7
5403	1	Saddle	1		1995	28	0	10	1	3.7
5405	1	Saddle	1		1995	28	0	10	1	3.7
5406	1	Saddle	1		1995	28	0	10	1	3.7
5407	1	Saddle	1		1979	44	0	10	1	3.7
5411	1	Saddle	1		1995	28	0	10	1	3.7
5412	1	Saddle	1		1995	28	0	10	1	3.7
5414	1	Saddle	1		1995	28	0	10	1	3.7
5416	1	Saddle	1		1995	28	0	10	1	3.7
5417	1	Saddle	1		1995	28	0	10	1	3.7
5433	1	Saddle	1.5	Doublestrapsaddle	0	2023	0	10	1	3.7
5434	1	Saddle	2	DoubleStrapSaddle		0	0	7	1	2.8
5435	1	Saddle	2		1977	46	0	10	1	3.7
5441	1	Saddle	1.5			0	0	7	1	2.8
5442	1	Saddle	1.5			0	0	7	1	2.8
5443	1	Saddle	1.5			0	0	7	1	2.8
5444	0	Saddle	1			0	0	7	1	2.8
5445	1	Saddle				0	0	7	1	2.8
5463	0	Saddle	2		2014	9	0	1	1	1
5464	0	Saddle	2		2014	9	0	1	1	1
5465	0	Saddle	2		2014	9	0	1	1	1
5466	1	Saddle	1		1995	28	0	10	1	3.7
5467	1	Saddle	1		1995	28	0	10	1	3.7
5468	0	Saddle	1		1995	28	0	10	1	3.7
5469	0	Saddle	1		1995	28	0	10	1	3.7
5472	0	Saddle	1	DoubleStrap	1994	29	0	10	1	3.7
5475	0	Saddle	1	DoubleStrap	1994	29	0	10	1	3.7
5476	0	Saddle	1	DoubleStrap	1994	29	0	10	1	3.7
5477	0	Saddle	1	DoubleStrap	1998	25	0	10	1	3.7
5479	0	Saddle	1	DoubleStrap	1998	25	0	10	1	3.7
5480	0	Saddle	1	DoubleStrap	1998	25	0	10	1	3.7
5482	0	Saddle	1			0	0	7	1	2.8
5483	0	Saddle	1			0	0	7	1	2.8
5484	0	Saddle	1			0	0	7	1	2.8
5485	0	Saddle	1			0	0	7	1	2.8
5486	0	Saddle	1			0	0	7	1	2.8
5487	0	Saddle	1			0	0	7	1	2.8
5488	0	Saddle	2			0	0	7	1	2.8
5489	0	Saddle	1		1999	24	0	10	1	3.7
5490	0	Saddle	1		1999	24	0	10	1	3.7
5491	0	Saddle	1		1999	24	0	10	1	3.7
5492	0	Saddle	1		1999	24	0	10	1	3.7
5493	0	Saddle	1		1999	24	0	10	1	3.7
5494	0	Saddle	1		1999	24	0	10	1	3.7
5501	0	Saddle	1		1983	40	0	10	1	3.7
5503	0	Saddle	1			0	0	7	1	2.8
5504	0	Saddle	1			0	0	7	1	2.8
5505	0	Saddle	1			0	0	7	1	2.8
5506	0	Saddle	1			0	0	7	1	2.8
5507	0	Saddle	1			0	0	7	1	2.8
5508	0	Saddle	1			0	0	7	1	2.8
5509	0	Saddle	2		2021	2	0	1	1	1
5511	0	Saddle	1			0	0	7	1	2.8
5512	0	Saddle	2		2007	16	0	10	1	3.7
5513	0	Saddle	1			0	0	7	1	2.8
5514	0	Saddle	2		2013	10	0	1	1	1
5515	0	Saddle	2		2013	10	0	1	1	1
5516	0	Saddle	2		2013	10	0	1	1	1
5519	0	Saddle	1		2004	19	0	10	1	3.7
5520	0	Saddle	2		2004	19	0	10	1	3.7
5522	0	Saddle	1		1988	35	0	10	1	3.7
5525	0	Saddle	1		1994	29	0	10	1	3.7
5526	0	Saddle	1		1999	24	0	10	1	3.7
5527	0	Saddle	1		1999	24	0	10	1	3.7
5528	0	Saddle	1		1999	24	0	10	1	3.7
5529	0	Saddle	1		1999	24	0	10	1	3.7
5530	0	Saddle	1		1996	27	0	10	1	3.7
5535	0	Saddle	1			0	Corrosion	7	10	9.1
5537	0	Saddle	1		1996	27	0	10	1	3.7
5538	0	Saddle	1		1996	27	0	10	1	3.7
5539	0	Saddle	1		1996	27	0	10	1	3.7
5540	0	Saddle	1		1996	27	0	10	1	3.7
5541	0	Saddle	1		1996	27	0	10	1	3.7
5542	0	Saddle	1		1996	27	0	10	1	3.7
5543	0	Saddle	1		1996	27	0	10	1	3.7
5544	0	Saddle	1		1996	27	0	10	1	3.7
5546	0	Saddle	1		1969	54	Corrosion	10	10	10
5549	0	Saddle	1		1969	54	Corrosion	10	10	10
5553	0	Saddle	1		1996	27	0	10	1	3.7
5554	0	Saddle	1		1996	27	0	10	1	3.7
5555	0	Saddle	1		1996	27	0	10	1	3.7
5556	0	Saddle	1		1996	27	0	10	1	3.7
5558	0	Saddle	1		1997	26	0	10	1	3.7
5559	0	Saddle	1		1997	26	0	10	1	3.7
5561	0	Saddle	1			0	Corrosion	7	10	9.1
5562	0	Saddle	1			0	Corrosion	7	10	9.1
5563	0	Saddle	1		1996	27	0	10	1	3.7
5564	0	Saddle	1		1996	27	0	10	1	3.7

5565	0	Saddle	1	1996	27	0	10	1	3.7
5566	0	Saddle	1	1996	27	0	10	1	3.7
5567	0	Saddle		1969	54	Corrosion	10	10	10
5568	0	Saddle	1	1969	54	Corrosion	10	10	10
5571	0	Saddle	1	1969	54	Corrosion	10	10	10
5573	0	Saddle	1	1969	54	Corrosion	10	10	10
5575	0	Saddle	1	1969	54	Corrosion	10	10	10
5577	0	Saddle	1	1969	54	Corrosion	10	10	10
5579	0	Saddle	1	1969	54	Corrosion	10	10	10
5580	0	Saddle	1	1969	54	Corrosion	10	10	10
5581	0	Saddle	1	1969	54	Corrosion	10	10	10
5583	0	Saddle	1	1969	54	Corrosion	10	10	10
5584	0	Saddle	1	1969	54	Corrosion	10	10	10
5587	0	Saddle	2		0	Corrosion	7	10	9.1
5590	0	Saddle	1	1969	54	Corrosion	10	10	10
5592	0	Saddle	1	1969	54	Corrosion	10	10	10
5595	0	Saddle	1	1969	54	Corrosion	10	10	10
5597	0	Saddle	1	1969	54	Corrosion	10	10	10
5599	0	Saddle	1	1969	54	Corrosion	10	10	10
5601	0	Saddle	1	1969	54	Corrosion	10	10	10
5605	0	Saddle	1	1969	54	Corrosion	10	10	10
5616	0	Saddle			0	Corrosion	7	10	9.1
5620	0	Saddle	1	1969	54	Corrosion	10	10	10
5622	0	Saddle	1	1969	54	Corrosion	10	10	10
5626	0	Saddle	1	1969	54	Corrosion	10	10	10
5629	0	Saddle	1	1969	54	Corrosion	10	10	10
5636	0	Saddle	1	1969	54	Corrosion	10	10	10
5638	0	Saddle	1	1969	54	Corrosion	10	10	10
5644	0	Saddle	1	1969	54	Corrosion	10	10	10
5649	0	Saddle	1	1969	54	Corrosion	10	10	10
5652	0	Saddle	1	1969	54	Corrosion	10	10	10
5658	0	Saddle	1	1969	54	Corrosion	10	10	10
5659	0	Saddle	1	1969	54	Corrosion	10	10	10
5667	0	Saddle	1	1969	54	Corrosion	10	10	10
5669	0	Saddle	1	1969	54	Corrosion	10	10	10
5689	0	Saddle	1		0	Corrosion	7	10	9.1
5695	0	Saddle			0	Corrosion	7	10	9.1
5724	0	Saddle	1.5		0	Corrosion	7	10	9.1
5736	0	Saddle	1.5	1969	54	0	10	1	3.7
5743	0	Saddle	1	1969	54	0	10	1	3.7
5745	0	Saddle	1	1969	54	0	10	1	3.7
5759	0	Saddle	1	1969	54	0	10	1	3.7
5763	0	Saddle	1	1969	54	Corrosion	10	10	10
5764	0	Saddle	1	1969	54	Corrosion	10	10	10
5767	0	Saddle	1	1969	54	Corrosion	10	10	10
5775	0	Saddle	1	1969	54	Corrosion	10	10	10
5777	0	Saddle	1	1969	54	Corrosion	10	10	10
5786	0	Saddle	1	1969	54	Corrosion	10	10	10
5787	0	Saddle	1	1969	54	Corrosion	10	10	10
5791	0	Saddle	1	1969	54	Corrosion	10	10	10
5794	0	Saddle	1	1969	54	Corrosion	10	10	10
5795	0	Saddle	1	1969	54	Corrosion	10	10	10
5803	0	Saddle	1	1969	54	Corrosion	10	10	10
5807	0	Saddle	1	1969	54	Corrosion	10	10	10
5809	0	Saddle	1	1969	54	Corrosion	10	10	10
5810	0	Saddle	1	1969	54	Corrosion	10	10	10
5814	0	Saddle	1	1969	54	Corrosion	10	10	10
5825	0	Saddle	1	1969	54	Corrosion	10	10	10
5828	0	Saddle	1	1969	54	Corrosion	10	10	10
5830	0	Saddle	1	1969	54	Corrosion	10	10	10
5833	0	Saddle	1	1969	54	Corrosion	10	10	10
5835	0	Saddle	1	1969	54	Corrosion	10	10	10
5839	0	Saddle	1	1969	54	Corrosion	10	10	10
5856	0	Saddle	1	1969	54	Corrosion	10	10	10
5857	0	Saddle	1	1969	54	Corrosion	10	10	10
5859	0	Saddle	1	1969	54	Corrosion	10	10	10
5860	0	Saddle	1	1969	54	Corrosion	10	10	10
5861	0	Saddle	1	1969	54	Corrosion	10	10	10
5863	0	Saddle	1	1969	54	Corrosion	10	10	10
5864	0	Saddle	1	1969	54	Corrosion	10	10	10
5865	0	Saddle	1	1969	54	Corrosion	10	10	10
5866	0	Saddle	1	1969	54	Corrosion	10	10	10
5867	0	Saddle	1	1969	54	Corrosion	10	10	10
5868	0	Saddle	1	1969	54	Corrosion	10	10	10
5922	0	Saddle	1	2006	17	0	10	1	3.7
5924	0	Saddle	1	2006	17	0	10	1	3.7
5927	0	Saddle	1	2006	17	0	10	1	3.7
5928	0	Saddle	1	2006	17	0	10	1	3.7
5929	0	Saddle	1	2006	17	0	10	1	3.7
5936	0	Saddle	1	2006	17	0	10	1	3.7
5937	0	Saddle	1	1969	54	0	10	1	3.7
5941	1	Saddle	1	1969	54	0	10	1	3.7
5942	1	Saddle	1	1969	54	0	10	1	3.7
5945	1	Saddle	1	2000	23	0	10	1	3.7
5952	1	Saddle	1	1969	54	0	10	1	3.7
5956	1	Saddle	1	1969	54	0	10	1	3.7
5960	1	Saddle	1	1969	54	0	10	1	3.7
5964	1	Saddle	1	1969	54	0	10	1	3.7
5971	0	Saddle	1	1969	54	0	10	1	3.7
5995	0	Saddle	1	1969	54	0	10	1	3.7
6002	0	Saddle	1.5	2007	16	0	10	1	3.7
6003	0	Saddle	1	1969	54	0	10	1	3.7

6024	0	Saddle	1	1969	54	0	10	1	3.7
6035	0	Saddle	1	1969	54	0	10	1	3.7
6040	0	Saddle	1	1969	54	0	10	1	3.7
6067	0	Saddle	1	1969	54	0	10	1	3.7
6079	0	Saddle	1	2000	23	0	10	1	3.7
6145	0	Saddle	1	1969	54	0	10	1	3.7
6149	0	Saddle	1	1969	54	0	10	1	3.7
6154	0	Saddle	1	1969	54	0	10	1	3.7
6167	0	Saddle	1	2000	23	0	10	1	3.7
6168	0	Saddle	1.5	1997	26	0	10	1	3.7
6169	0	Saddle	1	1997	26	0	10	1	3.7
6171	0	Saddle	2	2000	23	0	10	1	3.7
6195	0	Saddle	1	1969	54	0	10	1	3.7
6197	0	Saddle		1969	54	0	10	1	3.7
6198	0	Saddle		1969	54	0	10	1	3.7
6213	0	Saddle	2	2006	17	0	10	1	3.7
6222	0	Saddle			0	0	7	1	2.8
6224	0	Saddle	2	2000	23	0	10	1	3.7
6244	0	Saddle	1	1969	54	0	10	1	3.7
6245	0	Saddle	1	1969	54	0	10	1	3.7
6247	0	Saddle	1	1969	54	0	10	1	3.7
6251	0	Saddle	1	1969	54	0	10	1	3.7
6253	0	Saddle	1	1969	54	0	10	1	3.7
6257	0	Saddle	1	1969	54	0	10	1	3.7
6261	0	Saddle			0	0	7	1	2.8
6263	0	Saddle		1969	54	0	10	1	3.7
6266	0	Saddle	2	2004	19	0	10	1	3.7
6267	0	Saddle	2	2004	19	0	10	1	3.7
6268	0	Saddle	1		0	0	7	1	2.8
6269	0	Saddle	1		0	0	7	1	2.8
6275	0	Saddle	1	1969	54	0	10	1	3.7
6280	0	Saddle			0	0	7	1	2.8
6291	0	Saddle	1	1969	54	0	10	1	3.7
6296	0	Saddle	1	1969	54	0	10	1	3.7
6300	0	Saddle	1	1969	54	0	10	1	3.7
6301	0	Saddle	1	1969	54	0	10	1	3.7
6305	0	Saddle	1	1997	26	0	10	1	3.7
6306	0	Saddle	1	1997	26	0	10	1	3.7
6307	0	Saddle	1	1997	26	0	10	1	3.7
6314	0	Saddle	2	1998	25	0	10	1	3.7
6315	0	Saddle	1.5	1998	25	0	10	1	3.7
6320	0	Saddle	1	2000	23	0	10	1	3.7
6329	0	Saddle	2	2001	22	0	10	1	3.7
6332	0	Saddle	1	1992	31	0	10	1	3.7
6333	0	Saddle	1	1992	31	0	10	1	3.7
6335	0	Saddle	1	2004	19	0	10	1	3.7
6342	0	Saddle	2	2001	22	0	10	1	3.7
6352	0	Saddle			0	0	7	1	2.8
6365	0	Saddle			0	0	7	1	2.8
6366	0	Saddle			0	0	7	1	2.8
6369	0	Saddle	1	1981	42	0	10	1	3.7
6372	0	Saddle	1	1981	42	0	10	1	3.7
6374	0	Saddle	1	1981	42	0	10	1	3.7
6375	0	Saddle	1	1981	42	0	10	1	3.7
6376	0	Saddle	1	1981	42	0	10	1	3.7
6377	0	Saddle	1	1981	42	0	10	1	3.7
6382	0	Saddle	1		0	0	7	1	2.8
6383	0	Saddle			0	0	7	1	2.8
6386	0	Saddle	1	1994	29	0	10	1	3.7
6388	0	Saddle	1	1994	29	0	10	1	3.7
6389	0	Saddle	2	1994	29	0	10	1	3.7
6396	0	Saddle	2		0	0	7	1	2.8
6406	0	Saddle	1	1967	56	0	10	1	3.7
6425	0	Saddle	1	1967	56	0	10	1	3.7
6434	0	Saddle			0	0	7	1	2.8
6436	0	Saddle			0	0	7	1	2.8
6437	0	Saddle	1	1998	25	0	10	1	3.7
6439	0	Saddle	1	1998	25	0	10	1	3.7
6440	0	Saddle	1	1998	25	0	10	1	3.7
6441	0	Saddle	1	1998	25	0	10	1	3.7
6442	0	Saddle	1	1998	25	0	10	1	3.7
6443	0	Saddle	1	1998	25	0	10	1	3.7
6444	0	Saddle	1	1998	25	0	10	1	3.7
6445	0	Saddle	1	1998	25	0	10	1	3.7
6447	0	Saddle	1	1994	29	0	10	1	3.7
6448	0	Saddle	1	1994	29	0	10	1	3.7
6449	0	Saddle	1	1994	29	0	10	1	3.7
6450	0	Saddle	1	1994	29	0	10	1	3.7
6451	0	Saddle	1	1994	29	0	10	1	3.7
6452	0	Saddle	1	1994	29	0	10	1	3.7
6453	0	Saddle	1	1994	29	0	10	1	3.7
6454	0	Saddle	1	1994	29	0	10	1	3.7
6455	0	Saddle	2	1994	29	0	10	1	3.7
6456	0	Saddle	2	2017	6	0	1	1	1
6457	0	Saddle	2	2017	6	0	1	1	1
6458	0	Saddle	1	1995	28	0	10	1	3.7
6459	0	Saddle	1	1994	29	0	10	1	3.7
6460	0	Saddle	1	1994	29	0	10	1	3.7
6461	0	Saddle	1	1994	29	0	10	1	3.7
6462	0	Saddle	2		0	0	7	1	2.8
6463	0	Saddle	1	1994	29	0	10	1	3.7
6464	0	Saddle	1	1994	29	0	10	1	3.7

6465	0	Saddle	1	1994	29	0	10	1	3.7
6466	0	Saddle	1	1996	27	0	10	1	3.7
6467	0	Saddle	1	1996	27	0	10	1	3.7
6468	0	Saddle	1	1996	27	0	10	1	3.7
6473	0	Saddle	1	1990	33	0	10	1	3.7
6474	0	Saddle	1	1990	33	0	10	1	3.7
6475	0	Saddle			0	0	7	1	2.8
6476	0	Saddle	1	1990	33	0	10	1	3.7
6479	0	Saddle	1	1990	33	0	10	1	3.7
6480	0	Saddle	1	1990	33	0	10	1	3.7
6481	0	Saddle	2	2020	3	0	1	1	1
6485	0	Saddle			0	0	7	1	2.8
6486	0	Saddle			0	0	7	1	2.8
6487	0	Saddle			0	0	7	1	2.8
6488	0	Saddle			0	0	7	1	2.8
6489	0	Saddle			0	0	7	1	2.8
6490	0	Saddle	1	1998	25	0	10	1	3.7
6491	0	Saddle	1	1998	25	0	10	1	3.7
6493	0	Saddle	1	1998	25	0	10	1	3.7
6494	0	Saddle	1	1998	25	0	10	1	3.7
6496	0	Saddle	2	2017	6	0	1	1	1
6497	0	Saddle			0	0	7	1	2.8
6498	0	Saddle			0	0	7	1	2.8
6499	0	Saddle			0	0	7	1	2.8
6500	0	Saddle	2	2001	22	0	10	1	3.7
6501	0	Saddle	1	1990	33	0	10	1	3.7
6503	0	Saddle	1.5	2000	23	0	10	1	3.7
6504	0	Saddle			0	0	7	1	2.8
6505	0	Saddle			0	0	7	1	2.8
6506	0	Saddle			0	0	7	1	2.8
6507	0	Saddle		1990	33	0	10	1	3.7
6508	0	Saddle			0	0	7	1	2.8
6509	0	Saddle			0	0	7	1	2.8
6510	0	Saddle			0	0	7	1	2.8
6522	0	Saddle	1	2000	23	0	10	1	3.7
6524	0	Saddle	1		0	0	7	1	2.8
6525	0	Saddle	1		0	0	7	1	2.8
6526	0	Saddle			0	0	7	1	2.8
6527	0	Saddle			0	0	7	1	2.8
6534	0	Saddle	1		0	0	7	1	2.8
6537	0	Saddle	1	1998	25	0	10	1	3.7
6538	1	Saddle	1	1998	25	0	10	1	3.7
6542	0	Saddle	1	1998	25	0	10	1	3.7
6547	0	Saddle	1	1991	32	0	10	1	3.7
6549	1	Saddle	1		0	0	7	1	2.8
6550	1	Saddle	1	1999	24	0	10	1	3.7
6552	1	Saddle	1	1978	45	0	10	1	3.7
6553	0	Saddle	1	1985	38	0	10	1	3.7
6554	0	Saddle	2	1985	38	0	10	1	3.7
6557	0	Saddle	2	2016	7	0	1	1	1
6559	0	Saddle	1	2007	16	0	10	1	3.7
6564	1	Saddle	1	1998	25	0	10	1	3.7
6565	1	Saddle	1	1998	25	0	10	1	3.7
6566	1	Saddle	1	1998	25	0	10	1	3.7
6568	0	Saddle	1	1992	31	0	10	1	3.7
6570	0	Saddle	1		0	0	7	1	2.8
6573	0	Saddle	1	2007	16	0	10	1	3.7
6578	0	Saddle	2	2007	16	0	10	1	3.7
6583	0	Saddle	2	2007	16	0	10	1	3.7
6585	0	Saddle	1	2005	18	0	10	1	3.7
6586	0	Saddle	2	2006	17	Corrosion	10	10	10
6587	0	Saddle			0	0	7	1	2.8
6588	0	Saddle	2	2009	14	0	10	1	3.7
6589	0	Saddle	2	2009	14	0	10	1	3.7
6590	0	Saddle	2	2009	14	0	10	1	3.7
6592	0	Saddle	2	2009	14	0	10	1	3.7
6593	0	Saddle	2	2009	14	0	10	1	3.7
6594	0	Saddle	2	2009	14	0	10	1	3.7
6596	0	Saddle	2	2006	17	0	10	1	3.7
6598	0	Saddle	1	7-6-0	-34690	Corrosion	1	10	7.3
6599	0	Saddle	2	2020	3	0	1	1	1
6600	0	Saddle	1		0	0	7	1	2.8
6601	0	Saddle	1		0	0	7	1	2.8
6602	0	Saddle	1	1985	38	0	10	1	3.7
6604	0	Saddle	2	2013	10	0	1	1	1
6605	0	Saddle	1		0	0	7	1	2.8
6606	0	Saddle	1	1985	38	0	10	1	3.7
6607	0	Saddle	2	1985	38	0	10	1	3.7
6614	0	Saddle	1	6-2-0	-34656	0	1	1	1
6617	0	Saddle	2	2016	7	0	1	1	1
6624	0	Saddle	1		0	0	7	1	2.8
6632	0	Saddle			0	0	7	1	2.8
6633	0	Saddle			0	0	7	1	2.8
6634	0	Saddle	1		0	0	7	1	2.8
6635	0	Saddle	1		0	0	7	1	2.8
6636	0	Saddle	1		0	0	7	1	2.8
6638	0	Saddle	1.5		0	0	7	1	2.8
6642	0	Saddle			0	0	7	1	2.8
6644	0	Saddle	1		0	0	7	1	2.8
6645	0	Saddle	1.5		0	0	7	1	2.8
6650	0	Saddle	1		0	0	7	1	2.8
6654	0	Saddle	2	1997	26	0	10	1	3.7

6655	0	Saddle	2		1997	26	0	10	1	3.7
6657	0	Saddle	1		1997	26	0	10	1	3.7
6661	0	Saddle				0	0	7	1	2.8
6665	0	Saddle	1			0	0	7	1	2.8
6666	0	Saddle	1			0	0	7	1	2.8
6669	0	Saddle	1		1983	40	0	10	1	3.7
6670	0	Saddle	1		2004	19	0	10	1	3.7
6673	0	Saddle				0	0	7	1	2.8
6674	0	Saddle	1		1987	36	0	10	1	3.7
6675	0	Saddle				0	0	7	1	2.8
6676	0	Saddle	1		1978	45	0	10	1	3.7
6677	0	Saddle	1			0	0	7	1	2.8
6678	0	Saddle	1		1977	46	0	10	1	3.7
6679	0	Saddle	1		1985	38	0	10	1	3.7
6681	0	Saddle	1		2002	21	0	10	1	3.7
6682	0	Saddle	1		2002	21	0	10	1	3.7
6683	0	Saddle	1		2002	21	0	10	1	3.7
6684	0	Saddle	1		1994	29	0	10	1	3.7
6686	0	Saddle	1		2002	21	0	10	1	3.7
6687	0	Saddle	1		2002	21	0	10	1	3.7
6688	0	Saddle	1		2002	21	0	10	1	3.7
6689	0	Saddle	1		2002	21	0	10	1	3.7
6690	0	Saddle	1		2002	21	0	10	1	3.7
6692	0	Saddle	1		1994	29	0	10	1	3.7
6693	0	Saddle	1		1994	29	0	10	1	3.7
6695	0	Saddle	1		1994	29	0	10	1	3.7
6697	0	Saddle	1		1994	29	0	10	1	3.7
6699	0	Saddle			1983	40	0	10	1	3.7
6701	0	Saddle	1		1977	46	0	10	1	3.7
6703	0	Saddle	1		1977	46	0	10	1	3.7
6706	0	Saddle	1		2000	23	0	10	1	3.7
6710	0	Saddle	2	stainless	2011	12	0	10	1	3.7
6711	0	Saddle	2	stainlesssteel		0	0	7	1	2.8
6712	0	Saddle	4	ApprovedTappingSleeve	2005	18	0	10	1	3.7
6713	0	Saddle	1	Stainlesssteelbands2straped	2005	18	0	10	1	3.7
6714	0	Saddle	1	Doublestainlesssteelbands	2007	16	0	10	1	3.7
6715	0	Saddle	1		1983	40	0	10	1	3.7
6716	0	Saddle	1		1996	27	0	10	1	3.7
6717	0	Saddle	1		1996	27	0	10	1	3.7
6718	0	Saddle	1		1996	27	0	10	1	3.7
6719	0	Saddle	1		2002	21	0	10	1	3.7
6721	0	Saddle	1		2002	21	0	10	1	3.7
6723	0	Saddle	2	Doublestainlesssteelbands	2006	17	0	10	1	3.7
6724	0	Saddle	2	DoubleStainlesssteelbands	2006	17	Corrosion	10	10	10
6725	0	Saddle	1		2002	21	0	10	1	3.7
6728	0	Saddle	2	Doublebandedstainlesssteel	2006	17	0	10	1	3.7
6729	0	Saddle	2	Doublebandedstainlesssteel	2005	18	0	10	1	3.7
6730	0	Saddle	1	DoubledBandedstainlesssteel	2006	17	0	10	1	3.7
6731	0	Saddle	2		2009	14	0	10	1	3.7
6732	0	Saddle	2		2009	14	0	10	1	3.7
6733	0	Saddle	2		2009	14	0	10	1	3.7
6736	0	Saddle	2		2009	14	0	10	1	3.7
6741	0	Saddle	1		2004	19	0	10	1	3.7
6743	0	Saddle	1		1983	40	0	10	1	3.7
6747	0	Saddle	2		1983	40	0	10	1	3.7
6753	0	Saddle	1		2004	19	0	10	1	3.7
6754	0	Saddle	1		2004	19	0	10	1	3.7
6755	0	Saddle	1		2004	19	0	10	1	3.7
6756	0	Saddle	1		2004	19	0	10	1	3.7
6757	0	Saddle	1		2004	19	0	10	1	3.7
6758	0	Saddle	1		2004	19	0	10	1	3.7
6760	0	Saddle	1		2004	19	0	10	1	3.7
6761	0	Saddle	1		2004	19	0	10	1	3.7
6762	0	Saddle	1		2004	19	0	10	1	3.7
6763	0	Saddle	1		2004	19	0	10	1	3.7
6764	0	Saddle	1		2004	19	0	10	1	3.7
6765	0	Saddle	1		2004	19	0	10	1	3.7
6766	0	Saddle	1			0	0	7	1	2.8
6767	0	Saddle	1		2004	19	0	10	1	3.7
6768	0	Saddle	2		2004	19	0	10	1	3.7
6769	0	Saddle	1		2004	19	0	10	1	3.7
6770	0	Saddle	1		2004	19	0	10	1	3.7
6771	0	Saddle	1		2004	19	0	10	1	3.7
6772	0	Saddle	1		2004	19	0	10	1	3.7
6773	0	Saddle	1		1983	40	0	10	1	3.7
6774	0	Saddle	1		1983	40	0	10	1	3.7
6776	0	Saddle	1		1998	25	0	10	1	3.7
6777	0	Saddle	1.5		1998	25	0	10	1	3.7
6778	0	Saddle	1		1998	25	0	10	1	3.7
6780	0	Saddle	1		1998	25	0	10	1	3.7
6782	0	Saddle	1		1996	27	0	10	1	3.7
6783	0	Saddle	2		1996	27	0	10	1	3.7
6784	0	Saddle	1		0	2023	0	10	1	3.7
6786	0	Saddle	1			0	0	7	1	2.8
6787	0	Saddle	2	na		0	0	7	1	2.8
6788	0	Saddle	2	StainlessSteelbandsepoxycoated	2019	4	0	1	1	1
6791	0	Saddle	1		2004	19	0	10	1	3.7
6792	0	Saddle	1		2004	19	0	10	1	3.7
6793	0	Saddle	1		2004	19	0	10	1	3.7
6795	0	Saddle	1			0	0	7	1	2.8
6796	0	Saddle	1			0	0	7	1	2.8
6797	0	Saddle	1			0	0	7	1	2.8

6798	0	Saddle	1			0	0	7	1	2.8
6799		Saddle	2		2008	15	0	10	1	3.7
6800		Saddle	2			0	0	7	1	2.8
6802		Saddle	1	Stainlesssteeldoublebanded	2007	16	0	10	1	3.7
6803		Saddle	2	Stainlesssteel	2006	17	0	10	1	3.7
6806		Saddle	1		2004	19	0	10	1	3.7
6807		Saddle	1			0	0	7	1	2.8
6809		Saddle	1		1996	27	0	10	1	3.7
6810		Saddle	1			0	0	7	1	2.8
6812		Saddle	1		2006	17	0	10	1	3.7
6814		Saddle	1			0	0	7	1	2.8
6817		Saddle	1		1996	27	0	10	1	3.7
6818		Saddle	2		2013	10	0	1	1	1
6820		Saddle	1			0	0	7	1	2.8
6821		Saddle	1			0	0	7	1	2.8
6822		Saddle	1			0	0	7	1	2.8
6823		Saddle	1			0	0	7	1	2.8
6824		Saddle	1			0	0	7	1	2.8
6825		Saddle	1		1999	24	0	10	1	3.7
6826		Saddle	1		1999	24	0	10	1	3.7
6827		Saddle	1			0	0	7	1	2.8
6828		Saddle	1			0	0	7	1	2.8
6835		Saddle	1			0	0	7	1	2.8
6838		Saddle	2			0	0	7	1	2.8
6841		Saddle	2		2008	15	0	10	1	3.7
6842		Saddle	1		1998	25	0	10	1	3.7
6843		Saddle	1			0	0	7	1	2.8
6844		Saddle	1		1986	37	0	10	1	3.7
6851		Saddle	1			0	0	7	1	2.8
6852		Saddle	1			0	0	7	1	2.8
6855		Saddle	2			0	0	7	1	2.8
6857		Saddle				0	0	7	1	2.8
6859		Saddle	4		2003	20	0	10	1	3.7
6860		Saddle	2		2008	15	0	10	1	3.7
6861		Saddle	1		1969	54	Corrosion	10	10	10
6865		Saddle	1		1998	25	0	10	1	3.7
6866		Saddle	2		2007	16	0	10	1	3.7
6867		Saddle	1			0	0	7	1	2.8
6874		Saddle	1		2000	23	0	10	1	3.7
6879		Saddle	1			0	0	7	1	2.8
6897		Saddle	1		2005	18	0	10	1	3.7
6918		Saddle	1			0	0	7	1	2.8
6920		Saddle	1			0	0	7	1	2.8
6934		Saddle	2		2008	15	0	10	1	3.7
6939		Saddle				0	0	7	1	2.8
6940		Saddle	2		2007	16	0	10	1	3.7
6943		Saddle	1		1998	25	0	10	1	3.7
6954		Saddle	1		2007	16	0	10	1	3.7
6961		Saddle	1.5		2007	16	0	10	1	3.7
6964		Saddle	2		2008	15	0	10	1	3.7
6967		Saddle	1		2007	16	0	10	1	3.7
6968		Saddle				0	0	7	1	2.8
6975		Saddle	2			0	0	7	1	2.8
6987		Saddle	1.5			0	0	7	1	2.8
6995		Saddle	2		2007	16	0	10	1	3.7
6996		Saddle	2		2007	16	0	10	1	3.7
7000		Saddle	2			0	0	7	1	2.8
7001		Saddle	2			0	0	7	1	2.8
7002		Saddle	2			0	0	7	1	2.8
7003		Saddle	2			0	0	7	1	2.8
7004		Saddle	2			0	0	7	1	2.8
7005		Saddle	2			0	0	7	1	2.8
7006		Saddle	1			0	0	7	1	2.8
7007		Saddle				0	0	7	1	2.8
7008		Saddle				0	0	7	1	2.8
7009		Saddle				0	0	7	1	2.8
7010		Saddle				0	0	7	1	2.8
7012		Saddle	1		2000	23	0	10	1	3.7
7016		Saddle	2		2006	17	0	10	1	3.7
7017		Saddle	2		2005	18	0	10	1	3.7
7018		Saddle	2		2005	18	0	10	1	3.7
7019		Saddle	2		2005	18	0	10	1	3.7
7021		Saddle	2		2006	17	0	10	1	3.7
7030		Saddle	2		2010	13	0	10	1	3.7
7033		Saddle	1		1969	54	0	10	1	3.7
7035		Saddle	1.5			0	0	7	1	2.8
7036		Saddle	2		2010	13	0	10	1	3.7
7039		Saddle	2			0	0	7	1	2.8
7040		Saddle				0	0	7	1	2.8
7041		Saddle				0	0	7	1	2.8
7042		Saddle				0	0	7	1	2.8
7044		Saddle	2		2010	13	0	10	1	3.7
7048		Saddle	2		2010	13	0	10	1	3.7
7055		Saddle	2		2010	13	0	10	1	3.7
7057		Saddle	2		2013	10	0	1	1	1
7098		Saddle	2			0	0	7	1	2.8
7107		Saddle	2		2011	12	0	10	1	3.7
7113		Saddle	3			0	0	7	1	2.8
7116		Saddle	2		2016	7	0	1	1	1
7117		Saddle	2		2016	7	0	1	1	1
7118		Saddle	2		2016	7	0	1	1	1
7123		Saddle				0	0	7	1	2.8

7127	Saddle	2		0	0	7	1	2.8
7129	Saddle			0	0	7	1	2.8
7130	Saddle			0	0	7	1	2.8
7135	Saddle			0	0	7	1	2.8
7136	Saddle			0	Corrosion	7	10	9.1
7141	Saddle			0	Corrosion	7	10	9.1
7142	Saddle	1		0	0	7	1	2.8
7147	Saddle			0	0	7	1	2.8
7148	Saddle			0	0	7	1	2.8
7149	Saddle			0	0	7	1	2.8
7150	Saddle			0	0	7	1	2.8
7151	Saddle			0	0	7	1	2.8
7152	Saddle			0	Corrosion	7	10	9.1
7155	Saddle	1		0	0	7	1	2.8
7157	Saddle	2	2013	10	0	1	1	1
7158	Saddle	2	2013	10	0	1	1	1
7159	Saddle	2	2013	10	0	1	1	1
7160	Saddle	2	2013	10	0	1	1	1
7181	Saddle	2	2013	10	0	1	1	1
7182	Saddle	2	2013	10	0	1	1	1
7183	Saddle	2	2013	10	0	1	1	1
7184	Saddle	2	2013	10	0	1	1	1
7185	Saddle	2	2013	10	0	1	1	1
7186	Saddle	2	2013	10	0	1	1	1
7188	Saddle	2	2013	10	0	1	1	1
7190	Saddle	2	2013	10	0	1	1	1
7196	Saddle	6x2		0	0	7	1	2.8
7197	Saddle			0	0	7	1	2.8
7217	Saddle	8x6	2011	12	0	10	1	3.7
7220	Saddle	2		0	0	7	1	2.8
7247	Saddle	2	2013	10	0	1	1	1
7253	Saddle	2	2013	10	0	1	1	1
7283	Saddle	2	2013	10	0	1	1	1
7292	Saddle			0	Corrosion	7	10	9.1
7293	Saddle			0	0	7	1	2.8
7295	Saddle			0	0	7	1	2.8
7296	Saddle	2	2017	6	0	1	1	1
7297	Saddle			0	0	7	1	2.8
7298	Saddle	2	2011	12	0	10	1	3.7
7300	Saddle	2		0	0	7	1	2.8
7319	Saddle	2	2015	8	0	1	1	1
7320	Saddle	1		0	0	7	1	2.8
7321	Saddle	1		0	0	7	1	2.8
7325	Saddle			0	0	7	1	2.8
7329	Saddle			0	0	7	1	2.8
7332	Saddle			0	0	7	1	2.8
7333	Saddle			0	0	7	1	2.8
7334	Saddle			0	0	7	1	2.8
7335	Saddle			0	0	7	1	2.8
7336	Saddle			0	0	7	1	2.8
7338	Saddle			0	0	7	1	2.8
7339	Saddle			0	0	7	1	2.8
7340	Saddle			0	0	7	1	2.8
7341	Saddle			0	0	7	1	2.8
7343	Saddle	2	2015	8	0	1	1	1
7344	Saddle			0	0	7	1	2.8
7345	Saddle			0	0	7	1	2.8
7346	Saddle			0	0	7	1	2.8
7350	Saddle	6x2		0	0	7	1	2.8
7356	Saddle	2	2005	18	0	10	1	3.7
7359	Saddle			0	0	7	1	2.8
7360	Saddle			0	0	7	1	2.8
7361	Saddle			0	0	7	1	2.8
7362	Saddle			0	0	7	1	2.8
7363	Saddle			0	0	7	1	2.8
7364	Saddle			0	0	7	1	2.8
7365	Saddle			0	0	7	1	2.8
7366	Saddle			0	0	7	1	2.8
7367	Saddle			0	0	7	1	2.8
7368	Saddle			0	0	7	1	2.8
7370	Saddle			0	0	7	1	2.8
7371	Saddle			0	0	7	1	2.8
7376	Saddle	2	2014	9	0	1	1	1
7377	Saddle			0	0	7	1	2.8
7379	Saddle			0	0	7	1	2.8
7380	Saddle			0	0	7	1	2.8
7385	Saddle			0	0	7	1	2.8
7389	Saddle			0	0	7	1	2.8
7390	Saddle			0	0	7	1	2.8
7393	Saddle			0	0	7	1	2.8
7394	Saddle			0	0	7	1	2.8
7397	Saddle			0	0	7	1	2.8
7399	Saddle			0	0	7	1	2.8
7400	Saddle			0	0	7	1	2.8
7410	Saddle			0	0	7	1	2.8
7414	Saddle			0	0	7	1	2.8
7416	Saddle			0	0	7	1	2.8
7420	Saddle			0	0	7	1	2.8
7423	Saddle	2	2014	9	0	1	1	1
7425	Saddle	2	2014	9	0	1	1	1
7426	Saddle	2	2014	9	0	1	1	1
7428	Saddle	2	2014	9	0	1	1	1

7429	Saddle	2	2014	9	0	1	1	1
7430	Saddle	2	2014	9	0	1	1	1
7432	Saddle	2	2014	9	0	1	1	1
7438	Saddle			0	0	7	1	2.8
7441	Saddle			0	0	7	1	2.8
7442	Saddle			0	Corrosion	7	10	9.1
7448	Saddle			0	0	7	1	2.8
7451	Saddle			0	Corrosion	7	10	9.1
7458	Saddle	2	2015	8	0	1	1	1
7464	Saddle	2		0	0	7	1	2.8
7465	Saddle			0	0	7	1	2.8
7486	Saddle	2		0	0	7	1	2.8
7592	Saddle			0	0	7	1	2.8
7593	Saddle			0	0	7	1	2.8
7594	Saddle			0	0	7	1	2.8
7595	Saddle			0	0	7	1	2.8
7596	Saddle	2		0	0	7	1	2.8
7598	Saddle			0	0	7	1	2.8
7599	Saddle			0	0	7	1	2.8
7600	Saddle			0	0	7	1	2.8
7601	Saddle			0	0	7	1	2.8
7602	Saddle			0	0	7	1	2.8
7603	Saddle			0	0	7	1	2.8
7651	Saddle			0	0	7	1	2.8
7653	Saddle			0	0	7	1	2.8
7654	Saddle			0	0	7	1	2.8
7655	Saddle			0	0	7	1	2.8
7667	Saddle			0	0	7	1	2.8
7671	Saddle			0	0	7	1	2.8
7672	Saddle			0	0	7	1	2.8
7676	Saddle			0	0	7	1	2.8
7679	Saddle			0	0	7	1	2.8
7680	Saddle	2		0	0	7	1	2.8
7684	Saddle	2	2016	7	0	1	1	1
7685	Saddle			0	0	7	1	2.8
7686	Saddle			0	0	7	1	2.8
7687	Saddle			0	0	7	1	2.8
7688	Saddle			0	0	7	1	2.8
7689	Saddle			0	0	7	1	2.8
7690	Saddle			0	0	7	1	2.8
7691	Saddle			0	0	7	1	2.8
7692	Saddle			0	0	7	1	2.8
7693	Saddle			0	0	7	1	2.8
7694	Saddle			0	0	7	1	2.8
7695	Saddle			0	0	7	1	2.8
7696	Saddle			0	0	7	1	2.8
7697	Saddle			0	0	7	1	2.8
7698	Saddle			0	0	7	1	2.8
7700	Saddle	2		0	0	7	1	2.8
7701	Saddle			0	0	7	1	2.8
7702	Saddle			0	0	7	1	2.8
7703	Saddle			0	0	7	1	2.8
7704	Saddle			0	0	7	1	2.8
7705	Saddle			0	0	7	1	2.8
7706	Saddle			0	0	7	1	2.8
7714	Saddle	2	2022	1	0	1	1	1
7716	Saddle			0	0	7	1	2.8
7720	Saddle			0	0	7	1	2.8
7721	Saddle			0	0	7	1	2.8
7726	Saddle	2	2016	7	0	1	1	1
7727	Saddle	2	2016	7	0	1	1	1
7730	Saddle	2	2016	7	0	1	1	1
7731	Saddle			0	0	7	1	2.8
7734	Saddle	2	2016	7	0	1	1	1
7735	Saddle	2	2016	7	0	1	1	1
7736	Saddle	2	2016	7	0	1	1	1
7737	Saddle	2	2016	7	0	1	1	1
7738	Saddle	2	2016	7	0	1	1	1
7743	Saddle	2	2015	8	0	1	1	1
7744	Saddle	2	2015	8	0	1	1	1
7745	Saddle	2	2015	8	0	1	1	1
7746	Saddle	2	2015	8	0	1	1	1
7747	Saddle	2	2015	8	0	1	1	1
7748	Saddle	2	2015	8	0	1	1	1
7749	Saddle	2	2015	8	0	1	1	1
7750	Saddle	2	2015	8	0	1	1	1
7751	Saddle	2	2015	8	0	1	1	1
7752	Saddle	2	2015	8	0	1	1	1
7754	Saddle	2	2015	8	0	1	1	1
7755	Saddle			0	0	7	1	2.8
7756	Saddle			0	0	7	1	2.8
7757	Saddle	2	2015	8	0	1	1	1
7759	Saddle			0	0	7	1	2.8
7760	Saddle			0	0	7	1	2.8
7761	Saddle	2	2014	9	0	1	1	1
7765	Saddle	2	2017	6	0	1	1	1
7766	Saddle	1	2017	6	0	1	1	1
7768	Saddle	2	2017	6	0	1	1	1
7771	Saddle	1		0	0	7	1	2.8
7773	Saddle	8	2016	7	0	1	1	1
7775	Saddle	2	2017	6	0	1	1	1
7778	Saddle			0	0	7	1	2.8

7779	Saddle			0	0	7	1	2.8
7780	Saddle			0	Corrosion	7	10	9.1
7781	Saddle			0	0	7	1	2.8
7783	Saddle	2	2017	6	Corrosion	1	10	7.3
7784	Saddle	2	2017	6	0	1	1	1
7785	Saddle	2	2017	6	0	1	1	1
7786	Saddle	2	2017	6	0	1	1	1
7800	Saddle	1	2007	16	0	10	1	3.7
7801	Saddle	1	2007	16	0	10	1	3.7
7802	Saddle	1	2007	16	0	10	1	3.7
7803	Saddle	1	2007	16	0	10	1	3.7
7804	Saddle	1	2007	16	0	10	1	3.7
7805	Saddle	1	2007	16	0	10	1	3.7
7806	Saddle	1	2007	16	0	10	1	3.7
7807	Saddle	1	2007	16	0	10	1	3.7
7808	Saddle	1	2007	16	0	10	1	3.7
7809	Saddle	1	2007	16	0	10	1	3.7
7810	Saddle	1	2007	16	0	10	1	3.7
7811	Saddle	1	2007	16	0	10	1	3.7
7812	Saddle	1	2007	16	0	10	1	3.7
7813	Saddle	1	2007	16	0	10	1	3.7
7814	Saddle	1	2007	16	0	10	1	3.7
7815	Saddle	1	2007	16	0	10	1	3.7
7816	Saddle	1	2007	16	0	10	1	3.7
7817	Saddle	1	2007	16	0	10	1	3.7
7818	Saddle	1	2007	16	0	10	1	3.7
7819	Saddle	1	2007	16	0	10	1	3.7
7820	Saddle	1	2007	16	0	10	1	3.7
7821	Saddle	1	2007	16	0	10	1	3.7
7822	Saddle	1	2007	16	0	10	1	3.7
7824	Saddle	1	2007	16	0	10	1	3.7
7825	Saddle	1	2007	16	0	10	1	3.7
7826	Saddle	1	2007	16	0	10	1	3.7
7829	Saddle	1	2007	16	0	10	1	3.7
7830	Saddle	1	2007	16	0	10	1	3.7
7831	Saddle	1	2007	16	0	10	1	3.7
7832	Saddle	1	2007	16	0	10	1	3.7
7833	Saddle	1	2007	16	0	10	1	3.7
7834	Saddle	1	2007	16	0	10	1	3.7
7835	Saddle	1	2007	16	0	10	1	3.7
7836	Saddle	1	2007	16	0	10	1	3.7
7837	Saddle	1	2007	16	0	10	1	3.7
7838	Saddle	1	2007	16	0	10	1	3.7
7839	Saddle	1	2007	16	0	10	1	3.7
7840	Saddle	1	2007	16	0	10	1	3.7
7841	Saddle	1	2007	16	0	10	1	3.7
7842	Saddle	1	2007	16	0	10	1	3.7
7843	Saddle	1	2007	16	0	10	1	3.7
7844	Saddle	1	2007	16	0	10	1	3.7
7845	Saddle	1	2007	16	0	10	1	3.7
7846	Saddle	1	2007	16	0	10	1	3.7
7847	Saddle	1	2007	16	0	10	1	3.7
7848	Saddle	1	2007	16	0	10	1	3.7
7849	Saddle	1	2007	16	0	10	1	3.7
7850	Saddle	1	2007	16	0	10	1	3.7
7851	Saddle	1	2007	16	0	10	1	3.7
7852	Saddle	1	2007	16	0	10	1	3.7
7853	Saddle	1	2007	16	0	10	1	3.7
7854	Saddle	1	2007	16	0	10	1	3.7
7855	Saddle	1	2007	16	0	10	1	3.7
7856	Saddle	1	2007	16	0	10	1	3.7
7857	Saddle	1	2007	16	0	10	1	3.7
7859	Saddle	1	2007	16	0	10	1	3.7
7860	Saddle	1	2007	16	0	10	1	3.7
7861	Saddle	2	2017	6	0	1	1	1
7863	Saddle	2	2017	6	0	1	1	1
7864	Saddle	2	2017	6	0	1	1	1
7865	Saddle	2	2017	6	0	1	1	1
7866	Saddle	2	2017	6	0	1	1	1
7867	Saddle	2		0	0	7	1	2.8
7868	Saddle	1		0	0	7	1	2.8
7869	Saddle	1		0	0	7	1	2.8
7870	Saddle	1		0	0	7	1	2.8
7871	Saddle	1		0	0	7	1	2.8
7872	Saddle	1		0	0	7	1	2.8
7873	Saddle	1		0	0	7	1	2.8
7874	Saddle	1		0	0	7	1	2.8
7878	Saddle	2		0	0	7	1	2.8
7880	Saddle	4	2017	6	0	1	1	1
7881	Saddle	1		0	0	7	1	2.8
7882	Saddle			0	0	7	1	2.8
7883	Saddle	1		0	0	7	1	2.8
7884	Saddle	1		0	0	7	1	2.8
7885	Saddle	1		0	0	7	1	2.8
7886	Saddle	1		0	0	7	1	2.8
7887	Saddle	2		0	0	7	1	2.8
7888	Saddle	1		0	0	7	1	2.8
7889	Saddle	1		0	0	7	1	2.8
7890	Saddle	1	1996	27	0	10	1	3.7
7891	Saddle	1		0	0	7	1	2.8
7893	Saddle	2	2017	6	0	1	1	1
7894	Saddle	2	2017	6	Corrosion	1	10	7.3

7895	Saddle	2	2017	6	0	1	1	1
7896	Saddle	2	2017	6	0	1	1	1
7902	Saddle	2	2017	6	0	1	1	1
7903	Saddle	2	2017	6	0	1	1	1
7904	Saddle	2	2017	6	0	1	1	1
7905	Saddle	2	2017	6	0	1	1	1
7906	Saddle	2	2017	6	0	1	1	1
7907	Saddle	2	2017	6	0	1	1	1
7908	Saddle	2	2017	6	0	1	1	1
7909	Saddle	1		0	0	7	1	2.8
7910	Saddle	1		0	0	7	1	2.8
7911	Saddle	2		0	0	7	1	2.8
7912	Saddle	2		0	0	7	1	2.8
7913	Saddle	4	2016	7	0	1	1	1
7914	Saddle	1	2016	7	0	1	1	1
7915	Saddle	10	2017	6	0	1	1	1
7916	Saddle	1		0	0	7	1	2.8
7917	Saddle	2	2017	6	0	1	1	1
7918	Saddle	1		0	0	7	1	2.8
7919	Saddle	1		0	0	7	1	2.8
7920	Saddle	1		0	0	7	1	2.8
7926	Saddle	1		0	0	7	1	2.8
7930	Saddle	2	2018	5	0	1	1	1
7931	Saddle	2	2018	5	0	1	1	1
7932	Saddle	2		0	Corrosion	7	10	9.1
7935	Saddle	2		0	0	7	1	2.8
7936	Saddle	1		0	0	7	1	2.8
7937	Saddle	2	2017	6	0	1	1	1
7938	Saddle	3/4		0	0	7	1	2.8
7939	Saddle	2		0	0	7	1	2.8
7941	Saddle	2		0	0	7	1	2.8
7944	Saddle	1		0	0	7	1	2.8
7945	Saddle	2		0	0	7	1	2.8
7947	Saddle	1		0	0	7	1	2.8
7948	Saddle	2	2018	5	0	1	1	1
7949	Saddle	2		0	Corrosion	7	10	9.1
7951	Saddle	2	2018	5	0	1	1	1
7956	Saddle	2	2018	5	0	1	1	1
7962	Saddle	2	2018	5	0	1	1	1
7963	Saddle	2	2018	5	0	1	1	1
7964	Saddle	2	2017	6	0	1	1	1
7965	Saddle	2	2017	6	0	1	1	1
7966	Saddle	2	2017	6	0	1	1	1
7971	Saddle	2	1997	26	0	10	1	3.7
7972	Saddle	1		0	0	7	1	2.8
7973	Saddle	1		0	0	7	1	2.8
7980	Saddle	1	2010	13	0	10	1	3.7
7990	Saddle	2	2019	4	0	1	1	1
7995	Saddle		2019	4	0	1	1	1
7996	Saddle		2019	4	0	1	1	1
7997	Saddle	2	2019	4	0	1	1	1
8002	Saddle	2	2019	4	Corrosion	1	10	7.3
8003	Saddle	2	2019	4	0	1	1	1
8005	Saddle	2	2014	9	0	1	1	1
8006	Saddle	2	2014	9	0	1	1	1
8007	Saddle	1	2014	9	0	1	1	1
8010	Saddle	2	2020	3	0	1	1	1
8011	Saddle	2	2020	3	0	1	1	1
8012	Saddle	1		0	0	7	1	2.8
8013	Saddle	1		0	Corrosion	7	10	9.1
8014	Saddle	2	2020	3	0	1	1	1
8015	Saddle	1		0	Corrosion	7	10	9.1
8016	Saddle	2		0	Corrosion	7	10	9.1
8018	Saddle	1		0	0	7	1	2.8
8019	Saddle	2	2020	3	0	1	1	1
8020	Saddle	2		0	Corrosion	7	10	9.1
8021	Saddle	2	2020	3	0	1	1	1
8022	Saddle			0	0	7	1	2.8
8023	Saddle	2	2020	3	Corrosion	1	10	7.3
8024	Saddle	2	2020	3	Corrosion	1	10	7.3
8025	Saddle	2	2020	3	0	1	1	1
8026	Saddle	2	2020	3	0	1	1	1
8029	Saddle	2	2020	3	0	1	1	1
8030	Saddle	1		0	0	7	1	2.8
8033	Saddle	2	2020	3	0	1	1	1
8035	Saddle	2	2020	3	0	1	1	1
8036	Saddle	2	2020	3	0	1	1	1
8037	Saddle	2	2020	3	0	1	1	1
8038	Saddle	2	2017	6	0	1	1	1
8039	Saddle	2	2017	6	0	1	1	1
8041	Saddle	2	2017	6	0	1	1	1
8042	Saddle	2	2017	6	0	1	1	1
8043	Saddle	2	2017	6	0	1	1	1
8044	Saddle	2	2017	6	0	1	1	1
8046	Saddle	2		0	0	7	1	2.8
8047	Saddle	1.5		0	0	7	1	2.8
8048	Saddle	2	2017	6	0	1	1	1
8049	Saddle	2	2017	6	0	1	1	1
8052	Saddle	2	2014	9	0	1	1	1
8053	Saddle	2	2014	9	0	1	1	1
8057	Saddle	2	2014	9	0	1	1	1
8058	Saddle	1		0	0	7	1	2.8

8066	Saddle	2		0	0	7	1	2.8
8067	Saddle	2		0	Corrosion	7	10	9.1
8069	Saddle	2	2021	2	0	1	1	1
8070	Saddle	1	1995	28	0	10	1	3.7
8071	Saddle	2	2021	2	0	1	1	1
8072	Saddle	2	2021	2	Corrosion	1	10	7.3
8074	Saddle	2	2022	1	0	1	1	1
8075	Saddle	1	1998	25	0	10	1	3.7
8076	Saddle	2	2022	1	Corrosion	1	10	7.3
8077	Saddle	2		0	Corrosion	7	10	9.1
8078	Saddle	2	2022	1	0	1	1	1
8079	Saddle	2	2022	1	0	1	1	1
8098	Saddle	2	2022	1	Corrosion	1	10	7.3
8099	Saddle	2	2022	1	0	1	1	1
8100	Saddle	1	1969	54	Corrosion	10	10	10
8101	Saddle	1		0	Corrosion	7	10	9.1
8102	Saddle	1		0	0	7	1	2.8

Age Categories	Age Rank
0	7
0-20	2
21-40	4
41-60	6
61-80	8
81-100	10

Waterway Category	Waterway Rank
0-100	10
100-500	7
500-1000	4
1000	1

Pipe Size/Use Categories	Pipe Size/Risk Score
≥10	10
<10	5
<8	1

Material Categories	Material Rank
AC	5
OD_ST	10
DIP	1
PVC SDR 35	1
DR-14	1
C900	1
HDPE	1
DR-14 BURST	1
WELDED WRAPPED STEEL	10
CCP	5
CIP	5

Pipe Condition	Pipe Rank

O&M Condition	O&M Rank
Issues Reported	10
No issues Reported	0

Landuse Categories	Landuse Rank
Com	10
Res	4
Other Commercial	6

											Risk Contributor Scores							
										Weights	0.3	0.5	0.3		0.2	0.5	0.2	
SegmentID	Water_Prox	Land_Use	SIZE_90638	ize Categorie	MATERIAL_9	PRES_RATIN	TYPE	Inst_Year	Age	PressZone	Age	Water Proximity	Pipe Size		Material	O&M	Land Use	Total Risk Score
122-100-26A-122-100-26B	0-100	Res	6	<8	C900		5		0	1	7	10	1		1	0	6	14.95
122-202-19B-RC023	0-100	Res	6	<8	OD_ST	0	5	1978	45	1	6	10	1		10	10	6	57.2
123-052-04A-T0038	100-500	Res	8	<10	DIP	0	5	0	0	1F	7	8	5		1	0	6	15.41
125-030-13-RDCR149	100-500	Res	10	≥10	OD_ST		5		0	6	7	8	10		10	10	6	74.62
126-280-00A-T1361	1000	Res	8	<10	AC	0	5	0	0	3	7	2	5		5	0	6	11.47
126-290-00A-RDCR037	100-500	Res	10	≥10	AC	0	5	0	0	5-3	7	8	10		5	0	6	25.42
126-420-13A-RC057	100-500	Res	6	<8	AC	0	5	0	0	5-3	7	8	1		5	0	6	17.05
126-420-13C-T1366	100-500	Res	6	<8	DIP	0	5	1999	24	5-3	4	8	1		1	0	6	7.7
131-240-02D-T1653	0-100	Res	6	<8	C900	200	5	2004	19	2D	2	10	1		1	0	6	5.2
131-290-07-T0806	100-500	Res	8	<10	C900	0	5	0	0	1	7	8	5		1	0	6	15.41
132-011-07A-T0273	0-100	Com	6	<8	OD_ST	0	5	0	0	2	7	10	1		10	10	10	66.43
Altitude Valve-T0051	0-100	Res	10	≥10	DIP	0	5	0	0	1F	7	10	10		1	0	6	21.16
BND03-T1370	500-1000	Res	8	<10	C900	0	5	1995	28	2A	4	5	5		1	0	6	7.28
BND05-GV02800	100-500	Res	8	<10	DIP	0	5	1995	28	2A	4	8	5		1	0	6	9.38
BND05-T1378	100-500	Res	8	<10	DIP	0	5	1995	28	2A	4	8	5		1	0	6	9.38
BND101-BND102	100-500	Com	8	<10	C900	150	5	1996	27	1	4	8	5		1	0	10	10.5
BND102-T0798	100-500	Com	8	<10	OD_ST		5		0	1	7	8	5		10	10	10	68.25
BND107-T1679	100-500	Res	6	<8	AC	0	5	1973	50	3	6	8	1		5	0	6	15.4
BND108-BND109	100-500	Res	8	<10	AC	0	5	1978	45	1	6	8	5		5	0	6	18.76
BND109-T0115	0-100	Res	8	<10	AC	0	5	1978	45	1	6	10	5		5	0	6	21.56
BND112-T1048	100-500	Com	8	<10	DIP	0	5	1997	26	1	4	8	5		1	0	10	10.5
BND113-T1687	100-500	Com	8	<10	AC	0	5	1970	53	1	6	8	5		5	0	10	21
BND114-T1689	100-500	Com	6	<8	DR-14		5	2018	5	1	2	8	1		1	0	10	5.04
BND115-T1689	100-500	Com	6	<8	DIP		5	2018	5	1	2	8	1		1	0	10	5.04
BND11-T0432	100-500	Res	8	<10	C900	150	5	1994	29	3	4	8	5		1	0	6	9.38
BND122-BND123	1000	Res	6	<8	DIP	0	5	1969	54	8B	6	2	1		1	0	6	5
BND123-RDCR071	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
BND12-T0506	100-500	Res	8	<10	DIP	0	5	1999	24	1	4	8	5		1	0	6	9.38
BND13-T0534	100-500	Res	24	≥10	DIP	0	5	0	0	2	7	8	10		1	0	6	18.86
BND16-RC029	500-1000	Res	6	<8	C900	0	5	2000	23	1	4	5	1		1	0	6	5.6
BND22-RC043	500-1000	Res	6	<8	C900	0	5	1997	26	6	4	5	1		1	0	6	5.6
BND24-T1222	500-1000	Res	8	<10	C900	0	5	2000	23	6	4	5	5		1	0	6	7.28
BND25-T1274	100-500	Res	8	<10	C900	0	5	2007	16	2D	2	8	5		1	0	6	5.36
BND26-RDCR034	100-500	Res	8	<10	C900	0	5	2000	23	2D	4	8	5		1	0	6	9.38
BND29-T0350	500-1000	Res	6	<8	AC	0	5	1969	54	8B	6	5	1		5	0	6	11.2
BND32-T0877	500-1000	Res	6	<8	AC	0	5	1969	54	4	6	5	1		5	0	6	11.2
BND35-RDCR081	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
BND36-T0878	0-100	Res	6	<8	AC	0	5	1969	54	4	6	10	1		5	0	6	18.2
BND37-T1409	500-1000	Res	10	≥10	AC	0	5	1969	54	4	6	5	10		5	0	6	18.76
BND38-T1060	100-500	Res	8	<10	C900	0	5	1994	29	1	4	8	5		1	0	6	9.38
BND39-T0210	100-500	Res	6	<8	AC	0	5	1983	40	1	4	8	1		5	0	6	12.1
BND44-T0282	100-500	Res	6	<8	OD_ST	0	5	0	0	2	7	8	1		10	10	6	50.05
BND44-T1464	100-500	Res	6	<8	AC	0	5	0	0	2	7	8	1		5	0	6	17.05
BND48-RC137	0-100	Res	6	<8	DIP		5		0	5-3	7	10	1		1	0	6	14.95
BND48-RDCR127	0-100	Res	6	<8	DIP	0	5	2010	13	5-3	2	10	1		1	0	6	5.2
BND49-126-210-02A	100-500	Res	14	≥10	DIP		5	2011	12	5-3	2	8	10		1	0	6	6.56
BND49-FIT1531	0-100	Res	14	≥10	DIP	350	5	2009	14	5-3	2	10	10		1	0	6	7.36
BND50-RC117	100-500	Res	6	<8	DIP	0	5	0	0	1	7	8	1		1	0	6	12.65
BND80-RDCR140	100-500	Com	8	<10	DR-14		5	2013	10	1	2	8	5		1	0	10	6
BND97-CRS34	100-500	Res	8	<10	DIP		5	2013	10	1	2	8	5		1	0	6	5.36
BND98-T0757	0-100	Res	8	<10	DIP		5	2013	10	1	2	10	5		1	0	6	6.16
BV-002-T0570	100-500	Res	6	<8	AC	0	5	1977	46	2	6	8	1		5	0	6	15.4
BV-004-T0599	500-1000	Res	6	<8	AC	0	5	1969	54	6B	6	5	1		5	0	6	11.2
BV-012-T0642	100-500	Res	6	<8	AC	0	5	0	0	5C	7	8	1		5	0	6	17.05
BV-013-T0925	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
BV-024-RDCR023	100-500	Res	6	<8	AC	0	5	1969	54	5	6	8	1		5	0	6	15.4
BV-026-GV01337	0-100	Res	6	<8	AC	0	5	0	0	1	7	10	1		5	0	6	20.15
CRS01-T0007	500-1000	Res	6	<8	DIP	0	5	0	0	1F	7	5	1		1	0	6	9.2

CRS02-RC007	100-500	Res	6	<8	DIP	0	5	2004	19	1	2	8	1		1	0	6	4.4
CRS02-T0124	100-500	Res	8	<10	DIP	0	5	2004	19	1	2	8	5		1	0	6	5.36
CRS03-RDCR062	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
CRS03-T0191	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
CRS04-CRS05	100-500	Res	8	<10	DIP	0	5	1999	24	1	4	8	5		1	0	6	9.38
CRS04-RDCR048	100-500	Res	8	<10	DIP	0	5	0	0	1	7	8	5		1	0	6	15.41
CRS04-RDCR050	100-500	Res	8	<10	DIP	0	5	1999	24	1	4	8	5		1	0	6	9.38
CRS05-T0207	100-500	Res	12	≥10	DIP	0	5	1999	24	1	4	8	10		1	0	6	11.48
CRS06-RC062	0-100	Com	6	<8	DIP	0	5	1985	38	1	4	10	1		1	0	10	10.22
CRS06-RC063	0-100	Com	6	<8	DIP	0	5	1985	38	1	4	10	1		1	0	10	10.22
CRS06-T0239	0-100	Com	10	≥10	DIP	0	5	1985	38	1	4	10	10		1	0	10	14
CRS07-EC13	500-1000	Res	8	<10	C900	0	5	1995	28	2	4	5	5		1	0	6	7.28
CRS07-T0278	500-1000	Res	8	<10	C900	0	5	2006	17	2	2	5	5		1	0	6	4.16
CRS08-EC18	0-100	Res	8	<10	DIP	0	5	1988	35	1	4	10	5		1	0	6	10.78
CRS08-T0328	0-100	Res	8	<10	C900	0	5	1994	29	1	4	10	5		1	0	6	10.78
CRS09-RDCR013	100-500	Res	6	<8	DIP	0	5	1990	33	2	4	8	1		1	0	6	7.7
CRS09-T0340	100-500	Res	12	≥10	DIP	0	5	1990	33	2	4	8	10		1	0	6	11.48
CRS10-RC118	500-1000	Res	8	<10	C900	0	5	1998	25	1	4	5	5		1	0	6	7.28
CRS10-RDCR014	500-1000	Res	6	<8	C900	0	5	1998	25	1	4	5	1		1	0	6	5.6
CRS10-RDCR107	500-1000	Res	6	<8	DIP	0	5	1985	38	1	4	5	1		1	0	6	5.6
CRS11-T0379	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
CRS11-T1713	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
CRS12-T0496	1000	Res	8	<10	AC	0	5	0	0	8B	7	2	5		5	0	6	11.47
CRS13-GVABND	500-1000	Res	6	<8	AC	0	5	2011	12	1	2	5	1		5	0	6	6.4
CRS13-T0234	500-1000	Com	8	<10	AC	0	5	1978	45	1	6	5	5		5	0	10	16.8
CRS13-T0503	100-500	Com	8	<10	AC	0	5	1978	45	1	6	8	5		5	0	10	21
CRS14-RDCR009	0-100	Com	6	<8	DIP	0	5	1985	38	1	4	10	1		1	0	10	10.22
CRS14-T0523	100-500	Res	6	<8	DIP	0	5	1985	38	1	4	8	1		1	0	6	7.7
CRS14-T0526	100-500	Com	6	<8	DIP	0	5	1985	38	1	4	8	1		1	0	10	8.82
CRS15-R2-1	100-500	Res	20	≥10	DIP	0	5	0	0	2	7	8	10		1	0	6	18.86
CRS15-T0566	100-500	Res	20	≥10	OD_ST	0	5	0	0	2	7	8	10		10	10	6	74.62
CRS15-T0576	500-1000	Res	18	≥10	AC	0	5	0	0	2	7	5	10		5	0	6	20.77
CRS15-ZV2-2-1	500-1000	Res	18	≥10	OD_ST	0	5	0	0	2	7	5	10		10	10	6	60.97
CRS16-T0307	0-100	Res	8	<10	C900	0	5	1994	29	3	4	10	5		1	0	6	10.78
CRS16-T0687	0-100	Res	8	<10	C900	0	5	1994	29	3	4	10	5		1	0	6	10.78
CRS17-T0788	100-500	Com	6	<8	OD_ST	0	5	0	0	1	7	8	1		10	10	10	57.33
CRS18-RC131	0-100	Res	8	<10	DIP	0	5	1978	45	1	6	10	5		1	0	6	15.4
CRS18-T1462	0-100	Com	10	≥10	DIP	350	5	1990	33	1	4	10	10		1	0	10	14
CRS19-CRS18	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
CRS19-T0810	0-100	Com	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	10	28
CRS20-RC031	500-1000	Res	8	<10	DIP	0	5	2004	19	2D	2	5	5		1	0	6	4.16
CRS20-T0837	500-1000	Com	12	≥10	DIP	350	5	1986	37	2D	4	5	10		1	0	10	10.5
CRS21-EC34	500-1000	Res	6	<8	AC	0	5	1969	54	3	6	5	1		5	0	6	11.2
CRS21-T0912	500-1000	Res	6	<8	AC	0	5	1969	54	3	6	5	1		5	0	6	11.2
CRS21-T0919	100-500	Res	6	<8	AC	0	5	1969	54	3	6	8	1		5	0	6	15.4
CRS22-BND20	100-500	Res	6	<8	AC	0	5	1969	54	3	6	8	1		5	0	6	15.4
CRS22-EC28	0-100	Res	6	<8	AC	0	5	1969	54	3	6	10	1		5	0	6	18.2
CRS23-T0974	100-500	Res	8	<10	DIP	0	5	1990	33	1	4	8	5		1	0	6	9.38
CRS23-T1258	0-100	Res	8	<10	DIP	0	5	1985	38	1	4	10	5		1	0	6	10.78
CRS24-RC033	100-500	Res	8	<10	DIP	0	5	1990	33	1	4	8	5		1	0	6	9.38
CRS24-T0977	100-500	Res	8	<10	DIP	0	5	1990	33	1	4	8	5		1	0	6	9.38
CRS24-T0980	0-100	Res	8	<10	DIP	0	5	1990	33	1	4	10	5		1	0	6	10.78
CRS25-T1034	500-1000	Res	8	<10	C900	0	5	1990	33	1	4	5	5		1	0	6	7.28
CRS26-T1197	100-500	Res	16	≥10	AC	0	5	1969	54	4	6	8	10		5	0	6	22.96
CRS27-RDCR030	100-500	Res	8	<10	DIP	0	5	1990	33	1	4	8	5		1	0	6	9.38
CRS27-RDCR099	100-500	Res	6	<8	C900	0	5	1996	27	1	4	8	1		1	0	6	7.7
CRS27-RDCR100	100-500	Res	6	<8	C900	0	5	1996	27	1	4	8	1		1	0	6	7.7
CRS27-T0986	100-500	Res	8	<10	DIP	0	5	1990	33	1	4	8	5		1	0	6	9.38
CRS28-BND25	100-500	Res	8	<10	C900	0	5	1996	27	2D	4	8	5		1	0	6	9.38
CRS28-T1424	100-500	Res	12	≥10	DIP	0	5	2006	17	2D	2	8	10		1	0	6	6.56
CRS29-EC52	500-1000	Res	6	<8	AC	0	5	1967	56	2D	6	5	1		5	0	6	11.2
CRS30-T1307	1000	Res	6	<8	AC	0	5	1967	56	2D	6	2	1		5	0	6	7
CRS30-T1309	1000	Res	6	<8	AC	0	5	0	0	2D	7	2	1		5	0	6	7.75
CRS31-T0646	100-500	Res	6	<8	AC	0	5	1969	54	5C	6	8	1		5	0	6	15.4
CRS31-T0655	0-100	Res	8	<10	AC	0	5	1969	54	5C	6	10	5		5	0	6	21.56
CRS32-T1114	0-100	Res	8	<10	AC	0	5	1981	42	2D	6	10	5		5	0	6	21.56
CRS32-T1412	100-500	Res	12	≥10	DIP	0	5	1986	37	2D	4	8	10		1	0	6	11.48
CRS33-CRS28	0-100	Res	8	<10	C900	0	5	1996	27	2D	4	10	5		1	0	6	10.78
CRS34-BND80	100-500	Com	8	<10	DIP		5	2013	10	1	2	8	5		1	0	10	6
CRS34-MJSS0010	100-500	Res	8	<10	DIP		5	2013	10	1	2	8	5		1	0	6	5.36
CRS35-RC133	100-500	Com	6	<8	DR-14		5	2013	10	1	2	8	1		1	0	10	5.04
CRS35-RC134	100-500	Com	6	<8	DR-14	0	5	2013	10	1	2	8	1		1	0	10	5.04
CRS35-T1599	100-500	Com	8	<10	DR-14		5	2013	10	1	2	8	5		1	0	10	6
D2C01-CRS02	100-500	Res	8	<10	DIP	0	5	2004	19	1	2	8	5		1	0	6	5.36
D2C03-T1110	500-1000	Res	8	<10	DIP	0	5	2004	19	3	2	5	5		1	0	6	4.16
D2C03-T1116	100-500	Res	8	<10	C900	150	5	2004	19	3	2	8	5		1	0	6	5.36

EC04-T0067	500-1000	Res	8	<10	C900	0	5	0	0	1F	7	5	5		1	0	6	11.96
EC101-T0554	500-1000	Res	6	<8	C900	0	5	2004	19	2	2	5	1		1	0	6	3.2
EC15-T0293	100-500	Res	6	<8	C900	0	5	2001	22	3	4	8	1		1	0	6	7.7
EC20-T0450	500-1000	Res	6	<8	AC	0	5	0	0	3	7	5	1		5	0	6	12.4
EC21-T0447	1000	Res	6	<8	AC	0	5	1980	43	3	6	2	1		5	0	6	7
EC27-T0694	100-500	Res	6	<8	C900	0	5	2002	21	3	4	8	1		1	0	6	7.7
EC35-T0918	500-1000	Res	6	<8	AC	0	5	1969	54	3	6	5	1		5	0	6	11.2
EC36-T1186	0-100	Res	6	<8	AC	0	5	1969	54	4	6	10	1		5	0	6	18.2
EC41-T1421	500-1000	Res	8	<10	AC	0	5	0	0	2D	7	5	5		5	0	6	16.12
EC47-T0428	100-500	Res	8	<10	C900	0	5	1998	25	3	4	8	5		1	0	6	9.38
EC50-T1178	0-100	Res	6	<8	AC	0	5	1969	54	4	6	10	1		5	0	6	18.2
EC51-T1240	0-100	Res	6	<8	AC	0	5	1969	54	6	6	10	1		5	0	6	18.2
EC62-T0154	100-500	Res	8	<10	C900	0	5	1997	26	3	4	8	5		1	0	6	9.38
EC63-T0172	100-500	Res	6	<8	C900	0	5	2002	21	4B	4	8	1		1	0	6	7.7
EC66-T0196	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
EC73-T1202	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
EC79-T1424	100-500	Res	12	≥10	C900	0	5	1992	31	2D	4	8	10		1	0	6	11.48
EC83-T1600	500-1000	Res	8	<10	DIP	0	5	1990	33	1	4	5	5		1	0	6	7.28
EC88-T0668	0-100	Com	6	<8	DIP	0	5	1996	27	1	4	10	1		1	0	10	10.22
EC94-T1053	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
FCA013-RC150	100-500	Res	6	<8	DR-14		5	2022	1	1	2	8	1		1	0	6	4.4
FCA014-T1717	100-500	Res	8	<10	DR-14		5	2022	1	1	2	8	5		1	0	6	5.36
FH-107-T0558	0-100	Res	8	<10	C900	0	5	2004	19	2	2	10	5		1	0	6	6.16
FIT1023-T0668	0-100	Com	6	<8	DIP	0	5	0	0	1	7	10	1		1	0	10	16.79
FIT1029-CRS25	500-1000	Res	6	<8	C900	0	5	0	0	1	7	5	1		1	0	6	9.2
FIT1033-T1050	100-500	Res	8	<10	AC	0	5	0	0	1	7	8	5		5	0	6	20.77
FIT1210-SDL2506	100-500	Res	8	<10	OD_ST	0	5	0	0	1	7	8	5		10	10	6	60.97
FIT1363-RC140	500-1000	Res	6	<8	AC	0	5	1969	54	5	6	5	1		5	0	6	11.2
FIT1424-T0547	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
FIT1460-T0072	100-500	Res	6	<8	OD_ST	0	5	0	0	2A	7	8	1		10	10	6	50.05
FIT1467-WPS 6-1	100-500	Res	18	≥10	AC	0	5	1997	26	5	4	8	10		5	0	6	18.04
FIT1489-RDCR038	0-100	Com	16	≥10	DIP	0	5	1999	24	5-3	4	10	10		1	0	10	14
FIT1489-T1554	0-100	Res	16	≥10	DIP	350	5	2010	13	5-3	2	10	10		1	0	6	7.36
FIT1490-RDCR126	0-100	Res	16	≥10	CIP	0	5	2010	13	5-3	2	10	10		5	10	6	60.72
FIT1495-T1553	100-500	Res	14	≥10	DIP	350	5	2010	13	5-3	2	8	10		1	0	6	6.56
FIT1515-T1580	100-500	Res	8	<10	DR-14		5	2013	10	3	2	8	5		1	0	6	5.36
FIT1531-FIT1495	0-100	Res	14	≥10	CIP	0	5	2010	13	5-3	2	10	10		5	10	6	60.72
FIT821-T0680	500-1000	Res	8	<10	OD_ST	0	5	0	0	1	7	5	5		10	10	6	47.32
FIT835-BND19	100-500	Com	8	<10	AC	0	5	1998	25	1	4	8	5		5	0	10	16.5
FIT842-T0839	100-500	Com	12	≥10	DIP	0	5	2001	22	2	4	8	10		1	0	10	12.6
FIT843-T0838	100-500	Com	12	≥10	DIP	0	5	2001	22	2D	4	8	10		1	0	10	12.6
GV01017-T1394	100-500	Res	6	<8	AC	0	5	0	0	1	7	8	1		5	0	6	17.05
GV01020-GV01023	0-100	Res	8	<10	C900	0	5	2007	16	1	2	10	5		1	0	6	6.16
GV01023-T0250	0-100	Com	8	<10	C900	0	5	2007	16	1	2	10	5		1	0	10	6.8
GV01059-T1260	0-100	Res	6	<8	OD_ST	0	5	0	0	2D	7	10	1		10	10	6	59.15
GV01123-BND12	100-500	Res	8	<10	DIP	0	5	1999	24	1	4	8	5		1	0	6	9.38
GV01123-EC23	100-500	Res	24	≥10	DIP	0	5	1999	24	1	4	8	10		1	0	6	11.48
GV01123-GV01123	100-500	Res	12	≥10	DIP	0	5	1999	24	1	4	8	10		1	0	6	11.48
GV01139-RC151	100-500	Res	6	<8	OD_ST	0	5	2022	1	1	2	8	1		10	10	6	41.8
GV01199-T0833	0-100	Com	6	<8	OD_ST	0	5	0	0	2	7	10	1		10	10	10	66.43
GV01330-CRS05	100-500	Res	8	<10	DIP	0	5	1999	24	1	4	8	5		1	0	6	9.38
GV01363-T0501	100-500	Res	6	<8	AC	0	5	1983	40	1	4	8	1		5	0	6	12.1
GV01589-T1029	500-1000	Res	8	<10	C900	0	5	0	0	1	7	5	5		1	0	6	11.96
GV01656-T1583	100-500	Res	8	<10	DR-14		5	2013	10	1	2	8	5		1	0	6	5.36
GV01712-T0416	0-100	Res	8	<10	C900	0	5	2004	19	3	2	10	5		1	0	6	6.16
GV01736-T0868	100-500	Res	6	<8	AC	0	5	0	0	2D	7	8	1		5	0	6	17.05
GV01775-CRS20	100-500	Com	12	≥10	DIP	350	5	1986	37	2D	4	8	10		1	0	10	12.6
GV01808-T0268	0-100	Com	8	<10	DIP	0	5	1997	26	2	4	10	5		1	0	10	11.9
GV01876-T0809	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
GV01969-T1039	100-500	Com	8	<10	AC	0	5	1970	53	1	6	8	5		5	0	10	21
GV02030-CRS09	100-500	Res	6	<8	AC	0	5	0	0	2	7	8	1		5	0	6	17.05
GV02030-T0345	100-500	Res	8	<10	AC	0	5	1969	54	2	6	8	5		5	0	6	18.76
GV02096-T1104	500-1000	Res	12	≥10	DIP	0	5	1986	37	2D	4	5	10		1	0	6	9.38
GV02200-T0107	100-500	Res	8	<10	DIP	0	5	1995	28	2A	4	8	5		1	0	6	9.38
GV02420-T1064	100-500	Res	8	<10	AC	0	5	1981	42	2D	6	8	5		5	0	6	18.76
GV02623-GV02621	100-500	Res	6	<8	AC	0	5	0	0	4D	7	8	1		5	0	6	17.05
GV02623-GV02622	100-500	Res	6	<8	AC	0	5	0	0	4D	7	8	1		5	0	6	17.05
GV03035-HT004	500-1000	Res	10	≥10	AC	0	5	1969	54	3	6	5	10		5	0	6	18.76
GV03035-T0222	500-1000	Res	10	≥10	AC	0	5	1969	54	3	6	5	10		5	0	6	18.76
GV03120-T0896	0-100	Res	8	<10	C900	0	5	2002	21	3	4	10	5		1	0	6	10.78
GV04039-T0937	1000	Res	6	<8	AC	0	5	1969	54	4	6	2	1		5	0	6	7
GV04167-RDCR078	1000	Res	14	≥10	AC	0	5	1969	54	4	6	2	10		5	0	6	14.56
GV05019-FH-046	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
GV05019-T0187	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
GV05061-T1201	100-500	Res	8	<10	C900	0	5	1997	26	6	4	8	5		1	0	6	9.38
GV05061-T1217	100-500	Res	8	<10	C900	0	5	2000	23	6	4	8	5		1	0	6	9.38

GV1F350-SDL0020	100-500	Res	6	<8	C900	0	5	0	0	1F	7	8	1		1	0	6	12.65
GV3A106-T0063	1000	Res	6	<8	AC	0	5	0	0	3A	7	2	1		5	0	6	7.75
GV3A106-T0075	1000	Res	6	<8	OD_ST	0	5	0	0	3A	7	2	1		10	10	6	22.75
GV9018-T1061	0-100	Res	10	≥10	DIP	0	5	2004	19	1	2	10	10		1	0	6	7.36
GV9147-T0162	100-500	Res	6	<8	OD_ST	0	5	1991	32	3B	4	8	1		10	10	6	45.1
HT004-T0442	100-500	Res	10	≥10	AC	0	5	1969	54	3	6	8	10		5	0	6	22.96
HT005-RC146	100-500	Com	6	<8	C900		5	2009	14	1	2	8	1		1	0	10	5.04
HT009-T0791	100-500	Com	10	≥10	OD_ST	0	5	0	0	1	7	8	10		10	10	10	81.9
HT010-T1602	100-500	Com	8	<10	DR-14 BURST	0	5	2015	8	1	2	8	5		1	0	10	6
MJSS0001-T1566	100-500	Res	12	≥10	DIP		5	2011	12	2D	2	8	10		1	0	6	6.56
MJSS0005-RDCR056	100-500	Res	6	<8	C900	0	5	2004	19	1	2	8	1		1	0	6	4.4
MJSS0010-T0773	0-100	Com	8	<10	DR-14		5	2013	10	1	2	10	5		1	0	10	6.8
MJSS0011-T1622	100-500	Res	8	<10	DR-14		5	2014	9	2	2	8	5		1	0	6	5.36
MJSS0012-T0145	100-500	Res	8	<10	AC	0	5	1983	40	2	4	8	5		5	0	6	14.74
MJSS0013-RDCR057	100-500	Res	8	<10	DIP	0	5	2004	19	3	2	8	5		1	0	6	5.36
PRV-1-1-T0136	0-100	Res	8	<10	C900	0	5	1994	29	2	4	10	5		1	0	6	10.78
PRV-1-3-T0549	100-500	Res	10	≥10	DIP	0	5	1991	32	2	4	8	10		1	0	6	11.48
PRV-1-5-T0825	100-500	Com	10	≥10	DIP	350	5	1990	33	2D	4	8	10		1	0	10	12.6
PRV-1-7-T1056	0-100	Res	10	≥10	C900	150	5	1998	25	1	4	10	10		1	0	6	12.88
PRV-2-1-T1624	0-100	Res	8	<10	DR-14		5	2014	9	3	2	10	5		1	0	6	6.16
PRV-3-2-GV03118	100-500	Res	8	<10	DIP	0	5	1993	30	3	4	8	5		1	0	6	9.38
PRV-3-2-T1171	100-500	Res	8	<10	DIP	0	5	1993	30	3	4	8	5		1	0	6	9.38
PRV-3-3-T1361	1000	Res	8	<10	C900	0	5	1995	28	3	4	2	5		1	0	6	5.18
PRV-3-4-126-080-26A	0-100	Res	6	<8	AC	0	5	0	0	4D	7	10	1		5	0	6	20.15
R2-2-T1350	100-500	Res	14	≥10	OD_ST	0	5	0	0	2D	7	8	10		10	10	6	74.62
R3A-1-T0077	1000	Res	6	<8	OD_ST	0	5	0	0	3A	7	2	1		10	10	6	22.75
R4-1-T1208	100-500	Res	8	<10	OD_ST	0	5	0	0	4	7	8	5		10	10	6	60.97
R4-1-T1210	100-500	Res	16	≥10	AC	0	5	0	0	4	7	8	10		5	0	6	25.42
R5-1-T0593	1000	Res	14	≥10	AC	0	5	1969	54	5B	6	2	10		5	0	6	14.56
R5-2-EC71	0-100	Res		<8	DIP	0	5	1969	54	5	6	10	1		1	0	6	13
R5-2-T0962	0-100	Res	14	≥10	AC	0	5	0	0	5	7	10	10		5	0	6	28.52
R5-3A-T1642	500-1000	Res	10	≥10	LDED WRAPPED ST	0	5	0	0	5-3	7	5	10		10	10	6	60.97
R6-1-T1244	100-500	Res	12	≥10	AC	0	5	1969	54	6	6	8	10		5	0	6	22.96
R6C-1-T0660	500-1000	Res	8	<10	AC	0	5	1969	54	6C	6	5	5		5	0	6	14.56
RC002-T0063	500-1000	Res	6	<8	AC	0	5	0	0	3A	7	5	1		5	0	6	12.4
RC003-T0074	500-1000	Res	8	<10	DIP	0	5	1995	28	2A	4	5	5		1	0	6	7.28
RC004-T0074	500-1000	Res	8	<10	DIP	0	5	1995	28	2A	4	5	5		1	0	6	7.28
RC007-EC09	100-500	Res	6	<8	C900	0	5	0	0	1	7	8	1		1	0	6	12.65
RC009-T0206	0-100	Res	6	<8	AC	0	5	0	0	1	7	10	1		5	0	6	20.15
RC010-T0362	0-100	Res	6	<8	AC	0	5	0	0	1	7	10	1		5	0	6	20.15
RC011-RDCR047	100-500	Res	6	<8	DIP	0	5	1999	24	1	4	8	1		1	0	6	7.7
RC012-RDCR051	100-500	Res	6	<8	DIP	0	5	1999	24	1	4	8	1		1	0	6	7.7
RC014-BND46	0-100	Res	8	<10	C900	0	5	1998	25	1	4	10	5		1	0	6	10.78
RC014-T0356	100-500	Res	8	<10	C900	0	5	1996	27	1	4	8	5		1	0	6	9.38
RC015-T0945	100-500	Res	6	<8	AC	0	5	1969	54	5	6	8	1		5	0	6	15.4
RC018-T0423	0-100	Res	8	<10	C900	200	5	0	0	3	7	10	5		1	0	6	17.71
RC019-RDCR113	100-500	Res	6	<8	C900	0	5	2000	23	3	4	8	1		1	0	6	7.7
RC020-HT004	500-1000	Res	6	<8	C900	0	5	2000	23	3	4	5	1		1	0	6	5.6
RC021-T0444	500-1000	Res	8	<10	DIP	0	5	1988	35	2	4	5	5		1	0	6	7.28
RC022-HT001	100-500	Res	6	<8	C900	0	5	1969	54	3	6	8	1		1	0	6	11
RC022-T0443	100-500	Res	6	<8	AC	0	5	0	0	3	7	8	1		5	0	6	17.05
RC027-T0698	100-500	Res	8	<10	C900		5	1996	27	3	4	8	5		1	0	6	9.38
RC030-RC088	100-500	Com	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	10	10.5
RC032-RDCR102	100-500	Res	6	<8	DIP	0	5	2000	23	1	4	8	1		1	0	6	7.7
RC033-CRS23	100-500	Res	8	<10	DIP	0	5	0	0	1	7	8	5		1	0	6	15.41
RC036-FH-627	500-1000	Com	8	<10	AC	0	5	0	0	1	7	5	5		5	0	10	18.6
RC038-T1095	0-100	Res	12	≥10	DIP	0	5	1987	36	2D	4	10	10		1	0	6	12.88
RC039-T1109	500-1000	Res	8	<10	DIP	0	5	1981	42	2D	6	5	5		1	0	6	10.4
RC041-RDCR026	500-1000	Res	6	<8	OD_ST	0	5	0	0	3	7	5	1		10	10	6	36.4
RC043-RC044	500-1000	Res	6	<8	OD_ST	0	5	0	0	6	7	5	1		10	10	6	36.4
RC045-EC82	0-100	Res	8	<10	DIP	0	5	2006	17	1	2	10	5		1	0	6	6.16
RC046-T1247	100-500	Res	8	<10	AC	0	5	0	0	1	7	8	5		5	0	6	20.77
RC046-T1250	100-500	Res	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	6	9.38
RC047-FIT1251	0-100	Res	6	<8	C900	200	5	0	0	1	7	10	1		1	0	6	14.95
RC061-GV01363	0-100	Res	6	<8	OD_ST	0	5	0	0	1	7	10	1		10	10	6	59.15
RC061-T0218	0-100	Res	6	<8	AC	0	5	1983	40	1	4	10	1		5	0	6	14.3
RC064-T0356	0-100	Res	8	<10	C900	0	5	1996	27	1	4	10	5		1	0	6	10.78
RC065-RC066	500-1000	Res	6	<8	DIP	0	5	1991	32	3B	4	5	1		1	0	6	5.6
RC066-T0170	500-1000	Res	6	<8	AC	0	5	0	0	4B	7	5	1		5	0	6	12.4
RC067-RC062	0-100	Com	8	<10	C900	150	5	2006	17	1	2	10	5		1	0	10	6.8
RC069-T0148	100-500	Res	8	<10	C900	150	5	2006	17	2	2	8	5		1	0	6	5.36
RC071-T0960	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
RC072-BND37	100-500	Res	10	≥10	AC	0	5	1969	54	4	6	8	10		5	0	6	22.96
RC073-T0929	100-500	Res	10	≥10	AC	0	5	1969	54	4	6	8	10		5	0	6	22.96
RC074-T1084	500-1000	Res	8	<10	C900	0	5	2000	23	2D	4	5	5		1	0	6	7.28
RC075-T1094	500-1000	Res	8	<10	C900	0	5	1990	33	2D	4	5	5		1	0	6	7.28

RC076-RC075	500-1000	Res	8	<10	C900	0	5	1996	27	2D	4	5	5		1	0	6	7.28
RC077-RC076	500-1000	Res	8	<10	DIP	0	5	1996	27	2D	4	5	5		1	0	6	7.28
RC078-T1101	1000	Res	8	<10	C900	0	5	1996	27	3	4	2	5		1	0	6	5.18
RC079-T1082	100-500	Res	8	<10	AC	0	5	1981	42	2D	6	8	5		5	0	6	18.76
RC081-EC53	1000	Res	8	<10	OD_ST	0	5	0	0	2D	7	2	5		10	10	6	33.67
RC084-T1590	100-500	Res	8	<10	AC	0	5	0	0	1	7	8	5		5	0	6	20.77
RC085-RDCR103	100-500	Com	6	<8	DIP	0	5	2001	22	1	4	8	1		1	0	10	8.82
RC088-BND19	100-500	Com	8	<10	AC	0	5	0	0	1	7	8	5		5	0	10	23.25
RC089-T0684	500-1000	Res	6	<8	C900	0	5	1994	29	1	4	5	1		1	0	6	5.6
RC090-T0216	0-100	Res	6	<8	AC	0	5	1983	40	1	4	10	1		5	0	6	14.3
RC091-RC090	0-100	Res	6	<8	OD_ST	0	5	0	0	1	7	10	1		10	10	6	59.15
RC092-T0506	100-500	Res	8	<10	AC	0	5	0	0	1	7	8	5		5	0	6	20.77
RC099-T0251	0-100	Res	6	<8	DIP	0	5	1985	38	1	4	10	1		1	0	6	9.1
RC100-T0249	100-500	Res	10	≥10	DIP	350	5	2003	20	1	2	8	10		1	0	6	6.56
RC102-T1464	100-500	Res	6	<8	AC	0	5	0	0	2	7	8	1		5	0	6	17.05
RC103-T0554	500-1000	Res	8	<10	AC	0	5	1988	35	2	4	5	5		5	0	6	11.44
RC105-T0563	100-500	Res	6	<8	AC	0	5	1977	46	2	6	8	1		5	0	6	15.4
RC107-T0568	500-1000	Res	8	<10	C900	0	5	1987	36	2	4	5	5		1	0	6	7.28
RC108-T0419	0-100	Res	8	<10	C900	0	5	2004	19	3	2	10	5		1	0	6	6.16
RC115-T0306	100-500	Res	6	<8	OD_ST	0	5	0	0	2	7	8	1		10	10	6	50.05
RC116-T0300	100-500	Res	8	<10	C900		5	2009	14	2	2	8	5		1	0	6	5.36
RC117-T0503	100-500	Com	6	<8	DIP	0	5	0	0	1	7	8	1		1	0	10	14.49
RC118-T0375	500-1000	Res	8	<10	C900		5	2011	12	1	2	5	5		1	0	6	4.16
RC119-T0244	500-1000	Com	8	<10	C900		5	2011	12	1	2	5	5		1	0	10	4.8
RC122-BND24	500-1000	Res	8	<10	AC	0	5	1969	54	6	6	5	5		5	0	6	14.56
RC123-RC122	1000	Res	8	<10	DIP	0	5	2012	11	6	2	2	5		1	0	6	2.96
RC124-T	0-100	Com	8	<10	AC	0	5	0	0	1	7	10	5		5	0	10	26.35
RC126-RDCR007	0-100	Res	6	<8	AC	0	5	1977	46	1	6	10	1		5	0	6	18.2
RC128-T0118	100-500	Res	8	<10	AC	0	5	1978	45	1	6	8	5		5	0	6	18.76
RC129-T1609	100-500	Com	8	<10	DR-14	0	5	0	0	1	7	8	5		1	0	10	17.25
RC130-T0792	100-500	Com	6	<8	OD_ST	0	5	0	0	1	7	8	1		10	10	10	57.33
RC131-T1593	0-100	Com	8	<10	DR-14		5	2013	10	1	2	10	5		1	0	10	6.8
RC134-RC136	100-500	Com	6	<8	AC	0	5	0	0	1	7	8	1		5	0	10	19.53
RC138-T1686	100-500	Com	8	<10	DR-14	305	5	2018	5	1	2	8	5		1	0	10	6
RC139-T1381	0-100	Res	6	<8	AC	0	5	1978	45	1	6	10	1		5	0	6	18.2
RC140-T0943	500-1000	Res	6	<8	DIP	0	5	2000	23	5	4	5	1		1	0	6	5.6
RC142-T1272	0-100	Res	12	≥10	DIP	0	5	1998	25	1	4	10	10		1	0	6	12.88
RC143-T1276	0-100	Res	12	≥10	DIP	350	5	1996	27	2D	4	10	10		1	0	6	12.88
RC143-T1277	0-100	Res	12	≥10	DIP	0	5	2008	15	2D	2	10	10		1	0	6	7.36
RC145-T0140	100-500	Res	6	<8	AC	0	5	1980	43	2	6	8	1		5	0	6	15.4
RC145-T0142	100-500	Res	8	<10	C900	200	5	2007	16	2	2	8	5		1	0	6	5.36
RC151-FCA014	100-500	Res	6	<8	DR-14		5	2022	1	1	2	8	1		1	0	6	4.4
RDCR001-RC002	100-500	Res	6	<8	C900	0	5	1994	29	3A	4	8	1		1	0	6	7.7
RDCR001-T0060	0-100	Res	10	≥10	CIP	0	5	0	0	3A	7	10	10		5	0	6	28.52
RDCR004-T0070	500-1000	Res	6	<8	C900	0	5	0	0	3A	7	5	1		1	0	6	9.2
RDCR004-T0076	500-1000	Res	8	<10	DIP	0	5	2001	22	3A	4	5	5		1	0	6	7.28
RDCR006-T0083	100-500	Res	6	<8	AC	0	5	0	0	1E	7	8	1		5	0	6	17.05
RDCR007-T0117	0-100	Res	8	<10	AC	0	5	0	0	1	7	10	5		5	0	6	23.87
RDCR009-T0267	0-100	Com	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	10	28
RDCR010-BND07	100-500	Com	8	<10	DIP	0	5	2001	22	2	4	8	5		1	0	10	10.5
RDCR012-T0110	0-100	Res	8	<10	AC	0	5	0	0	1	7	10	5		5	0	6	23.87
RDCR013-T0329	100-500	Res	8	<10	DIP	0	5	1996	27	2	4	8	5		1	0	6	9.38
RDCR014-T0373	100-500	Res	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	6	9.38
RDCR017-T0425	500-1000	Res	8	<10	OD_ST	0	5	0	0	3	7	5	5		10	10	6	47.32
RDCR017-T1128	500-1000	Res	8	<10	C900	0	5	1998	25	3	4	5	5		1	0	6	7.28
RDCR019-BND14	100-500	Res	8	<10	DIP	0	5	1999	24	1	4	8	5		1	0	6	9.38
RDCR019-GV01139	100-500	Res	6	<8	OD_ST	0	5	0	0	1	7	8	1		10	10	6	50.05
RDCR020-T1469	0-100	Res	6	<8	C900	0	5	2002	21	3	4	10	1		1	0	6	9.1
RDCR021-T0729	100-500	Res	8	<10	AC	0	5	1973	50	3	6	8	5		5	0	6	18.76
RDCR023-T0948	100-500	Res	8	<10	C900	0	5	2000	23	5	4	8	5		1	0	6	9.38
RDCR024-T0954	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
RDCR025-T1066	0-100	Res	8	<10	C900	0	5	1994	29	1	4	10	5		1	0	6	10.78
RDCR026-ZV4-3-3	500-1000	Res	8	<10	DIP	0	5	2001	22	4	4	5	5		1	0	6	7.28
RDCR027-T1168	0-100	Res	8	<10	DIP	0	5	1997	26	4	4	10	5		1	0	6	10.78
RDCR027-T1172	100-500	Res	6	<8	AC	0	5	0	0	4	7	8	1		5	0	6	17.05
RDCR034-T1348	100-500	Res	6	<8	C900	0	5	1987	36	2D	4	8	1		1	0	6	7.7
RDCR035-ZV4-2-1	100-500	Res	10	≥10	DIP	0	5	2011	12	4	2	8	10		1	0	6	6.56
RDCR036-T1075	500-1000	Res	6	<8	OD_ST	0	5	0	0	2D	7	5	1		10	10	6	36.4
RDCR036-T1492	500-1000	Res	8	<10	C900	0	5	1995	28	2D	4	5	5		1	0	6	7.28
RDCR041-T1574	100-500	Res	6	<8	AC	0	5	0	0	1E	7	8	1		5	0	6	17.05
RDCR042-GV1E113	100-500	Res	6	<8	AC	0	5	0	0	1E	7	8	1		5	0	6	17.05
RDCR047-GV01330	100-500	Res	8	<10	DIP	0	5	1999	24	1	4	8	5		1	0	6	9.38
RDCR048-RC009	100-500	Res	6	<8	DIP	0	5	0	0	1	7	8	1		1	0	6	12.65
RDCR049-CRS04	100-500	Res	8	<10	DIP	0	5	1999	24	1	4	8	5		1	0	6	9.38
RDCR050-RC010	100-500	Res	6	<8	DIP	0	5	1999	24	1	4	8	1		1	0	6	7.7
RDCR051-T0215	100-500	Res	8	<10	DIP	0	5	1999	24	1	4	8	5		1	0	6	9.38

RDCR056-T1390	100-500	Res	8	<10	C900	0	5	2004	19	1	2	8	5		1	0	6	5.36
RDCR057-T0144	100-500	Res	8	<10	DIP	0	5	2004	19	3	2	8	5		1	0	6	5.36
RDCR058-T0341	500-1000	Res	6	<8	DIP	0	5	1996	27	2	4	5	1		1	0	6	5.6
RDCR060-T0159	500-1000	Res	10	≥10	AC	0	5	1969	54	3	6	5	10		5	0	6	18.76
RDCR061-T0160	500-1000	Res	6	<8	C900	0	5	1991	32	3	4	5	1		1	0	6	5.6
RDCR062-T0310	500-1000	Res	12	≥10	AC	0	5	1969	54	5B	6	5	10		5	0	6	18.76
RDCR063-CRS03	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
RDCR071-T0600	1000	Res	8	<10	AC	0	5	1969	54	8B	6	2	5		5	0	6	10.36
RDCR074-T1711	500-1000	Res	8	<10	C900	0	5	2014	9	2	2	5	5		1	0	6	4.16
RDCR075-BV-010	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
RDCR075-T0649	500-1000	Res	8	<10	C900	0	5	0	0	4	7	5	5		1	0	6	11.96
RDCR076-T0647	100-500	Res	6	<8	AC	0	5	1969	54	5C	6	8	1		5	0	6	15.4
RDCR077-RDCR076	100-500	Res	8	<10	AC	0	5	1969	54	5C	6	8	5		5	0	6	18.76
RDCR078-T0881	1000	Res	16	≥10	AC	0	5	1969	54	4	6	2	10		5	0	6	14.56
RDCR079-T0943	100-500	Res	8	<10	C900	0	5	2000	23	5	4	8	5		1	0	6	9.38
RDCR080-GV05045	0-100	Res	6	<8	AC	0	5	1969	54	6	6	10	1		5	0	6	18.2
RDCR086-T1401	500-1000	Res	6	<8	C900	0	5	2000	23	6	4	5	1		1	0	6	5.6
RDCR090-T1085	500-1000	Res	8	<10	C900	200	5	2009	14	2D	2	5	5		1	0	6	4.16
RDCR091-T1086	500-1000	Res	8	<10	C900	0	5	1996	27	2D	4	5	5		1	0	6	7.28
RDCR093-GV01020	0-100	Res	8	<10	C900	0	5	2007	16	1	2	10	5		1	0	6	6.16
RDCR093-T0256	0-100	Res	6	<8	DIP	0	5	1985	38	1	4	10	1		1	0	6	9.1
RDCR094-EC79	100-500	Res	12	≥10	C900	0	5	1992	31	2D	4	8	10		1	0	6	11.48
RDCR096-RC083	100-500	Res	6	<8	C900	0	5	2007	16	2D	2	8	1		1	0	6	4.4
RDCR099-T1266	100-500	Res	8	<10	C900	0	5	1996	27	1	4	8	5		1	0	6	9.38
RDCR100-T0978	100-500	Res	8	<10	C900	0	5	1996	27	1	4	8	5		1	0	6	9.38
RDCR101-CRS23	100-500	Res	6	<8	DIP	0	5	0	0	1	7	8	1		1	0	6	12.65
RDCR102-T0976	100-500	Res	8	<10	DIP	0	5	2000	23	1	4	8	5		1	0	6	9.38
RDCR104-T0995	100-500	Res	12	≥10	DIP	0	5	1994	29	1	4	8	10		1	0	6	11.48
RDCR107-T0207	100-500	Res	8	<10	DIP	0	5	1999	24	1	4	8	5		1	0	6	9.38
RDCR111-T0538	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
RDCR113-T0424	0-100	Res	8	<10	C900	0	5	2000	23	3	4	10	5		1	0	6	10.78
RDCR115-T0904	100-500	Res	8	<10	C900	0	5	2002	21	3	4	8	5		1	0	6	9.38
RDCR115-T0905	100-500	Res	8	<10	AC	0	5	1977	46	3	6	8	5		5	0	6	18.76
RDCR116-T1173	0-100	Res	6	<8	AC	0	5	1969	54	4	6	10	1		5	0	6	18.2
RDCR118-T0690	500-1000	Res	6	<8	DIP	350	5	2009	14	3	2	5	1		1	0	6	3.2
RDCR119-T0676	0-100	Res	6	<8	DIP	0	5	1999	24	1	4	10	1		1	0	6	9.1
RDCR126-T1642	500-1000	Res	10	≥10	LDED WRAPPED ST	0	5	1992	31	5-3	4	5	10		10	10	6	54.94
RDCR127-RDCR128	0-100	Res	14	≥10	DIP	0	5	1999	24	5-3	4	10	10		1	0	6	12.88
RDCR133-EC109	100-500	Res	6	<8	AC	0	5	0	0	1	7	8	1		5	0	6	17.05
RDCR135-RC126	0-100	Res	6	<8	DR-14		5	2013	10	1	2	10	1		1	0	6	5.2
RDCR136-MJSS0005	100-500	Res	6	<8	DR-14		5	2013	10	1	2	8	1		1	0	6	4.4
RDCR140-RC130	100-500	Com	6	<8	DR-14		5	2013	10	1	2	8	1		1	0	10	5.04
RDCR145-T0098	1000	Res	6	<8	C900	0	5	1997	26	2A	4	2	1		1	0	6	3.5
RDCR146-T0098	1000	Res	6	<8	C900	0	5	1997	26	2A	4	2	1		1	0	6	3.5
RDCR147-T0090	500-1000	Res	8	<10	C900	0	5	2016	7	2A	2	5	5		1	0	6	4.16
RDCR148-T0059	0-100	Res	6	<8	C900	0	5	0	0	3A	7	10	1		1	0	6	14.95
RDCR150-T0139	0-100	Res	10	≥10	DIP	0	5	1994	29	2A	4	10	10		1	0	6	12.88
SDL0031-T0022	500-1000	Res	8	<10	DIP	0	5	0	0	1F	7	5	5		1	0	6	11.96
SDL0049-RDCR002	100-500	Res	8	<10	C900	0	5	0	0	1F	7	8	5		1	0	6	15.41
SDL0169-RDCR145	500-1000	Res	4	<8	OD_ST	0	5	0	0	2A	7	5	1		10	10	6	36.4
SDL0171-SDL0169	500-1000	Res	4	<8	OD_ST	0	5	0	0	2A	7	5	1		10	10	6	36.4
SDL0176-T0099	1000	Res	6	<8	OD_ST	0	5	0	0	3A	7	2	1		10	10	6	22.75
SDL0185-T0103	100-500	Res	8	<10	DIP	0	5	1995	28	2A	4	8	5		1	0	6	9.38
SDL0205-T0123	100-500	Res	6	<8	PVC SDR 35	0	5	0	0	1	7	8	1		1	0	6	12.65
SDL1206-RC013	0-100	Res	6	<8	OD_ST	0	5	0	0	1	7	10	1		10	10	6	59.15
SDL1687-T0727	0-100	Res	6	<8	AC	0	5	1969	54	4	6	10	1		5	0	6	18.2
SDL1762-GV01775	100-500	Com	12	≥10	DIP	0	5	1986	37	2D	4	8	10		1	0	10	12.6
SDL2151-CRS25	500-1000	Res	6	<8	C900	0	5	0	0	1	7	5	1		1	0	6	9.2
SDL2270-RC039	500-1000	Res	8	<10	C900	0	5	1996	27	2D	4	5	5		1	0	6	7.28
SDL2270-T1107	500-1000	Res	8	<10	C900	0	5	1996	27	2D	4	5	5		1	0	6	7.28
SDL2272-CRS32	100-500	Res	12	≥10	DIP	0	5	1987	36	2D	4	8	10		1	0	6	11.48
SDL2372-T1156	0-100	Res	8	<10	C900	0	5	1992	31	3	4	10	5		1	0	6	10.78
SDL2453-T1229	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
SDL2699-T1363	1000	Res	8	<10	C900	0	5	1995	28	3	4	2	5		1	0	6	5.18
ski area-FIT1471	500-1000	Res	4	<8	PVC SDR 35	0	5	0	0	5-3	7	5	1		1	0	6	9.2
T0002-GV1F023	500-1000	Res	6	<8	DIP	0	5	0	0	1F	7	5	1		1	0	6	9.2
T0003-T0002	500-1000	Res	6	<8	DIP	0	5	0	0	1F	7	5	1		1	0	6	9.2
T0003-T0004	500-1000	Res	6	<8	DIP	0	5	0	0	1F	7	5	1		1	0	6	9.2
T0003-T1544	500-1000	Res	6	<8	DIP	0	5	0	0	1F	7	5	1		1	0	6	9.2
T0004-GV1F159	100-500	Res	6	<8	DIP	0	5	0	0	1F	7	8	1		1	0	6	12.65
T0004-T0007	500-1000	Res	8	<10	DIP	0	5	0	0	1F	7	5	5		1	0	6	11.96
T0007-T0011	500-1000	Res	8	<10	DIP	0	5	0	0	1F	7	5	5		1	0	6	11.96
T0011-T0012	500-1000	Res	8	<10	DIP	0	5	0	0	1F	7	5	5		1	0	6	11.96
T0011-T0017	500-1000	Res	8	<10	DIP	0	5	0	0	1F	7	5	5		1	0	6	11.96
T0012-T0013	1000	Res	8	<10	DIP	0	5	0	0	1F	7	2	5		1	0	6	8.51
T0013-T0025	500-1000	Res	8	<10	CIP	0	5	0	0	1F	7	5	5		5	0	6	16.12

T0017-SDL0020	100-500	Res	6	<8	C900	0	5	2005	18	1F	2	8	1		1	0	6	4.4
T0021-T0017	500-1000	Res	8	<10	DIP	0	5	0	0	1F	7	5	5		1	0	6	11.96
T0022-T0021	500-1000	Res	8	<10	DIP	0	5	0	0	1F	7	5	5		1	0	6	11.96
T0022-T0035	100-500	Res	8	<10	DIP	0	5	0	0	1F	7	8	5		1	0	6	15.41
T0023-T1498	100-500	Res	6	<8	AC	0	5	0	0	1F	7	8	1		5	0	6	17.05
T0025-T0026	500-1000	Res	8	<10	DIP	0	5	0	0	1F	7	5	5		1	0	6	11.96
T0025-T0034	500-1000	Res	8	<10	CIP	0	5	0	0	1F	7	5	5		5	0	6	16.12
T0026-T0028	500-1000	Res	8	<10	DIP	0	5	0	0	1F	7	5	5		1	0	6	11.96
T0028-T0031	500-1000	Res	8	<10	DIP	0	5	0	0	1F	7	5	5		1	0	6	11.96
T0031-T0028	500-1000	Res	8	<10	DIP	0	5	1993	30	1F	4	5	5		1	0	6	7.28
T0031-T0029	500-1000	Res	8	<10	DIP	0	5	0	0	1F	7	5	5		1	0	6	11.96
T0034-T0037	100-500	Res	8	<10	CIP	0	5	0	0	1F	7	8	5		5	0	6	20.77
T0035-T1488	500-1000	Res	8	<10	DIP	0	5	0	0	1F	7	5	5		1	0	6	11.96
T0041-T0039	100-500	Res	8	<10	DIP	0	5	0	0	1F	7	8	5		1	0	6	15.41
T0042-T0041	100-500	Res	10	≥10	DIP	0	5	0	0	1F	7	8	10		1	0	6	18.86
T0043-T0042	100-500	Res	10	≥10	DIP	0	5	0	0	1F	7	8	10		1	0	6	18.86
T0045-T0038	100-500	Res	8	<10	DIP	0	5	0	0	1F	7	8	5		1	0	6	15.41
T0045-T0043	100-500	Res	10	≥10	DIP	0	5	0	0	1F	7	8	10		1	0	6	18.86
T0047-T0046	100-500	Res	10	≥10	CIP	0	5	0	0	1F	7	8	10		5	0	6	25.42
T0048-T0043	100-500	Res	8	<10	CIP	0	5	0	0	1F	7	8	5		5	0	6	20.77
T0049-T0055	100-500	Res	12	≥10	CIP	0	5	0	0	3A	7	8	10		5	0	6	25.42
T0049-T1684	100-500	Res	10	≥10	CIP	0	5	1973	50	1F	6	8	10		5	0	6	22.96
T0050-Altitude Valve	0-100	Res	10	≥10	DIP	0	5	0	0	1F	7	10	10		1	0	6	21.16
T0050-T0051	0-100	Res	10	≥10	CIP	0	5	0	0	1F	7	10	10		5	0	6	28.52
T0050-T1493	0-100	Res	10	≥10	CIP	0	5	0	0	1F	7	10	10		5	0	6	28.52
T0052-T0049	0-100	Res	8	<10	CIP	0	5	0	0	1F	7	10	5		5	0	6	23.87
T0052-T0051	0-100	Res	10	≥10	CIP	0	5	0	0	1F	7	10	10		5	0	6	28.52
T0052-ZV3A-1F-1	0-100	Res	10	≥10	AC	0	5	0	0	3A	7	10	10		5	0	6	28.52
T0054-T0047	100-500	Res	10	≥10	CIP	0	5	0	0	1F	7	8	10		5	0	6	25.42
T0055-R2	100-500	Res	12	≥10	CIP	0	5	0	0	3A	7	8	10		5	0	6	25.42
T0059-T0060	0-100	Res	10	≥10	CIP	0	5	0	0	3A	7	10	10		5	0	6	28.52
T0062-T0047	100-500	Res	8	<10	C900	0	5	0	0	1F	7	8	5		1	0	6	15.41
T0063-T0065	1000	Res	8	<10	C900	0	5	1995	28	3A	4	2	5		1	0	6	5.18
T0064-T0062	500-1000	Res	8	<10	DIP	0	5	1995	28	2A	4	5	5		1	0	6	7.28
T0064-T1628	500-1000	Res	8	<10	C900	0	5	1995	28	2A	4	5	5		1	0	6	7.28
T0067-SDL0049	500-1000	Res	8	<10	C900	0	5	0	0	1F	7	5	5		1	0	6	11.96
T0067-T0062	500-1000	Res	8	<10	C900	0	5	0	0	1F	7	5	5		1	0	6	11.96
T0070-T0065	500-1000	Res	8	<10	C900	150	5	0	0	3A	7	5	5		1	0	6	11.96
T0071-RC003	500-1000	Res	8	<10	C900	0	5	1995	28	2A	4	5	5		1	0	6	7.28
T0072-T1495	100-500	Res	6	<8	OD_ST	0	5	0	0	2A	7	8	1		10	10	6	50.05
T0075-T0077	1000	Res	6	<8	OD_ST	0	5	0	0	3A	7	2	1		10	10	6	22.75
T0076-T0081	500-1000	Res	8	<10	DIP	0	5	2001	22	3A	4	5	5		1	0	6	7.28
T0079-RC004	500-1000	Res	8	<10	C900	0	5	1995	28	2A	4	5	5		1	0	6	7.28
T0080-T0077	1000	Res	6	<8	OD_ST	0	5	0	0	3A	7	2	1		10	10	6	22.75
T0081-T0085	500-1000	Res	8	<10	DIP	0	5	2001	22	3A	4	5	5		1	0	6	7.28
T0082-RDCR041	0-100	Res	8	<10	DIP	0	5	1995	28	1E	4	10	5		1	0	6	10.78
T0082-T1569	0-100	Res	8	<10	DIP	0	5	1995	28	1E	4	10	5		1	0	6	10.78
T0084-T0083	100-500	Res	6	<8	AC	0	5	0	0	1E	7	8	1		5	0	6	17.05
T0084-T1575	100-500	Res	6	<8	AC	0	5	0	0	1E	7	8	1		5	0	6	17.05
T0085-T0089	500-1000	Res	8	<10	DIP	0	5	2001	22	3A	4	5	5		1	0	6	7.28
T0086-T0080	500-1000	Res	6	<8	OD_ST	0	5	0	0	3A	7	5	1		10	10	6	36.4
T0087-SDL0116	500-1000	Res	8	<10	C900	0	5	1994	29	2A	4	5	5		1	0	6	7.28
T0087-T0079	500-1000	Res	8	<10	C900	0	5	1995	28	2A	4	5	5		1	0	6	7.28
T0089-T1690	1000	Res	6	<8	C900	0	5	1994	29	2A	4	2	1		1	0	6	3.5
T0091-T0086	1000	Res	6	<8	OD_ST	0	5	0	0	3A	7	2	1		10	10	6	22.75
T0093-SDL0116	500-1000	Res	8	<10	DIP	0	5	1995	28	2A	4	5	5		1	0	6	7.28
T0096-T0089	1000	Res	6	<8	C900	0	5	1994	29	3A	4	2	1		1	0	6	3.5
T0096-T0091	1000	Res	6	<8	OD_ST	0	5	0	0	3A	7	2	1		10	10	6	22.75
T0099-T1537	1000	Res	6	<8	OD_ST	0	5	0	0	3A	7	2	1		10	10	6	22.75
T0100-T1373	500-1000	Res	8	<10	DIP	0	5	1995	28	2A	4	5	5		1	0	6	7.28
T0102-RDCR042	100-500	Res	8	<10	DIP	0	5	1995	28	1E	4	8	5		1	0	6	9.38
T0103-T0100	100-500	Res	8	<10	DIP	0	5	1995	28	2A	4	8	5		1	0	6	9.38
T0103-T0102	100-500	Res	8	<10	DIP	0	5	1995	28	1E	4	8	5		1	0	6	9.38
T0104-T0106	0-100	Res	8	<10	AC	0	5	1978	45	1	6	10	5		5	0	6	21.56
T0106-RC058	0-100	Res	6	<8	AC	0	5	1978	45	1	6	10	1		5	0	6	18.2
T0106-T1380	0-100	Res	8	<10	AC	0	5	1978	45	1	6	10	5		5	0	6	21.56
T0107-SDL0185	100-500	Res	8	<10	DIP	0	5	1995	28	2A	4	8	5		1	0	6	9.38
T0109-GV02800	100-500	Res	8	<10	DIP	0	5	1994	29	2A	4	8	5		1	0	6	9.38
T0110-T0113	0-100	Res	8	<10	AC	0	5	1978	45	1	6	10	5		5	0	6	21.56
T0112-T1383	0-100	Res	8	<10	AC	0	5	0	0	1	7	10	5		5	0	6	23.87
T0113-T0112	0-100	Res	8	<10	AC	0	5	0	0	1	7	10	5		5	0	6	23.87
T0115-T0114	0-100	Res	8	<10	AC	0	5	1978	45	1	6	10	5		5	0	6	21.56
T0116-BND108	0-100	Res	8	<10	AC	0	5	1978	45	1	6	10	5		5	0	6	21.56
T0117-T0116	0-100	Res	8	<10	AC	0	5	1978	45	1	6	10	5		5	0	6	21.56
T0119-T0118	100-500	Res	8	<10	AC	0	5	0	0	1	7	8	5		5	0	6	20.77
T0120-T0119	100-500	Res	8	<10	AC	0	5	0	0	1	7	8	5		5	0	6	20.77

T0121-T0120	100-500	Res	8	<10	AC	0	5	0	0	1	7	8	5		5	0	6	20.77
T0121-T0131	500-1000	Res	8	<10	C900	0	5	0	0	1	7	5	5		1	0	6	11.96
T0124-GV01656	100-500	Res	8	<10	C900	0	5	2004	19	1	2	8	5		1	0	6	5.36
T0125-T0120	100-500	Res	8	<10	C900	0	5	1994	29	1	4	8	5		1	0	6	9.38
T0126-RC128	100-500	Res	8	<10	DR-14	0	5	2013	10	1	2	8	5		1	0	6	5.36
T0126-RDCR136	100-500	Res	8	<10	DR-14		5	2013	10	1	2	8	5		1	0	6	5.36
T0127-T0125	100-500	Res	8	<10	C900	0	5	1994	29	1	4	8	5		1	0	6	9.38
T0127-T1584	100-500	Res	8	<10	DR-14		5	2013	10	1	2	8	5		1	0	6	5.36
T0128-T0123	100-500	Res	6	<8	PVC SDR 35	0	5	1988	35	1	4	8	1		1	0	6	7.7
T0130-RDCR135	0-100	Res	8	<10	DR-14		5	2013	10	1	2	10	5		1	0	6	6.16
T0130-T1582	0-100	Res	8	<10	DR-14		5	2013	10	1	2	10	5		1	0	6	6.16
T0131-T0132	500-1000	Res	8	<10	C900	0	5	0	0	1	7	5	5		1	0	6	11.96
T0135-D2C01	100-500	Res	8	<10	C900	0	5	2004	19	1	2	8	5		1	0	6	5.36
T0135-PRV-1-1	100-500	Res	8	<10	C900	0	5	1994	29	1	4	8	5		1	0	6	9.38
T0135-T0138	100-500	Res	8	<10	DIP	0	5	1988	35	1	4	8	5		1	0	6	9.38
T0136-T0137	100-500	Res	8	<10	AC	0	5	1980	43	2	6	8	5		5	0	6	18.76
T0136-T0140	0-100	Res	6	<8	AC	0	5	1980	43	2	6	10	1		5	0	6	18.2
T0139-RC068	100-500	Res	8	<10	AC	0	5	1980	43	2	6	8	5		5	0	6	18.76
T0139-T0137	100-500	Res	8	<10	AC	0	5	1980	43	2	6	8	5		5	0	6	18.76
T0142-T0338	100-500	Res	8	<10	C900	200	5	2007	16	2	2	8	5		1	0	6	5.36
T0144-T0147	100-500	Res	6	<8	AC	0	5	1980	43	3	6	8	1		5	0	6	15.4
T0144-T0149	100-500	Res	8	<10	C900	200	5	1996	27	3	4	8	5		1	0	6	9.38
T0145-T0438	100-500	Res	8	<10	AC	0	5	1983	40	2	4	8	5		5	0	6	14.74
T0148-MJSS0011	100-500	Res	8	<10	C900	150	5	2006	17	2	2	8	5		1	0	6	5.36
T0148-RC068	100-500	Res	8	<10	C900	150	5	2006	17	2	2	8	5		1	0	6	5.36
T0149-T0150	100-500	Res	8	<10	C900	200	5	1996	27	3	4	8	5		1	0	6	9.38
T0150-GV03215	100-500	Res	8	<10	C900	200	5	1996	27	3	4	8	5		1	0	6	9.38
T0150-T0154	100-500	Res	8	<10	C900	0	5	1997	26	3	4	8	5		1	0	6	9.38
T0152-T0147	100-500	Res	6	<8	AC	0	5	1980	43	3	6	8	1		5	0	6	15.4
T0153-GV03215	500-1000	Res	8	<10	C900	0	5	1996	27	3	4	5	5		1	0	6	7.28
T0153-T0156	500-1000	Res	8	<10	C900	0	5	1996	27	3	4	5	5		1	0	6	7.28
T0156-T0157	500-1000	Res	8	<10	C900	0	5	1996	27	3	4	5	5		1	0	6	7.28
T0157-RDCR060	500-1000	Res	8	<10	C900	0	5	1998	25	3	4	5	5		1	0	6	7.28
T0157-RDCR061	500-1000	Res	8	<10	C900	0	5	1998	25	3	4	5	5		1	0	6	7.28
T0158-ZV3B-3-2	500-1000	Res	8	<10	C900	200	5	1996	27	3B	4	5	5		1	0	6	7.28
T0159-T0164	1000	Res	10	≥10	AC	0	5	1969	54	3	6	2	10		5	0	6	14.56
T0161-GV9147	500-1000	Res	6	<8	AC	0	5	1991	32	3B	4	5	1		5	0	6	8.8
T0161-T0163	500-1000	Res	6	<8	C900	0	5	1991	32	3B	4	5	1		1	0	6	5.6
T0162-SDL0320	100-500	Res	8	<10	C900	200	5	1996	27	3B	4	8	5		1	0	6	9.38
T0162-T0158	100-500	Res	8	<10	C900	200	5	1996	27	3B	4	8	5		1	0	6	9.38
T0163-T0166	500-1000	Res	6	<8	AC	0	5	1969	54	3B	6	5	1		5	0	6	11.2
T0164-T0462	1000	Res	10	≥10	AC	0	5	1969	54	3	6	2	10		5	0	6	14.56
T0166-FH-037	500-1000	Res	6	<8	AC	0	5	1969	54	3B	6	5	1		5	0	6	11.2
T0166-T0168	500-1000	Res	6	<8	AC	0	5	1969	54	3B	6	5	1		5	0	6	11.2
T0167-T0169	1000	Res	6	<8	AC	0	5	0	0	3B	7	2	1		5	0	6	7.75
T0168-RC065	1000	Res	6	<8	AC	0	5	1969	54	3B	6	2	1		5	0	6	7
T0168-T0167	1000	Res	6	<8	AC	0	5	1969	54	3B	6	2	1		5	0	6	7
T0171-T0170	500-1000	Res	6	<8	AC	0	5	0	0	4B	7	5	1		5	0	6	12.4
T0171-T0172	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0172-T0173	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0173-T0175	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0174-T0170	500-1000	Res	6	<8	AC	0	5	0	0	4B	7	5	1		5	0	6	12.4
T0175-T0177	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0176-T0174	1000	Res	6	<8	AC	0	5	1969	54	4B	6	2	1		5	0	6	7
T0176-T0178	1000	Res	6	<8	AC	0	5	1969	54	4B	6	2	1		5	0	6	7
T0177-T0181	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0178-T0469	1000	Res	6	<8	AC	0	5	0	0	4B	7	2	1		5	0	6	7.75
T0179-T0178	1000	Res	6	<8	AC	0	5	0	0	4B	7	2	1		5	0	6	7.75
T0179-T0180	1000	Res	6	<8	AC	0	5	1969	54	4B	6	2	1		5	0	6	7
T0181-T0183	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0182-T0179	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0183-T0182	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0183-T0184	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0184-T0185	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0185-T0186	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0185-T0187	500-1000	Res	8	<10	AC	0	5	1969	54	5B	6	5	5		5	0	6	14.56
T0186-T0476	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0187-T0189	500-1000	Res	8	<10	AC	0	5	1969	54	5B	6	5	5		5	0	6	14.56
T0189-T0190	1000	Res	8	<10	AC	0	5	1969	54	5B	6	2	5		5	0	6	10.36
T0190-RDCR063	500-1000	Res	8	<10	AC	0	5	1969	54	5B	6	5	5		5	0	6	14.56
T0191-EC99	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0192-CRS03	500-1000	Res	6	<8	AC	0	5	0	0	5B	7	5	1		5	0	6	12.4
T0193-T0192	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0194-EC10	100-500	Res	12	≥10	AC	0	5	1969	54	5B	6	8	10		5	0	6	22.96
T0195-T0499	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T0197-T0200	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7

T0197-T1398	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T0198-T0197	1000	Res	6	<8	AC	0	5	0	0	8B	7	2	1		5	0	6	7.75
T0198-T0199	1000	Res	6	<8	AC	0	5	0	0	8B	7	2	1		5	0	6	7.75
T0200-T0201	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T0202-T0201	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T0203-T0202	1000	Res	6	<8	AC	0	5	0	0	8B	7	2	1		5	0	6	7.75
T0204-R8B-1	1000	Res	8	<10	AC	0	5	0	0	8B	7	2	5		5	0	6	11.47
T0204-T0201	1000	Res	8	<10	AC	0	5	1969	54	8B	6	2	5		5	0	6	10.36
T0205-T0204	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T0205-T0351	500-1000	Res	6	<8	AC	0	5	1969	54	8B	6	5	1		5	0	6	11.2
T0206-T0209	0-100	Res	6	<8	AC	0	5	0	0	1	7	10	1		5	0	6	20.15
T0208-FITPP013	100-500	Res	6	<8	C900	0	5	1999	24	1	4	8	1		1	0	6	7.7
T0209-T0212	0-100	Res	6	<8	AC	0	5	0	0	1	7	10	1		5	0	6	20.15
T0210-RC011	100-500	Res	6	<8	C900	0	5	1983	40	1	4	8	1		1	0	6	7.7
T0211-CRS05	0-100	Res	12	≥10	DIP	0	5	1999	24	1	4	10	10		1	0	6	12.88
T0211-T0215	0-100	Res	12	≥10	DIP	0	5	1999	24	1	4	10	10		1	0	6	12.88
T0212-RC012	100-500	Res	6	<8	AC	0	5	0	0	1	7	8	1		5	0	6	17.05
T0212-RDCR049	0-100	Res	6	<8	AC	0	5	0	0	1	7	10	1		5	0	6	20.15
T0215-T0217	100-500	Res	12	≥10	DIP	0	5	1999	24	1	4	8	10		1	0	6	11.48
T0216-BND39	100-500	Res	6	<8	AC	0	5	1983	40	1	4	8	1		5	0	6	12.1
T0217-T0500	100-500	Res	12	≥10	DIP	0	5	1999	24	1	4	8	10		1	0	6	11.48
T0218-RC013	0-100	Res	6	<8	AC	0	5	1983	40	1	4	10	1		5	0	6	14.3
T0218-RC091	0-100	Res	6	<8	AC	0	5	1983	40	1	4	10	1		5	0	6	14.3
T0221-T0303	0-100	Res	12	≥10	DIP	0	5	1985	38	2	4	10	10		1	0	6	12.88
T0222-T0576	500-1000	Res	10	≥10	AC	0	5	1969	54	3	6	5	10		5	0	6	18.76
T0223-T0224	500-1000	Res	18	≥10	CCP	0	5	1969	54	3	6	5	10		5	0	6	18.76
T0223-T0577	500-1000	Res	18	≥10	CCP	0	5	1969	54	3	6	5	10		5	0	6	18.76
T0224-T0225	500-1000	Res	18	≥10	CCP	0	5	1969	54	3	6	5	10		5	0	6	18.76
T0225-T0226	500-1000	Res	18	≥10	CCP	0	5	1969	54	3	6	5	10		5	0	6	18.76
T0227-T0226	100-500	Res	18	≥10	CCP	0	5	1969	54	3	6	8	10		5	0	6	22.96
T0228-T0227	100-500	Res	18	≥10	CCP	0	5	1969	54	3	6	8	10		5	0	6	22.96
T0230-T0578	100-500	Res	14	≥10	CCP	0	5	1969	54	5B	6	8	10		5	0	6	22.96
T0231-T0229	0-100	Res	6	<8	AC	0	5	1969	54	5B	6	10	1		5	0	6	18.2
T0231-T0230	100-500	Res	14	≥10	CCP	0	5	1969	54	5B	6	8	10		5	0	6	22.96
T0232-T0231	100-500	Res	14	≥10	CCP	0	5	1969	54	5B	6	8	10		5	0	6	22.96
T0233-ECABND99	0-100	Res	10	≥10	AC	0	5	1992	31	1	4	10	10		5	0	6	20.24
T0234-T1715	500-1000	Com	8	<10	AC	0	5	1978	45	1	6	5	5		5	0	10	16.8
T0235-T0233	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0236-T0251	0-100	Res	6	<8	DIP	0	5	1985	38	1	4	10	1		1	0	6	9.1
T0236-T1701	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0239-T0381	0-100	Com	10	≥10	DIP	0	5	1985	38	1	4	10	10		1	0	10	14
T0240-RC063	0-100	Com	6	<8	AC	0	5	1976	47	1	6	10	1		5	0	10	20.44
T0241-T0252	100-500	Res	6	<8	DR-14		5	2013	10	1	2	8	1		1	0	6	4.4
T0241-T1434	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0241-T1702	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T0243-GV01017	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T0244-RC120	500-1000	Com	8	<10	C900		5	2011	12	1	2	5	5		1	0	10	4.8
T0245-T0246	500-1000	Com	10	≥10	AC	0	5	1978	45	1	6	5	10		5	0	10	21
T0246-RC119	500-1000	Com	8	<10	AC	0	5	1978	45	1	6	5	5		5	0	10	16.8
T0246-RDCR008	100-500	Com	10	≥10	DIP	0	5	1990	33	1	4	8	10		1	0	10	12.6
T0247-CRS06	0-100	Com	10	≥10	DIP	0	5	0	0	1	7	10	10		1	0	10	23
T0247-T0248	0-100	Com	10	≥10	DIP	0	5	1985	38	1	4	10	10		1	0	10	14
T0248-RC100	100-500	Com	10	≥10	DIP	350	5	1985	38	1	4	8	10		1	0	10	12.6
T0249-T0240	0-100	Com	6	<8	AC	0	5	1976	47	1	6	10	1		5	0	10	20.44
T0249-T0800	100-500	Res	10	≥10	DIP	350	5	2003	20	1	2	8	10		1	0	6	6.56
T0250-MJSS0014	0-100	Com	8	<10	C900	0	5	2016	7	1	2	10	5		1	0	10	6.8
T0250-RC067	0-100	Com	8	<10	C900	0	5	2007	16	1	2	10	5		1	0	10	6.8
T0252-RC099	100-500	Res	6	<8	DR-14		5	2013	10	1	2	8	1		1	0	6	4.4
T0256-T0258	100-500	Res	6	<8	DIP	0	5	1985	38	1	4	8	1		1	0	6	7.7
T0258-T0259	100-500	Res	6	<8	DIP	0	5	1985	38	1	4	8	1		1	0	6	7.7
T0259-CRS14	100-500	Res	6	<8	DIP	0	5	1985	38	1	4	8	1		1	0	6	7.7
T0264-T1700	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0265-T1448	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0266-T0265	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0266-T0267	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0267-SDL1296	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0270-GV01808	100-500	Res	8	<10	DIP	0	5	1997	26	2	4	8	5		1	0	6	9.38
T0270-T1461	500-1000	Res	8	<10	DIP	0	5	1997	26	2	4	5	5		1	0	6	7.28
T0271-T0273	0-100	Com	8	<10	AC	0	5	0	0	2	7	10	5		5	0	10	26.35
T0271-T1439	0-100	Com	8	<10	AC	0	5	0	0	2	7	10	5		5	0	10	26.35
T0272-FITPP014	500-1000	Res	8	<10	DIP	0	5	0	0	2	7	5	5		1	0	6	11.96
T0272-T0275	500-1000	Res	8	<10	DIP	0	5	1997	26	2	4	5	5		1	0	6	7.28
T0273-T0833	0-100	Com	8	<10	AC	0	5	0	0	2	7	10	5		5	0	10	26.35
T0274-RDCR010	500-1000	Com	6	<8	AC	0	5	1983	40	2	4	5	1		5	0	10	10.56
T0274-T0276	500-1000	Com	6	<8	AC	0	5	1983	40	2	4	5	1		5	0	10	10.56
T0274-T0277	500-1000	Res	8	<10	C900	150	5	2006	17	2	2	5	5		1	0	6	4.16

T0275-CRS07	500-1000	Res	8	<10	DIP	0	5	1997	26	2	4	5	5		1	0	6	7.28
T0276-EC95	500-1000	Res	6	<8	AC	0	5	1983	40	2	4	5	1		5	0	6	8.8
T0277-CRS07	500-1000	Res	8	<10	C900	150	5	2006	17	2	2	5	5		1	0	6	4.16
T0278-T0279	500-1000	Res	8	<10	C900	0	5	2006	17	2	2	5	5		1	0	6	4.16
T0279-BND118	500-1000	Res	8	<10	C900	0	5	2006	17	2	2	5	5		1	0	6	4.16
T0281-T0841	0-100	Com	12	≥10	DIP	0	5	1986	37	2	4	10	10		1	0	10	14
T0282-T0268	0-100	Com	8	<10	OD_ST	0	5	0	0	2	7	10	5		10	10	10	77.35
T0282-T1465	100-500	Res	8	<10	OD_ST	0	5	0	0	2	7	8	5		10	10	6	60.97
T0283-T0281	0-100	Com	12	≥10	DIP	0	5	1986	37	2	4	10	10		1	0	10	14
T0284-T0285	100-500	Res	12	≥10	DIP	0	5	1986	37	2	4	8	10		1	0	6	11.48
T0285-T0283	0-100	Res	12	≥10	DIP	350	5	1986	37	2	4	10	10		1	0	6	12.88
T0288-T0287	0-100	Res	12	≥10	DIP	0	5	1985	38	2	4	10	10		1	0	6	12.88
T0288-T1500	0-100	Res	6	<8	C900		5		0	2	7	10	1		1	0	6	14.95
T0289-T0287	0-100	Res	8	<10	C900	0	5	1994	29	2	4	10	5		1	0	6	10.78
T0289-T0291	0-100	Res	8	<10	C900	0	5	1994	29	2	4	10	5		1	0	6	10.78
T0290-124-340-01	100-500	Res	6	<8	DIP	0	5	2001	22	3	4	8	1		1	0	6	7.7
T0290-T0293	100-500	Res	8	<10	C900	0	5	2001	22	3	4	8	5		1	0	6	9.38
T0290-T0294	100-500	Res	8	<10	C900	0	5	2001	22	3	4	8	5		1	0	6	9.38
T0291-T0299	100-500	Res	6	<8	OD_ST	0	5	0	0	2	7	8	1		10	10	6	50.05
T0291-ZV3-2-7	100-500	Res	8	<10	C900	0	5	1994	29	2	4	8	5		1	0	6	9.38
T0292-T0565	100-500	Res	8	<10	AC	0	5	1983	40	2	4	8	5		5	0	6	14.74
T0293-T0297	100-500	Res	8	<10	C900	0	5	2001	22	3	4	8	5		1	0	6	9.38
T0294-T0296	100-500	Res	8	<10	C900	0	5	1994	29	3	4	8	5		1	0	6	9.38
T0295-T0292	100-500	Res	8	<10	AC	0	5	1983	40	2	4	8	5		5	0	6	14.74
T0297-T0302	100-500	Res	8	<10	C900	0	5	2001	22	3	4	8	5		1	0	6	9.38
T0298-T0288	0-100	Res	12	≥10	DIP	0	5	1985	38	2	4	10	10		1	0	6	12.88
T0298-T0295	100-500	Res	8	<10	AC	0	5	1983	40	2	4	8	5		5	0	6	14.74
T0299-RC116	100-500	Res	6	<8	OD_ST	0	5	0	0	2	7	8	1		10	10	6	50.05
T0300-RC115	100-500	Res	8	<10	C900		5	2009	14	2	2	8	5		1	0	6	5.36
T0300-ZV3-2-2	100-500	Res	8	<10	C900		5	2009	14	2	2	8	5		1	0	6	5.36
T0301-T0685	100-500	Res	8	<10	C900		5	2009	14	3	2	8	5		1	0	6	5.36
T0302-T0307	100-500	Res	8	<10	C900	0	5	2001	22	3	4	8	5		1	0	6	9.38
T0303-T0298	100-500	Res	12	≥10	DIP	0	5	1985	38	2	4	8	10		1	0	6	11.48
T0303-T0304	500-1000	Res	8	<10	DIP	0	5	1985	38	2	4	5	5		1	0	6	7.28
T0305-T0296	100-500	Res	8	<10	C900	0	5	1994	29	3	4	8	5		1	0	6	9.38
T0306-T0308	500-1000	Res	6	<8	OD_ST	0	5	0	0	2	7	5	1		10	10	6	36.4
T0307-T0305	100-500	Res	8	<10	C900	0	5	1994	29	3	4	8	5		1	0	6	9.38
T0308-T0304	500-1000	Res	8	<10	AC	0	5	1983	40	2	4	5	5		5	0	6	11.44
T0308-ZV3-2-1	500-1000	Res	8	<10	AC	0	5	1983	40	2	4	5	5		5	0	6	11.44
T0310-T0194	100-500	Res	12	≥10	AC	0	5	1969	54	5B	6	8	10		5	0	6	22.96
T0311-T0310	500-1000	Res	12	≥10	AC	0	5	1969	54	5B	6	5	10		5	0	6	18.76
T0312-EC16	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0312-T0311	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0313-T0311	500-1000	Res	12	≥10	AC	0	5	1969	54	5B	6	5	10		5	0	6	18.76
T0315-T0509	0-100	Res	24	≥10	DIP	0	5	0	0	1	7	10	10		1	0	6	21.16
T0317-T0318	100-500	Res	6	<8	OD_ST	0	5	0	0	1	7	8	1		10	10	6	50.05
T0320-T0318	0-100	Res	8	<10	OD_ST	0	5	0	0	1	7	10	5		10	10	6	70.07
T0322-T0320	0-100	Res	8	<10	OD_ST	0	5	0	0	1	7	10	5		10	10	6	70.07
T0322-T0326	0-100	Res	6	<8	C900	0	5	2022	1	1	2	10	1		1	10	6	37.7
T0323-RDCR012	100-500	Res	8	<10	OD_ST	0	5	0	0	1	7	8	5		10	10	6	60.97
T0324-FH-092	500-1000	Res	8	<10	DR-14		5	2020	3	1	2	5	5		1	0	6	4.16
T0325-RC148	500-1000	Res	8	<10	C900	0	5		0	1	7	5	5		1	0	6	11.96
T0326-T0327	100-500	Res	6	<8	C900	0	5	2022	1	1	2	8	1		1	10	6	31.9
T0328-T0132	0-100	Res	8	<10	C900	0	5	1994	29	1	4	10	5		1	0	6	10.78
T0329-RDCR058	100-500	Res	8	<10	DIP	0	5	1996	27	2	4	8	5		1	0	6	9.38
T0330-CRS08	0-100	Res	8	<10	DIP	0	5	0	0	1	7	10	5		1	0	6	17.71
T0330-T0334	0-100	Res	8	<10	DIP	0	5	1988	35	1	4	10	5		1	0	6	10.78
T0331-T0330	0-100	Res	8	<10	DIP	0	5	0	0	1	7	10	5		1	0	6	17.71
T0331-ZV2-1-1	0-100	Res	10	≥10	DIP	0	5	1988	35	1	4	10	10		1	0	6	12.88
T0334-T0138	0-100	Res	8	<10	DIP	0	5	1988	35	1	4	10	5		1	0	6	10.78
T0336-T0343	100-500	Res	10	≥10	DIP	0	5	0	0	2	7	8	10		1	0	6	18.86
T0337-T0335	100-500	Res	8	<10	C900	0	5	1996	27	2	4	8	5		1	0	6	9.38
T0337-T0336	100-500	Res	8	<10	C900	0	5	1996	27	2	4	8	5		1	0	6	9.38
T0338-T0335	100-500	Res	8	<10	C900	0	5	1996	27	2	4	8	5		1	0	6	9.38
T0339-CRS09	100-500	Res	12	≥10	DIP	0	5	1990	33	2	4	8	10		1	0	6	11.48
T0339-T0437	0-100	Res	12	≥10	DIP	0	5	1990	33	2	4	10	10		1	0	6	12.88
T0340-T0341	500-1000	Res	12	≥10	DIP	0	5	1990	33	2	4	5	10		1	0	6	9.38
T0341-T0342	500-1000	Res	12	≥10	DIP	0	5	0	0	2	7	5	10		1	0	6	15.41
T0342-T0575	500-1000	Res	12	≥10	DIP	0	5	1990	33	2	4	5	10		1	0	6	9.38
T0343-T0344	100-500	Res	10	≥10	DIP	0	5	0	0	2	7	8	10		1	0	6	18.86
T0344-T0437	100-500	Res	10	≥10	DIP	0	5	1985	38	2	4	8	10		1	0	6	11.48
T0347-T0344	100-500	Res	8	<10	DIP	0	5	1999	24	2	4	8	5		1	0	6	9.38
T0347-T0434	500-1000	Res	8	<10	DIP	0	5	1999	24	2	4	5	5		1	0	6	7.28
T0348-BND29	500-1000	Res	6	<8	AC	0	5	1969	54	8B	6	5	1		5	0	6	11.2
T0348-T0349	500-1000	Res	6	<8	AC	0	5	0	0	8B	7	5	1		5	0	6	12.4
T0348-T0633	500-1000	Res	6	<8	AC	0	5	1969	54	8B	6	5	1		5	0	6	11.2

T0349-T0199	1000	Res	6	<8	AC	0	5	0	0	8B	7	2	1		5	0	6	7.75
T0350-T0203	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T0351-T0203	500-1000	Res	6	<8	AC	0	5	1969	54	8B	6	5	1		5	0	6	11.2
T0352-RC064	0-100	Res	8	<10	DIP	0	5	1999	24	1	4	10	5		1	0	6	10.78
T0352-T0354	0-100	Res	12	≥10	DIP	0	5	1999	24	1	4	10	10		1	0	6	12.88
T0352-T0676	0-100	Res	12	≥10	DIP	0	5	1999	24	1	4	10	10		1	0	6	12.88
T0354-T0355	0-100	Res	12	≥10	DIP	0	5	1999	24	1	4	10	10		1	0	6	12.88
T0358-RDCR133	100-500	Res	6	<8	AC	0	5	0	0	1	7	8	1		5	0	6	17.05
T0360-T0358	100-500	Res	6	<8	AC	0	5	0	0	1	7	8	1		5	0	6	17.05
T0360-T0361	100-500	Res	12	≥10	DIP	0	5	1999	24	1	4	8	10		1	0	6	11.48
T0360-T1718	0-100	Res	12	≥10	DIP	0	5	1999	24	1	4	10	10		1	0	6	12.88
T0361-T0207	100-500	Res	12	≥10	DIP	0	5	1999	24	1	4	8	10		1	0	6	11.48
T0362-GV01337	0-100	Res	6	<8	AC	0	5	0	0	1	7	10	1		5	0	6	20.15
T0363-T0355	0-100	Res	8	<10	C900	0	5	1996	27	1	4	10	5		1	0	6	10.78
T0363-T0356	0-100	Res	8	<10	C900	0	5	1998	25	1	4	10	5		1	0	6	10.78
T0365-T0363	0-100	Res	6	<8	DIP	0	5	1985	38	1	4	10	1		1	0	6	9.1
T0365-T0369	0-100	Res	6	<8	DIP	0	5	1985	38	1	4	10	1		1	0	6	9.1
T0366-T0365	0-100	Res	8	<10	C900	0	5	1998	25	1	4	10	5		1	0	6	10.78
T0367-BND46	100-500	Res	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	6	9.38
T0367-T0368	0-100	Res	8	<10	C900	0	5	1998	25	1	4	10	5		1	0	6	10.78
T0368-T0370	0-100	Res	8	<10	C900	0	5	1998	25	1	4	10	5		1	0	6	10.78
T0369-CRS10	100-500	Res	6	<8	DIP	0	5	1985	38	1	4	8	1		1	0	6	7.7
T0371-T0366	0-100	Res	8	<10	C900	0	5	1998	25	1	4	10	5		1	0	6	10.78
T0371-T0370	0-100	Res	8	<10	C900	0	5	1998	25	1	4	10	5		1	0	6	10.78
T0371-T0373	0-100	Res	8	<10	C900	0	5	1998	25	1	4	10	5		1	0	6	10.78
T0375-BND50	500-1000	Res	8	<10	C900		5	2011	12	1	2	5	5		1	0	6	4.16
T0378-T0377	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0379-T0380	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0380-T0381	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0381-T0233	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0383-T0386	100-500	Res	6	<8	AC	0	5	1969	54	5C	6	8	1		5	0	6	15.4
T0384-BV-008	100-500	Res	6	<8	AC	0	5	1969	54	5C	6	8	1		5	0	6	15.4
T0384-T0386	100-500	Res	6	<8	AC	0	5	1969	54	5C	6	8	1		5	0	6	15.4
T0386-T0639	100-500	Res	6	<8	AC	0	5	1969	54	5C	6	8	1		5	0	6	15.4
T0387-T0382	500-1000	Res	16	≥10	AC	0	5	1969	54	4	6	5	10		5	0	6	18.76
T0388-T0387	500-1000	Res	16	≥10	AC	0	5	1969	54	4	6	5	10		5	0	6	18.76
T0389-T0385	100-500	Res	6	<8	AC	0	5	1969	54	5C	6	8	1		5	0	6	15.4
T0391-T0389	0-100	Res	6	<8	AC	0	5	0	0	5C	7	10	1		5	0	6	20.15
T0391-T0635	0-100	Res	6	<8	AC	0	5	0	0	5C	7	10	1		5	0	6	20.15
T0391-T0643	0-100	Res	6	<8	AC	0	5	1969	54	5C	6	10	1		5	0	6	18.2
T0392-BND33	100-500	Res	6	<8	AC	0	5	1969	54	5	6	8	1		5	0	6	15.4
T0392-T0893	100-500	Res	14	≥10	AC	0	5	1969	54	5	6	8	10		5	0	6	22.96
T0393-T0396	0-100	Res	14	≥10	AC	0	5	1969	54	5	6	10	10		5	0	6	25.76
T0395-T0393	0-100	Res	14	≥10	AC	0	5	1969	54	5	6	10	10		5	0	6	25.76
T0395-T0940	100-500	Res	14	≥10	AC	0	5	1969	54	5	6	8	10		5	0	6	22.96
T0396-T0397	0-100	Res	14	≥10	AC	0	5	1969	54	5	6	10	10		5	0	6	25.76
T0397-RDCR079	100-500	Res	6	<8	C900	0	5	2000	23	5	4	8	1		1	0	6	7.7
T0397-T0392	100-500	Res	14	≥10	AC	0	5	1969	54	5	6	8	10		5	0	6	22.96
T0398-FIT1368	100-500	Res	6	<8	AC	0	5	1969	54	5	6	8	1		5	0	6	15.4
T0398-T0399	0-100	Res	6	<8	AC	0	5	0	0	5	7	10	1		5	0	6	20.15
T0401-T0872	500-1000	Res	8	<10	AC	0	5	1983	40	2D	4	5	5		5	0	6	11.44
T0404-RC016	500-1000	Res	8	<10	AC	0	5	0	0	2D	7	5	5		5	0	6	16.12
T0404-T0401	500-1000	Res	8	<10	AC	0	5	1983	40	2D	4	5	5		5	0	6	11.44
T0404-T0405	500-1000	Res	6	<8	OD_ST	0	5	1967	56	2D	6	5	1		10	10	6	35.2
T0405-T0407	500-1000	Res	6	<8	OD_ST	0	5	1967	56	2D	6	5	1		10	10	6	35.2
T0407-T0406	500-1000	Res	6	<8	AC	0	5	1980	43	2D	6	5	1		5	0	6	11.2
T0407-T1483	500-1000	Res	6	<8	AC	0	5	0	0	2D	7	5	1		5	0	6	12.4
T0410-RC016	500-1000	Res	8	<10	C900	0	5	1997	26	2D	4	5	5		1	0	6	7.28
T0411-T0871	500-1000	Res	8	<10	DIP	0	5	2004	19	2D	2	5	5		1	0	6	4.16
T0412-T0410	500-1000	Res	8	<10	C900	0	5	1997	26	2D	4	5	5		1	0	6	7.28
T0412-T0411	500-1000	Res	8	<10	DIP	0	5	2004	19	2D	2	5	5		1	0	6	4.16
T0412-T0413	500-1000	Res	8	<10	C900	0	5	1997	26	2D	4	5	5		1	0	6	7.28
T0413-EC125	500-1000	Res	8	<10	C900	0	5	1997	26	2D	4	5	5		1	0	6	7.28
T0414-T0417	0-100	Res	8	<10	C900	0	5	1994	29	3	4	10	5		1	0	6	10.78
T0417-T0421	0-100	Res	8	<10	C900	0	5	1994	29	3	4	10	5		1	0	6	10.78
T0419-T0416	0-100	Res	8	<10	C900	0	5	2004	19	3	2	10	5		1	0	6	6.16
T0419-ZV3-2-3	0-100	Res	6	<8	DIP	0	5	2004	19	3	2	10	1		1	0	6	5.2
T0420-T0693	0-100	Res	8	<10	C900	0	5	2002	21	3	4	10	5		1	0	6	10.78
T0421-RC108	0-100	Res	8	<10	C900	0	5	0	0	3	7	10	5		1	0	6	17.71
T0423-T0421	0-100	Res	8	<10	C900	0	5	0	0	3	7	10	5		1	0	6	17.71
T0424-RC018	0-100	Res	8	<10	C900	200	5	2000	23	3	4	10	5		1	0	6	10.78
T0424-RC106	0-100	Res	8	<10	C900	0	5	2000	23	3	4	10	5		1	0	6	10.78
T0425-RC019	100-500	Res	8	<10	OD_ST	0	5	0	0	3	7	8	5		10	10	6	60.97
T0426-T0429	100-500	Res	8	<10	C900	0	5	2002	21	3	4	8	5		1	0	6	9.38
T0427-T0420	100-500	Res	8	<10	C900	0	5	2002	21	3	4	8	5		1	0	6	9.38
T0428-T0431	500-1000	Res	8	<10	C900	0	5	1998	25	3	4	5	5		1	0	6	7.28

T0428-T1128	500-1000	Res	8	<10	C900	0	5	1998	25	3	4	5	5		1	0	6	7.28
T0429-SDL1656	0-100	Res	8	<10	C900	0	5	2002	21	3	4	10	5		1	0	6	10.78
T0429-T0430	100-500	Res	8	<10	C900	0	5	2002	21	3	4	8	5		1	0	6	9.38
T0430-T0427	100-500	Res	8	<10	C900	0	5	2002	21	3	4	8	5		1	0	6	9.38
T0430-T0896	100-500	Res	8	<10	C900	0	5	2002	21	3	4	8	5		1	0	6	9.38
T0432-RC106	0-100	Res	8	<10	AC	0	5	1977	46	3	6	10	5		5	0	6	21.56
T0432-T0433	100-500	Res	8	<10	AC	150	5	1977	46	3	6	8	5		5	0	6	18.76
T0433-T0897	100-500	Res	8	<10	AC	0	5	1977	46	3	6	8	5		5	0	6	18.76
T0434-T0338	100-500	Res	8	<10	DIP	0	5	1999	24	2	4	8	5		1	0	6	9.38
T0435-RC020	100-500	Res	6	<8	AC	0	5	1969	54	3	6	8	1		5	0	6	15.4
T0435-T0436	100-500	Res	6	<8	AC	0	5	1969	54	3	6	8	1		5	0	6	15.4
T0436-ZV3-2-6	100-500	Res	8	<10	AC	0	5	1969	54	2	6	8	5		5	0	6	18.76
T0438-T0441	500-1000	Res	8	<10	AC	0	5	1983	40	2	4	5	5		5	0	6	11.44
T0439-T0437	100-500	Res	8	<10	DIP	0	5	1988	35	2	4	8	5		1	0	6	9.38
T0440-T0439	100-500	Res	8	<10	DIP	0	5	0	0	2	7	8	5		1	0	6	15.41
T0441-RC021	1000	Res	8	<10	AC	0	5	0	0	2	7	2	5		5	0	6	11.47
T0443-T0436	100-500	Res	6	<8	AC	0	5	1969	54	3	6	8	1		5	0	6	15.4
T0444-T0440	500-1000	Res	8	<10	DIP	0	5	1988	35	2	4	5	5		1	0	6	7.28
T0445-T0442	100-500	Res	10	≥10	AC	0	5	1969	54	3	6	8	10		5	0	6	22.96
T0446-T0450	100-500	Res	6	<8	AC	0	5	1969	54	3	6	8	1		5	0	6	15.4
T0447-T0152	500-1000	Res	6	<8	AC	0	5	1980	43	3	6	5	1		5	0	6	11.2
T0449-T0442	100-500	Res	6	<8	AC	0	5	1969	54	3	6	8	1		5	0	6	15.4
T0451-ZV-INACTIVE	100-500	Res	6	<8	DIP	0	5	0	0	3	7	8	1		1	0	6	12.65
T0453-T0445	100-500	Res	10	≥10	AC	0	5	1969	54	3	6	8	10		5	0	6	22.96
T0454-T0456	100-500	Res	10	≥10	AC	0	5	1969	54	3	6	8	10		5	0	6	22.96
T0455-T0449	100-500	Res	6	<8	AC	0	5	1969	54	3	6	8	1		5	0	6	15.4
T0456-T0446	100-500	Res	6	<8	AC	0	5	1969	54	3	6	8	1		5	0	6	15.4
T0456-T0459	0-100	Res	10	≥10	AC	0	5	1969	54	3	6	10	10		5	0	6	25.76
T0457-T0454	100-500	Res	10	≥10	AC	0	5	1969	54	3	6	8	10		5	0	6	22.96
T0458-T0453	0-100	Res	10	≥10	AC	0	5	1969	54	3	6	10	10		5	0	6	25.76
T0458-T0460	0-100	Res	6	<8	AC	0	5	1969	54	3	6	10	1		5	0	6	18.2
T0459-T0458	0-100	Res	10	≥10	AC	0	5	1969	54	3	6	10	10		5	0	6	25.76
T0460-T0455	0-100	Res	6	<8	AC	0	5	1969	54	3	6	10	1		5	0	6	18.2
T0461-T0457	500-1000	Res	10	≥10	AC	0	5	1969	54	3	6	5	10		5	0	6	18.76
T0461-T0464	100-500	Res	6	<8	AC	0	5	1969	54	3	6	8	1		5	0	6	15.4
T0462-T0466	1000	Res	10	≥10	AC	0	5	1969	54	3	6	2	10		5	0	6	14.56
T0463-T0461	500-1000	Res	10	≥10	AC	0	5	1969	54	3	6	5	10		5	0	6	18.76
T0465-T0463	500-1000	Res	10	≥10	AC	0	5	1969	54	3	6	5	10		5	0	6	18.76
T0466-T0465	1000	Res	10	≥10	AC	0	5	1969	54	3	6	2	10		5	0	6	14.56
T0467-T0470	100-500	Res	6	<8	AC	0	5	1969	54	4B	6	8	1		5	0	6	15.4
T0468-T0467	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0468-T0471	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0469-T0471	1000	Res	6	<8	AC	0	5	1969	54	4B	6	2	1		5	0	6	7
T0470-EC100	100-500	Res	6	<8	AC	0	5	1969	54	4B	6	8	1		5	0	6	15.4
T0473-T0467	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0473-T0474	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0474-T0476	500-1000	Res	6	<8	AC	0	5	1969	54	4B	6	5	1		5	0	6	11.2
T0475-T0180	1000	Res	6	<8	AC	0	5	1969	54	4B	6	2	1		5	0	6	7
T0475-T0476	1000	Res	6	<8	AC	0	5	1969	54	4B	6	2	1		5	0	6	7
T0478-T0479	100-500	Res	6	<8	AC	0	5	1969	54	5B	6	8	1		5	0	6	15.4
T0478-T0482	100-500	Res	6	<8	AC	0	5	0	0	5B	7	8	1		5	0	6	17.05
T0479-T0480	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0480-T0190	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0481-EC64	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0482-T0486	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0483-T0484	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0484-T0488	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0484-T0608	1000	Res	6	<8	AC	0	5	0	0	7B	7	2	1		5	0	6	7.75
T0485-T0193	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0485-T0481	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0486-T0485	500-1000	Res	6	<8	AC	0	5	0	0	5B	7	5	1		5	0	6	12.4
T0486-T0487	500-1000	Res	12	≥10	AC	0	5	1969	54	5B	6	5	10		5	0	6	18.76
T0487-T0313	500-1000	Res	12	≥10	AC	0	5	1969	54	5B	6	5	10		5	0	6	18.76
T0488-T0489	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0489-T0490	1000	Res	6	<8	AC	0	5	0	0	7B	7	2	1		5	0	6	7.75
T0489-T0612	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0491-T0494	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T0491-T0495	1000	Res	4	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T0492-T0600	1000	Res	8	<10	AC	0	5	1969	54	8B	6	2	5		5	0	6	10.36
T0492-T0614	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T0493-T0486	0-100	Res	14	≥10	AC	0	5	1969	54	5B	6	10	10		5	0	6	25.76
T0494-T0617	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T0495-T1397	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T0496-T0617	1000	Res	8	<10	AC	0	5	1969	54	8B	6	2	5		5	0	6	10.36
T0498-T0497	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T0499-T0196	1000	Res	6	<8	AC	0	5	0	0	8B	7	2	1		5	0	6	7.75

T0499-T0498	1000	Res	6	<8	AC	0	5	0	0	8B	7	2	1		5	0	6	7.75
T0500-GV01123	100-500	Res	12	≥10	DIP	0	5	1999	24	1	4	8	10		1	0	6	11.48
T0503-T0504	100-500	Com	8	<10	AC	0	5	1978	45	1	6	8	5		5	0	10	21
T0504-T0508	0-100	Res	8	<10	AC	0	5	1978	45	1	6	10	5		5	0	6	21.56
T0505-T0507	0-100	Res	24	≥10	DIP	0	5	0	0	1	7	10	10		1	0	6	21.16
T0506-BND14	100-500	Res	8	<10	DIP	0	5	1999	24	1	4	8	5		1	0	6	9.38
T0508-RC023	0-100	Res	8	<10	AC	0	5	0	0	1	7	10	5		5	0	6	23.87
T0510-T0505	0-100	Res	24	≥10	DIP	0	5	0	0	1	7	10	10		1	0	6	21.16
T0510-WS-ARV-007	100-500	Res	24	≥10	DIP	0	5	0	0	1	7	8	10		1	0	6	18.86
T0511-RC092	100-500	Res	8	<10	AC	0	5	1978	45	1	6	8	5		5	0	6	18.76
T0511-T0519	100-500	Res	8	<10	AC	0	5	1978	45	1	6	8	5		5	0	6	18.76
T0513-BLF001	0-100	Res	14	≥10	DIP	0	5	1994	29	1	4	10	10		1	0	6	12.88
T0513-ZV2-2-4	0-100	Res	12	≥10	DIP	0	5	1994	29	1	4	10	10		1	0	6	12.88
T0514-ZV2-2-3	0-100	Res	14	≥10	DIP	0	5	1994	29	1	4	10	10		1	0	6	12.88
T0515-T0508	0-100	Res	8	<10	AC	0	5	1978	45	1	6	10	5		5	0	6	21.56
T0517-T0515	100-500	Res	8	<10	AC	0	5	1978	45	1	6	8	5		5	0	6	18.76
T0517-T0521	100-500	Res	8	<10	AC	0	5	1978	45	1	6	8	5		5	0	6	18.76
T0520-T0501	100-500	Res	6	<8	AC	0	5	1983	40	1	4	8	1		5	0	6	12.1
T0520-T0519	500-1000	Res	8	<10	AC	0	5	1978	45	1	6	5	5		5	0	6	14.56
T0521-T0520	500-1000	Res	8	<10	AC	0	5	1978	45	1	6	5	5		5	0	6	14.56
T0523-RDCR008	100-500	Res	6	<8	DIP	0	5	1985	38	1	4	8	1		1	0	6	7.7
T0524-T0519	500-1000	Res	8	<10	C900	0	5	1992	31	1	4	5	5		1	0	6	7.28
T0524-T1436	500-1000	Res	6	<8	C900	0	5	1992	31	1	4	5	1		1	0	6	5.6
T0525-T0515	100-500	Res	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	6	9.38
T0527-T0529	500-1000	Res	8	<10	DIP	0	5	1998	25	1	4	5	5		1	0	6	7.28
T0528-T0524	500-1000	Res	8	<10	C900	0	5	1992	31	1	4	5	5		1	0	6	7.28
T0530-T0528	500-1000	Res	8	<10	C900	0	5	1992	31	1	4	5	5		1	0	6	7.28
T0530-T0529	500-1000	Res	8	<10	DIP	150	5	1998	25	1	4	5	5		1	0	6	7.28
T0530-T0536	500-1000	Res	8	<10	C900	0	5	1992	31	1	4	5	5		1	0	6	7.28
T0531-RDCR111	100-500	Res	8	<10	OD_ST	0	5	0	0	1	7	8	5		10	10	6	60.97
T0531-T0532	100-500	Res	8	<10	C900	0	5	1996	27	1	4	8	5		1	0	6	9.38
T0531-T1435	100-500	Res	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	6	9.38
T0532-T0533	100-500	Res	8	<10	C900	0	5	1996	27	1	4	8	5		1	0	6	9.38
T0533-T0536	500-1000	Res	8	<10	C900	0	5	1996	27	1	4	5	5		1	0	6	7.28
T0535-T0514	100-500	Res	14	≥10	OD_ST	0	5	0	0	1	7	8	10		10	10	6	74.62
T0536-T0537	500-1000	Res	8	<10	C900	0	5	0	0	1	7	5	5		1	0	6	11.96
T0537-T0325	500-1000	Res	8	<10	C900	0	5	0	0	1	7	5	5		1	0	6	11.96
T0537-T0327	500-1000	Res	6	<8	C900	0	5	2022	1	1	2	5	1		1	10	6	23.2
T0538-T0540	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T0539-SDL1296	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T0539-T0540	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T0541-T0534	500-1000	Res	24	≥10	DIP	0	5	0	0	2	7	5	10		1	0	6	15.41
T0542-T0540	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T0542-ZV2-1-2	500-1000	Res	8	<10	DIP	0	5	1988	35	1	4	5	5		1	0	6	7.28
T0544-T0542	500-1000	Res	10	≥10	AC	0	5	1978	45	1	6	5	10		5	0	6	18.76
T0545-T0548	100-500	Res	24	≥10	DIP	0	5	0	0	2	7	8	10		1	0	6	18.86
T0547-PRV-1-3	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T0547-T1447	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T0548-T0558	0-100	Res	20	≥10	DIP	0	5	0	0	2	7	10	10		1	0	6	21.16
T0550-T0548	100-500	Res	12	≥10	DIP	0	5	0	0	2	7	8	10		1	0	6	18.86
T0550-T0549	100-500	Res	12	≥10	DIP	0	5	0	0	2	7	8	10		1	0	6	18.86
T0553-T1466	500-1000	Res	8	<10	AC	0	5	1983	40	2	4	5	5		5	0	6	11.44
T0554-T0553	500-1000	Res	8	<10	AC	0	5	1983	40	2	4	5	5		5	0	6	11.44
T0556-RC103	500-1000	Res	8	<10	DIP	0	5	1988	35	2	4	5	5		1	0	6	7.28
T0556-T0555	500-1000	Res	8	<10	DIP	0	5	1988	35	2	4	5	5		1	0	6	7.28
T0558-T0566	0-100	Res	20	≥10	DIP	0	5	0	0	2	7	10	10		1	0	6	21.16
T0559-T0276	500-1000	Res	6	<8	AC	0	5	1983	40	2	4	5	1		5	0	6	8.8
T0561-T0560	500-1000	Res	8	<10	AC	0	5	1983	40	2	4	5	5		5	0	6	11.44
T0561-T0564	500-1000	Res	8	<10	AC	0	5	1983	40	2	4	5	5		5	0	6	11.44
T0562-T0560	500-1000	Res	8	<10	AC	0	5	1977	46	2	6	5	5		5	0	6	14.56
T0563-RC107	500-1000	Res	8	<10	AC	0	5	1987	36	2	4	5	5		5	0	6	11.44
T0563-T0562	500-1000	Res	8	<10	AC	0	5	1977	46	2	6	5	5		5	0	6	14.56
T0564-T0565	100-500	Res	8	<10	AC	0	5	1983	40	2	4	8	5		5	0	6	14.74
T0564-T0570	100-500	Res	6	<8	AC	0	5	1977	46	2	6	8	1		5	0	6	15.4
T0566-T0569	100-500	Res	12	≥10	DIP	0	5	0	0	2	7	8	10		1	0	6	18.86
T0568-T0567	500-1000	Res	8	<10	C900	0	5	1978	45	2	6	5	5		1	0	6	10.4
T0569-T0567	500-1000	Res	8	<10	C900	0	5	1978	45	2	6	5	5		1	0	6	10.4
T0569-T1712	500-1000	Res	12	≥10	DIP	0	5	0	0	2	7	5	10		1	0	6	15.41
T0570-T0571	100-500	Res	6	<8	AC	0	5	1977	46	2	6	8	1		5	0	6	15.4
T0571-RC105	100-500	Res	6	<8	AC	0	5	1977	46	2	6	8	1		5	0	6	15.4
T0573-ZV2-2-2	500-1000	Res	12	≥10	DIP	0	5	1990	33	2	4	5	10		1	0	6	9.38
T0574-HT002	500-1000	Res	12	≥10	DIP	0	5	1998	25	2	4	5	10		1	0	6	9.38
T0575-BND15	500-1000	Res	12	≥10	DIP	0	5	1990	33	2	4	5	10		1	0	6	9.38
T0576-T0577	500-1000	Res	18	≥10	AC	0	5	0	0	3	7	5	10		5	0	6	20.77
T0579-T0232	100-500	Res	14	≥10	CCP	0	5	1969	54	5B	6	8	10		5	0	6	22.96
T0580-R5-1	500-1000	Res	14	≥10	CCP	0	5	1969	54	5B	6	5	10		5	0	6	18.76

T0580-T0578	500-1000	Res	14	≥10	CCP	0	5	1969	54	5B	6	5	10		5	0	6	18.76
T0580-T0581	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0582-T0579	500-1000	Res	14	≥10	CCP	0	5	1969	54	5B	6	5	10		5	0	6	18.76
T0583-T0582	500-1000	Res	14	≥10	CCP	0	5	1969	54	5B	6	5	10		5	0	6	18.76
T0583-T0585	500-1000	Res	14	≥10	CCP	0	5	1969	54	5B	6	5	10		5	0	6	18.76
T0583-T0592	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0584-T0581	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0584-T0587	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0586-T0585	500-1000	Res	14	≥10	CCP	0	5	1969	54	5B	6	5	10		5	0	6	18.76
T0587-T0588	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0589-T0588	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0590-T0493	0-100	Res	14	≥10	AC	0	5	0	0	5B	7	10	10		5	0	6	28.52
T0591-T0589	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0594-T0593	1000	Res	8	<10	AC	0	5	1969	54	8B	6	2	5		5	0	6	10.36
T0595-T0594	1000	Res	8	<10	AC	0	5	0	0	5B	7	2	5		5	0	6	11.47
T0595-T0594	1000	Res	8	<10	AC	0	5	1969	54	8B	6	2	5		5	0	6	10.36
T0597-T0588	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0598-BND122	1000	Res	6	<8	AC	0	5	1969	54	6B	6	2	1		5	0	6	7
T0600-T0595	1000	Res	8	<10	AC	0	5	1969	54	8B	6	2	5		5	0	6	10.36
T0601-T0598	1000	Res	6	<8	AC	0	5	0	0	6B	7	2	1		5	0	6	7.75
T0601-T0602	1000	Res	6	<8	AC	0	5	0	0	6B	7	2	1		5	0	6	7.75
T0602-T0599	1000	Res	6	<8	AC	0	5	1969	54	6B	6	2	1		5	0	6	7
T0603-BV-003	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0603-T0606	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0604-T0483	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0604-T0603	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0605-T0602	500-1000	Res	6	<8	AC	0	5	1969	54	6B	6	5	1		5	0	6	11.2
T0607-T0606	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0608-T0609	1000	Res	6	<8	AC	0	5	0	0	7B	7	2	1		5	0	6	7.75
T0609-T0611	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0610-T0607	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0610-T0609	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0611-EC68	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0612-EC65	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0613-T0610	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0613-T0615	1000	Res	6	<8	AC	0	5	0	0	7B	7	2	1		5	0	6	7.75
T0614-T0490	1000	Res	6	<8	AC	0	5	0	0	7B	7	2	1		5	0	6	7.75
T0614-T0616	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0615-T0616	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0616-T0618	1000	Res	6	<8	AC	0	5	0	0	7B	7	2	1		5	0	6	7.75
T0617-T0492	1000	Res	8	<10	AC	0	5	1969	54	8B	6	2	5		5	0	6	10.36
T0619-T0618	1000	Res	6	<8	AC	0	5	0	0	7B	7	2	1		5	0	6	7.75
T0619-T0628	1000	Res	6	<8	AC	0	5	1969	54	7B	6	2	1		5	0	6	7
T0622-T0621	500-1000	Res	6	<8	AC	0	5	1969	54	6C	6	5	1		5	0	6	11.2
T0623-T0625	500-1000	Res	6	<8	OD_ST	0	5	1969	54	6C	6	5	1		10	10	6	35.2
T0624-T0627	500-1000	Res	8	<10	AC	0	5	1969	54	6C	6	5	5		5	0	6	14.56
T0625-T0620	500-1000	Res	6	<8	AC	0	5	1969	54	6C	6	5	1		5	0	6	11.2
T0626-CRS12	1000	Res	6	<8	AC	0	5	0	0	8B	7	2	1		5	0	6	7.75
T0627-T0623	500-1000	Res	6	<8	AC	0	5	1969	54	6C	6	5	1		5	0	6	11.2
T0629-T0626	1000	Res	6	<8	AC	0	5	0	0	8B	7	2	1		5	0	6	7.75
T0629-T0628	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T0629-T0631	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T0630-T0625	500-1000	Res	6	<8	AC	0	5	1969	54	6C	6	5	1		5	0	6	11.2
T0631-T0633	1000	Res	6	<8	AC	0	5	0	0	8B	7	2	1		5	0	6	7.75
T0632-T0631	1000	Res	6	<8	AC	0	5	0	0	8B	7	2	1		5	0	6	7.75
T0634-T0630	500-1000	Res	6	<8	AC	0	5	1969	54	6C	6	5	1		5	0	6	11.2
T0635-T0636	100-500	Res	6	<8	AC	0	5	0	0	5C	7	8	1		5	0	6	17.05
T0636-T0642	100-500	Res	6	<8	AC	0	5	0	0	5C	7	8	1		5	0	6	17.05
T0637-T0388	500-1000	Res	16	≥10	AC	0	5	1969	54	4	6	5	10		5	0	6	18.76
T0637-T0641	500-1000	Res	16	≥10	AC	0	5	0	0	4	7	5	10		5	0	6	20.77
T0639-T0646	100-500	Res	6	<8	AC	0	5	0	0	5C	7	8	1		5	0	6	17.05
T0644-T0390	100-500	Res	6	<8	AC	0	5	1969	54	5C	6	8	1		5	0	6	15.4
T0645-CRS31	100-500	Res	6	<8	AC	0	5	1969	54	5C	6	8	1		5	0	6	15.4
T0645-T0644	100-500	Res	6	<8	AC	0	5	1969	54	5C	6	8	1		5	0	6	15.4
T0646-T0643	0-100	Res	6	<8	AC	0	5	1969	54	5C	6	10	1		5	0	6	18.2
T0647-T0648	100-500	Res	8	<10	AC	0	5	1969	54	5C	6	8	5		5	0	6	18.76
T0647-ZV6C-5C-1	100-500	Res	8	<10	AC	0	5	1969	54	5C	6	8	5		5	0	6	18.76
T0648-T1588	100-500	Res	8	<10	AC	0	5	1969	54	5C	6	8	5		5	0	6	18.76
T0649-T0652	500-1000	Res	8	<10	C900	0	5	2000	23	4	4	5	5		1	0	6	7.28
T0651-T0641	500-1000	Res	16	≥10	AC	0	5	0	0	4	7	5	10		5	0	6	20.77
T0651-T0876	1000	Res	16	≥10	AC	0	5	1969	54	4	6	2	10		5	0	6	14.56
T0652-T0651	1000	Res	8	<10	C900	0	5	2000	23	4	4	2	5		1	0	6	5.18
T0654-T0644	100-500	Res	6	<8	AC	0	5	1969	54	5C	6	8	1		5	0	6	15.4
T0655-T0653	100-500	Res	6	<8	AC	0	5	1969	54	5C	6	8	1		5	0	6	15.4
T0656-T0627	500-1000	Res	8	<10	AC	0	5	1969	54	6C	6	5	5		5	0	6	14.56
T0656-T0659	500-1000	Res	8	<10	AC	0	5	1969	54	6C	6	5	5		5	0	6	14.56

T0657-T0655	0-100	Res	8	<10	AC	0	5	1969	54	5C	6	10	5		5	0	6	21.56
T0658-T0657	100-500	Res	8	<10	AC	0	5	1969	54	5C	6	8	5		5	0	6	18.76
T0659-T0634	500-1000	Res	6	<8	AC	0	5	1969	54	6C	6	5	1		5	0	6	11.2
T0660-T0659	1000	Res	8	<10	AC	0	5	1969	54	6C	6	2	5		5	0	6	10.36
T0660-T0661	1000	Res	6	<8	AC	0	5	1969	54	6C	6	2	1		5	0	6	7
T0661-EC70	1000	Res	6	<8	AC	0	5	1969	54	6C	6	2	1		5	0	6	7
T0662-T0664	0-100	Com	12	≥10	DIP	350	5	1994	29	1	4	10	10		1	0	10	14
T0662-T0996	0-100	Com	12	≥10	DIP	0	5	1994	29	1	4	10	10		1	0	10	14
T0663-T0665	0-100	Com	6	<8	AC	0	5	0	0	1	7	10	1		5	0	10	22.63
T0666-T0664	0-100	Com	12	≥10	DIP	0	5	1994	29	1	4	10	10		1	0	10	14
T0667-T0666	0-100	Com	12	≥10	DIP	0	5	1994	29	1	4	10	10		1	0	10	14
T0668-T0664	0-100	Com	6	<8	DIP	0	5	1996	27	1	4	10	1		1	0	10	10.22
T0670-T0667	0-100	Com	12	≥10	DIP	0	5	1994	29	1	4	10	10		1	0	10	14
T0672-T0670	100-500	Com	8	<10	C900	0	5	1994	29	1	4	8	5		1	0	10	10.5
T0673-T0672	100-500	Com	8	<10	C900	0	5	1994	29	1	4	8	5		1	0	10	10.5
T0673-T0674	100-500	Com	8	<10	C900	0	5	1994	29	1	4	8	5		1	0	10	10.5
T0674-T0680	500-1000	Res	8	<10	C900	150	5	1994	29	1	4	5	5		1	0	6	7.28
T0676-T1389	0-100	Res	12	≥10	DIP	0	5	1999	24	1	4	10	10		1	0	6	12.88
T0679-RC109	0-100	Res	6	<8	C900	200	5	2008	15	1	2	10	1		1	0	6	5.2
T0679-RDCR119	0-100	Res	8	<10	C900	200	5	2008	15	1	2	10	5		1	0	6	6.16
T0680-T0684	500-1000	Res	8	<10	C900	150	5	1994	29	1	4	5	5		1	0	6	7.28
T0682-RC110	0-100	Res	6	<8	C900	200	5	2008	15	1	2	10	1		1	0	6	5.2
T0682-T0679	0-100	Res	8	<10	C900	200	5	2008	15	1	2	10	5		1	0	6	6.16
T0683-T0682	0-100	Res	8	<10	C900	200	5	2008	15	1	2	10	5		1	0	6	6.16
T0684-T0757	0-100	Res	8	<10	C900	0	5	1994	29	1	4	10	5		1	0	6	10.78
T0685-RDCR118	500-1000	Res	8	<10	C900	200	5	2009	14	3	2	5	5		1	0	6	4.16
T0686-T0414	0-100	Res	8	<10	C900	0	5	1994	29	3	4	10	5		1	0	6	10.78
T0687-T0686	0-100	Res	8	<10	C900	0	5	1994	29	3	4	10	5		1	0	6	10.78
T0688-T0690	500-1000	Res	8	<10	AC	0	5	1983	40	3	4	5	5		5	0	6	11.44
T0689-CRS16	0-100	Res	8	<10	C900	0	5	1994	29	3	4	10	5		1	0	6	10.78
T0689-T0692	100-500	Res	8	<10	C900	0	5	1994	29	3	4	8	5		1	0	6	9.38
T0690-T0691	500-1000	Res	8	<10	AC	0	5	1983	40	3	4	5	5		5	0	6	11.44
T0691-T0692	500-1000	Res	8	<10	AC	0	5	1983	40	3	4	5	5		5	0	6	11.44
T0692-RC027	500-1000	Res	8	<10	C900	0	5	1994	29	3	4	5	5		1	0	6	7.28
T0693-T0695	0-100	Res	8	<10	C900	0	5	2002	21	3	4	10	5		1	0	6	10.78
T0694-T1468	0-100	Res	8	<10	C900	0	5	2002	21	3	4	10	5		1	0	6	10.78
T0695-T0426	0-100	Res	8	<10	C900	0	5	2002	21	3	4	10	5		1	0	6	10.78
T0696-T0694	0-100	Res	8	<10	C900	0	5	2002	21	3	4	10	5		1	0	6	10.78
T0697-T0228	100-500	Res	18	≥10	CCP	0	5	1969	54	3	6	8	10		5	0	6	22.96
T0697-T0699	100-500	Res	18	≥10	CCP	0	5	1969	54	3	6	8	10		5	0	6	22.96
T0698-RC028	100-500	Res	8	<10	C900	0	5	1996	27	3	4	8	5		1	0	6	9.38
T0699-T0691	500-1000	Res	8	<10	AC	0	5	1969	54	3	6	5	5		5	0	6	14.56
T0699-T0700	500-1000	Res	18	≥10	CCP	0	5	1969	54	3	6	5	10		5	0	6	18.76
T0700-T0705	500-1000	Res	18	≥10	AC	0	5	1969	54	3	6	5	10		5	0	6	18.76
T0702-T0704	500-1000	Res	16	≥10	CCP	0	5	1969	54	4	6	5	10		5	0	6	18.76
T0704-T0721	100-500	Res	16	≥10	CCP	0	5	1969	54	4	6	8	10		5	0	6	22.96
T0705-R3-1	500-1000	Res	18	≥10	AC	0	5	1969	54	3	6	5	10		5	0	6	18.76
T0706-T0705	500-1000	Res	18	≥10	AC	0	5	0	0	4	7	5	10		5	0	6	20.77
T0707-T0706	500-1000	Res	14	≥10	AC	0	5	0	0	4	7	5	10		5	0	6	20.77
T0707-T1577	500-1000	Res	14	≥10	AC	0	5	0	0	5B	7	5	10		5	0	6	20.77
T0708-RC028	100-500	Res	8	<10	C900	0	5	2002	21	3	4	8	5		1	0	6	9.38
T0709-T1469	0-100	Res	8	<10	C900	0	5	2002	21	3	4	10	5		1	0	6	10.78
T0710-T1576	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T0718-T0720	100-500	Res	6	<8	C900	0	5	2002	21	3	4	8	1		1	0	6	7.7
T0720-T0910	0-100	Res	6	<8	AC	0	5	1969	54	3	6	10	1		5	0	6	18.2
T0724-T0718	100-500	Res	8	<10	C900	0	5	2002	21	3	4	8	5		1	0	6	9.38
T0724-T0722	100-500	Res	6	<8	C900	0	5	2002	21	3	4	8	1		1	0	6	7.7
T0724-T0726	100-500	Res	8	<10	C900	0	5	2002	21	3	4	8	5		1	0	6	9.38
T0725-T0726	100-500	Res	6	<8	C900	150	5	2000	23	3	4	8	1		1	0	6	7.7
T0726-RDCR021	100-500	Res	8	<10	C900	0	5	2002	21	3	4	8	5		1	0	6	9.38
T0727-T0733	0-100	Res	6	<8	AC	0	5	1969	54	4	6	10	1		5	0	6	18.2
T0728-T0721	100-500	Res	16	≥10	CCP	0	5	1969	54	4	6	8	10		5	0	6	22.96
T0728-ZV5B-4-1	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T0730-T0729	100-500	Res	6	<8	AC	0	5	1973	50	3	6	8	1		5	0	6	15.4
T0732-T0728	0-100	Res	16	≥10	CCP	0	5	1969	54	4	6	10	10		5	0	6	25.76
T0732-T0733	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T0734-T0737	100-500	Res	16	≥10	AC	0	5	0	0	4	7	8	10		5	0	6	25.42
T0737-T0732	100-500	Res	16	≥10	AC	0	5	1969	54	4	6	8	10		5	0	6	22.96
T0738-T0382	500-1000	Res	16	≥10	AC	0	5	1969	54	4	6	5	10		5	0	6	18.76
T0738-T0734	100-500	Res	16	≥10	AC	0	5	0	0	4	7	8	10		5	0	6	25.42
T0738-T0739	500-1000	Res	10	≥10	AC	0	5	1969	54	4	6	5	10		5	0	6	18.76
T0739-RDCR077	100-500	Res	10	≥10	AC	0	5	1969	54	5C	6	8	10		5	0	6	22.96
T0740-T0741	500-1000	Res	10	≥10	AC	0	5	0	0	4	7	5	10		5	0	6	20.77
T0742-EC76	0-100	Res	6	<8	AC	0	5	1969	54	4	6	10	1		5	0	6	18.2
T0745-RC111	100-500	Res	6	<8	C900	200	5	2008	15	1	2	8	1		1	0	6	4.4

T0745-T0683	0-100	Res	8	<10	C900	200	5	2008	15	1	2	10	5		1	0	6	6.16
T0746-RC114	100-500	Res	6	<8	C900	200	5	2008	15	1	2	8	1		1	0	6	4.4
T0746-T0745	100-500	Res	8	<10	C900	200	5	2008	15	1	2	8	5		1	0	6	5.36
T0747-RC112	100-500	Res	6	<8	DIP	350	5	2008	15	1	2	8	1		1	0	6	4.4
T0747-T0746	100-500	Res	8	<10	C900	200	5	2008	15	1	2	8	5		1	0	6	5.36
T0748-T0755	0-100	Com	10	≥10	AC	0	5	0	0	1	7	10	10		5	0	10	31
T0749-BND16	500-1000	Res	6	<8	C900	200	5	2008	15	1	2	5	1		1	0	6	3.2
T0749-T0747	100-500	Res	8	<10	C900	200	5	2008	15	1	2	8	5		1	0	6	5.36
T0750-T0749	100-500	Res	8	<10	C900	200	5	2008	15	1	2	8	5		1	0	6	5.36
T0752-RC113	100-500	Res	6	<8	C900	200	5	2008	15	1	2	8	1		1	0	6	4.4
T0752-T0750	100-500	Res	8	<10	C900	200	5	2008	15	1	2	8	5		1	0	6	5.36
T0755-T0765	100-500	Com	10	≥10	AC	0	5	0	0	1	7	8	10		5	0	10	27.9
T0757-T0752	0-100	Res	8	<10	C900	200	5	2008	15	1	2	10	5		1	0	6	6.16
T0764-FIT1544	100-500	Res	6	<8	OD_ST	0	5	0	0	1	7	8	1		10	10	6	50.05
T0764-RC136	100-500	Com	6	<8	OD_ST	0	5	0	0	1	7	8	1		10	10	10	57.33
T0765-T0766	100-500	Com	10	≥10	AC	0	5	0	0	1	7	8	10		5	0	10	27.9
T0766-T0774	100-500	Com	10	≥10	AC	0	5	0	0	1	7	8	10		5	0	10	27.9
T0766-T1638	100-500	Com	8	<10	AC	0	5	0	0	1	7	8	5		5	0	10	23.25
T0768-CRS35	100-500	Com	8	<10	DR-14		5	2013	10	1	2	8	5		1	0	10	6
T0770-T1596	0-100	Res	8	<10	DR-14		5	2013	10	1	2	10	5		1	0	6	6.16
T0771-T0773	0-100	Com	10	≥10	AC	0	5	0	0	1	7	10	10		5	0	10	31
T0771-T0775	0-100	Com	10	≥10	AC	0	5	0	0	1	7	10	10		5	0	10	31
T0773-T0770	0-100	Com	8	<10	DR-14		5	2013	10	1	2	10	5		1	0	10	6.8
T0774-T0778	100-500	Com	10	≥10	AC	0	5	0	0	1	7	8	10		5	0	10	27.9
T0775-T0776	0-100	Com	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	10	28
T0776-T0377	0-100	Com	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	10	28
T0779-T0770	0-100	Com	12	≥10	C900	0	5	1992	31	1	4	10	10		1	0	10	14
T0779-T0781	100-500	Com	12	≥10	C900	0	5	1992	31	1	4	8	10		1	0	10	12.6
T0781-T0782	100-500	Com	12	≥10	C900	0	5	1992	31	1	4	8	10		1	0	10	12.6
T0782-T0784	100-500	Com	12	≥10	C900	0	5	1992	31	1	4	8	10		1	0	10	12.6
T0783-T0778	100-500	Com	10	≥10	AC	0	5	0	0	1	7	8	10		5	0	10	27.9
T0784-T0789	100-500	Com	12	≥10	C900	0	5	1992	31	1	4	8	10		1	0	10	12.6
T0785-T0779	100-500	Com	6	<8	OD_ST	0	5	0	0	1	7	8	1		10	10	10	57.33
T0788-T0785	100-500	Com	6	<8	OD_ST	0	5	0	0	1	7	8	1		10	10	10	57.33
T0789-T0783	100-500	Com	10	≥10	AC	0	5	0	0	1	7	8	10		5	0	10	27.9
T0789-T0795	100-500	Com	8	<10	OD_ST	0	5	0	0	1	7	8	5		10	10	10	68.25
T0791-T0795	100-500	Com	10	≥10	OD_ST		5		0	1	7	8	10		10	10	10	81.9
T0792-RC146	0-100	Com	6	<8	OD_ST	0	5	0	0	1	7	10	1		10	10	10	66.43
T0796-RC124	0-100	Com	8	<10	DR-14 BURST	0	5	2015	8	1	2	10	5		1	0	10	6.8
T0797-CRS17	0-100	Com	6	<8	OD_ST	0	5	0	0	1	7	10	1		10	10	10	66.43
T0797-T0796	0-100	Com	8	<10	DR-14 BURST	0	5	2015	8	1	2	10	5		1	0	10	6.8
T0797-T0799	0-100	Com	8	<10	DR-14 BURST	0	5	2015	8	1	2	10	5		1	0	10	6.8
T0798-HT009	100-500	Com	10	≥10	OD_ST	0	5	0	0	1	7	8	10		10	10	10	81.9
T0798-T0802	0-100	Com	6	<8	OD_ST	0	5	0	0	1	7	10	1		10	10	10	66.43
T0800-T1594	0-100	Com	10	≥10	DIP	350	5	2003	20	1	2	10	10		1	0	10	8
T0802-EC87	0-100	Com	6	<8	OD_ST	0	5	0	0	1	7	10	1		10	10	10	66.43
T0803-T0799	100-500	Com	8	<10	DR-14 BURST	0	5	2015	8	1	2	8	5		1	0	10	6
T0803-T1605	100-500	Com	8	<10	DR-14 BURST	0	5	2015	8	1	2	8	5		1	0	10	6
T0805-GV9018	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0806-T0805	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T0806-T0807	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0807-GV01876	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0809-T0811	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0810-EC93	0-100	Com	8	<10	DIP	0	5	2003	20	1	2	10	5		1	0	10	6.8
T0812-T0811	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T0812-T1449	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T0816-T0815	100-500	Res	6	<8	AC	0	5	0	0	2D	7	8	1		5	0	6	17.05
T0818-T0816	100-500	Res	6	<8	AC	0	5	0	0	2D	7	8	1		5	0	6	17.05
T0825-T0830	100-500	Com	10	≥10	DIP	350	5	1990	33	2D	4	8	10		1	0	10	12.6
T0827-T0825	100-500	Com	8	<10	AC	0	5	0	0	2	7	8	5		5	0	10	23.25
T0830-T0824	100-500	Com	8	<10	AC	0	5	0	0	2D	7	8	5		5	0	10	23.25
T0830-T0831	100-500	Com	10	≥10	DIP	350	5	1990	33	2D	4	8	10		1	0	10	12.6
T0831-CRS20	100-500	Com	10	≥10	DIP	350	5	1990	33	2D	4	8	10		1	0	10	12.6
T0833-T0841	0-100	Com	8	<10	AC	0	5	0	0	2	7	10	5		5	0	10	26.35
T0834-T0818	100-500	Res	6	<8	AC	0	5	0	0	2D	7	8	1		5	0	6	17.05
T0834-T0836	100-500	Res	12	≥10	AC	0	5	1983	40	2D	4	8	10		5	0	6	18.04
T0834-T0846	100-500	Res	12	≥10	DIP	350	5	1986	37	2D	4	8	10		1	0	6	11.48
T0834-T0848	100-500	Res	6	<8	AC	0	5	0	0	2D	7	8	1		5	0	6	17.05
T0837-T0842	500-1000	Com	12	≥10	DIP	0	5	1986	37	2D	4	5	10		1	0	10	10.5
T0840-SDL1762	0-100	Com	12	≥10	DIP	0	5	1986	37	2D	4	10	10		1	0	10	14
T0841-T0840	0-100	Com	12	≥10	DIP	350	5	1986	37	2	4	10	10		1	0	10	14
T0843-T0842	100-500	Com	12	≥10	DIP	0	5	1986	37	2D	4	8	10		1	0	10	12.6
T0843-T0844	100-500	Com	12	≥10	DIP	350	5	1986	37	2D	4	8	10		1	0	10	12.6
T0844-T0821	100-500	Com	12	≥10	AC	0	5	0	0	2D	7	8	10		5	0	10	27.9
T0844-T0847	100-500	Com	12	≥10	DIP	350	5	1986	37	2D	4	8	10		1	0	10	12.6
T0846-T0848	100-500	Res	12	≥10	DIP	0	5	1986	37	2D	4	8	10		1	0	6	11.48

T0849-T0848	100-500	Res	12	≥10	DIP	350	5	1986	37	2D	4	8	10		1	0	6	11.48
T0852-T0847	100-500	Res	12	≥10	DIP	350	5	1986	37	2D	4	8	10		1	0	6	11.48
T0852-T0853	100-500	Res	12	≥10	DIP	0	5	1986	37	2D	4	8	10		1	0	6	11.48
T0853-T0854	0-100	Res	12	≥10	DIP	0	5	1986	37	2D	4	10	10		1	0	6	12.88
T0854-T0849	100-500	Res	12	≥10	DIP	350	5	1986	37	2D	4	8	10		1	0	6	11.48
T0855-T1476	100-500	Res	8	<10	AC	0	5	1983	40	2D	4	8	5		5	0	6	14.74
T0855-T1646	100-500	Res	12	≥10	AC	0	5	1983	40	2D	4	8	10		5	0	6	18.04
T0863-T0861	100-500	Res	8	<10	AC	0	5	1983	40	2D	4	8	5		5	0	6	14.74
T0865-T0861	100-500	Res	8	<10	AC	0	5	1983	40	2D	4	8	5		5	0	6	14.74
T0865-T0868	100-500	Res	6	<8	AC	0	5	1980	43	2D	6	8	1		5	0	6	15.4
T0868-T0406	100-500	Res	6	<8	AC	0	5	1980	43	2D	6	8	1		5	0	6	15.4
T0869-T0871	100-500	Res	8	<10	AC	0	5	0	0	2D	7	8	5		5	0	6	20.77
T0871-T0872	500-1000	Res	8	<10	AC	0	5	0	0	2D	7	5	5		5	0	6	16.12
T0872-T0865	100-500	Res	8	<10	AC	0	5	1983	40	2D	4	8	5		5	0	6	14.74
T0874-T0881	500-1000	Res	16	≥10	AC	0	5	1969	54	4	6	5	10		5	0	6	18.76
T0874-T0939	500-1000	Res	16	≥10	AC	0	5	1969	54	4	6	5	10		5	0	6	18.76
T0876-T0877	1000	Res	6	<8	AC	0	5	1969	54	4	6	2	1		5	0	6	7
T0878-T0880	0-100	Res	6	<8	AC	0	5	1969	54	4	6	10	1		5	0	6	18.2
T0878-T1406	0-100	Res	6	<8	AC	0	5	1969	54	4	6	10	1		5	0	6	18.2
T0879-T0393	0-100	Res	6	<8	AC	0	5	1969	54	5	6	10	1		5	0	6	18.2
T0879-T0890	0-100	Res	6	<8	AC	0	5	1969	54	5	6	10	1		5	0	6	18.2
T0881-T0876	1000	Res	16	≥10	AC	0	5	1969	54	4	6	2	10		5	0	6	14.56
T0882-T0880	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T0882-T1205	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T0883-T0658	500-1000	Res	8	<10	AC	0	5	1969	54	5C	6	5	5		5	0	6	14.56
T0884-GV04167	1000	Res	14	≥10	AC	0	5	1969	54	4	6	2	10		5	0	6	14.56
T0884-T0883	1000	Res	8	<10	AC	0	5	1969	54	5C	6	2	5		5	0	6	10.36
T0885-T0884	1000	Res	14	≥10	AC	0	5	1969	54	5	6	2	10		5	0	6	14.56
T0886-EC32	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T0886-T0882	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T0887-T0888	100-500	Res	6	<8	AC	0	5	1969	54	5	6	8	1		5	0	6	15.4
T0888-EC33	500-1000	Res	6	<8	AC	0	5	1969	54	5	6	5	1		5	0	6	11.2
T0889-T0887	100-500	Res	6	<8	AC	0	5	1969	54	5	6	8	1		5	0	6	15.4
T0891-T0890	0-100	Res	6	<8	AC	0	5	1969	54	5	6	10	1		5	0	6	18.2
T0891-T1219	100-500	Res	6	<8	AC	0	5	1969	54	5	6	8	1		5	0	6	15.4
T0892-T0396	100-500	Res	6	<8	AC	0	5	1969	54	5	6	8	1		5	0	6	15.4
T0892-T0889	100-500	Res	6	<8	AC	0	5	1969	54	5	6	8	1		5	0	6	15.4
T0893-T0885	500-1000	Res	14	≥10	AC	0	5	1969	54	5	6	5	10		5	0	6	18.76
T0894-T0891	0-100	Res	6	<8	AC	0	5	1969	54	5	6	10	1		5	0	6	18.2
T0894-T0895	0-100	Res	6	<8	AC	0	5	1969	54	5	6	10	1		5	0	6	18.2
T0895-T0399	0-100	Res	6	<8	AC	0	5	1969	54	5	6	10	1		5	0	6	18.2
T0899-T0897	100-500	Res	8	<10	AC	0	5	1977	46	3	6	8	5		5	0	6	18.76
T0899-T1669	0-100	Res	8	<10	AC	0	5	1976	47	3	6	10	5		5	0	6	21.56
T0900-GV03120	0-100	Res	8	<10	AC	0	5	1977	46	3	6	10	5		5	0	6	21.56
T0900-T0902	0-100	Res	8	<10	AC	0	5	1977	46	3	6	10	5		5	0	6	21.56
T0901-T0897	100-500	Res	8	<10	DIP	0	5	2004	19	3	2	8	5		1	0	6	5.36
T0902-T0905	100-500	Res	8	<10	AC	0	5	1976	47	3	6	8	5		5	0	6	18.76
T0903-T0901	500-1000	Res	8	<10	DIP	0	5	2004	19	3	2	5	5		1	0	6	4.16
T0904-T0709	100-500	Res	8	<10	C900	0	5	2002	21	3	4	8	5		1	0	6	9.38
T0904-T0718	100-500	Res	8	<10	C900	0	5	2002	21	3	4	8	5		1	0	6	9.38
T0905-T1671	100-500	Res	8	<10	DR-14		5	2016	7	3	2	8	5		1	0	6	5.36
T0906-T0911	500-1000	Res	6	<8	AC	0	5	1969	54	3	6	5	1		5	0	6	11.2
T0906-T1473	500-1000	Res	8	<10	DIP	0	5	2004	19	3	2	5	5		1	0	6	4.16
T0907-T0903	500-1000	Res	8	<10	DIP	0	5	2004	19	3	2	5	5		1	0	6	4.16
T0908-T0906	500-1000	Res	8	<10	DIP	0	5	2004	19	3	2	5	5		1	0	6	4.16
T0908-T0913	500-1000	Res	8	<10	DIP	0	5	2004	19	3	2	5	5		1	0	6	4.16
T0910-T1681	0-100	Res	6	<8	AC	0	5	1969	54	3	6	10	1		5	0	6	18.2
T0912-T0911	500-1000	Res	6	<8	AC	0	5	1969	54	3	6	5	1		5	0	6	11.2
T0913-T0915	100-500	Res	8	<10	DIP	0	5	2004	19	3	2	8	5		1	0	6	5.36
T0914-T0912	500-1000	Res	6	<8	AC	0	5	1969	54	3	6	5	1		5	0	6	11.2
T0915-T0916	100-500	Res	8	<10	DIP	0	5	2004	19	3	2	8	5		1	0	6	5.36
T0916-T0907	100-500	Res	8	<10	DIP	0	5	2004	19	3	2	8	5		1	0	6	5.36
T0917-T0916	0-100	Res	8	<10	DIP	0	5	2004	19	3	2	10	5		1	0	6	6.16
T0918-T0913	500-1000	Res	6	<8	AC	0	5	1969	54	3	6	5	1		5	0	6	11.2
T0919-T0920	100-500	Res	6	<8	AC	0	5	1969	54	3	6	8	1		5	0	6	15.4
T0920-CRS22	100-500	Res	6	<8	AC	0	5	1969	54	3	6	8	1		5	0	6	15.4
T0921-BV-013	500-1000	Res	6	<8	AC	0	5	1969	54	4	6	5	1		5	0	6	11.2
T0922-T1172	100-500	Res	6	<8	AC	0	5	0	0	4	7	8	1		5	0	6	17.05
T0923-T0921	500-1000	Res	6	<8	AC	0	5	1969	54	4	6	5	1		5	0	6	11.2
T0923-T0924	500-1000	Res	6	<8	AC	0	5	1969	54	4	6	5	1		5	0	6	11.2
T0925-T0742	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T0926-T0924	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T0926-T0928	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T0927-T0925	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T0928-RC072	100-500	Res	10	≥10	DIP	0	5	1997	26	4	4	8	10		1	0	6	11.48
T0928-RC073	100-500	Res	10	≥10	DIP	0	5	1997	26	4	4	8	10		1	0	6	11.48

T0929-T0930	0-100	Res	16	≥10	AC	0	5	1969	54	4	6	10	10		5	0	6	25.76
T0929-T0934	100-500	Res	16	≥10	AC	0	5	1969	54	4	6	8	10		5	0	6	22.96
T0930-CRS26	0-100	Res	16	≥10	AC	0	5	1969	54	4	6	10	10		5	0	6	25.76
T0932-EC37	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T0932-T1199	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T0934-T0936	500-1000	Res	16	≥10	AC	0	5	1969	54	4	6	5	10		5	0	6	18.76
T0935-T0927	500-1000	Res	6	<8	AC	0	5	1969	54	4	6	5	1		5	0	6	11.2
T0937-T0874	500-1000	Res	6	<8	AC	0	5	1969	54	4	6	5	1		5	0	6	11.2
T0937-T0935	1000	Res	6	<8	AC	0	5	1969	54	4	6	2	1		5	0	6	7
T0938-EC38	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T0938-T0939	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T0939-T0936	500-1000	Res	16	≥10	AC	0	5	1969	54	4	6	5	10		5	0	6	18.76
T0940-T0400	100-500	Res	14	≥10	AC	0	5	1969	54	5	6	8	10		5	0	6	22.96
T0940-T1402	0-100	Res	6	<8	AC	0	5	1977	46	5	6	10	1		5	0	6	18.2
T0941-T0400	100-500	Res	14	≥10	AC	0	5	0	0	5	7	8	10		5	0	6	25.42
T0941-T0944	100-500	Res	14	≥10	AC	0	5	0	0	5	7	8	10		5	0	6	25.42
T0942-T0399	0-100	Res	6	<8	AC	0	5	0	0	5	7	10	1		5	0	6	20.15
T0943-RC015	100-500	Res	6	<8	DIP	0	5	2000	23	5	4	8	1		1	0	6	7.7
T0944-T0942	100-500	Res	6	<8	AC	0	5	0	0	5	7	8	1		5	0	6	17.05
T0946-T0943	500-1000	Res	8	<10	C900	0	5	2000	23	5	4	5	5		1	0	6	7.28
T0947-T0944	0-100	Res	6	<8	AC	0	5	1969	54	5	6	10	1		5	0	6	18.2
T0948-T0946	500-1000	Res	8	<10	C900	0	5	2000	23	5	4	5	5		1	0	6	7.28
T0949-EC39	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
T0950-T0941	0-100	Res	14	≥10	AC	0	5	1969	54	5	6	10	10		5	0	6	25.76
T0951-T1233	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
T0952-FIT1365	500-1000	Res	6	<8	AC	0	5	1969	54	6	6	5	1		5	0	6	11.2
T0952-T0949	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
T0953-T0951	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
T0954-T0955	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
T0955-T0952	500-1000	Res	6	<8	AC	0	5	1969	54	6	6	5	1		5	0	6	11.2
T0956-RDCR024	100-500	Res	8	<10	C900	0	5	2000	23	6	4	8	5		1	0	6	9.38
T0956-RDCR080	100-500	Res	8	<10	C900	0	5	2000	23	6	4	8	5		1	0	6	9.38
T0957-T0953	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
T0957-T0961	100-500	Res	12	≥10	AC	0	5	1969	54	6	6	8	10		5	0	6	22.96
T0959-T0950	0-100	Res	14	≥10	AC	0	5	1969	54	5	6	10	10		5	0	6	25.76
T0960-BND34	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
T0961-T0964	100-500	Res	12	≥10	AC	0	5	1969	54	6	6	8	10		5	0	6	22.96
T0962-T0959	100-500	Res	14	≥10	AC	0	5	0	0	5	7	8	10		5	0	6	25.42
T0963-RC071	100-500	Res	6	<8	DIP	0	5	2000	23	6	4	8	1		1	0	6	7.7
T0963-T0956	100-500	Res	8	<10	C900	0	5	2000	23	6	4	8	5		1	0	6	9.38
T0964-T1658	100-500	Res	12	≥10	AC	0	5	1969	54	6	6	8	10		5	0	6	22.96
T0965-T0957	100-500	Res	12	≥10	AC	0	5	1969	54	6	6	8	10		5	0	6	22.96
T0965-T1238	500-1000	Res	6	<8	AC	0	5	0	0	6	7	5	1		5	0	6	12.4
T0966-T0964	0-100	Res	6	<8	OD_ST	0	5	1969	54	6	6	10	1		10	10	6	57.2
T0967-T0966	0-100	Res	8	<10	DIP	0	5	0	0	6	7	10	5		1	0	6	17.71
T0968-T0963	100-500	Res	8	<10	C900	0	5	2000	23	6	4	8	5		1	0	6	9.38
T0969-T0965	100-500	Res	12	≥10	AC	0	5	1969	54	6	6	8	10		5	0	6	22.96
T0971-T0972	0-100	Res	8	<10	DIP	0	5	1990	33	1	4	10	5		1	0	6	10.78
T0973-RC032	100-500	Res	6	<8	DIP	0	5	1990	33	1	4	8	1		1	0	6	7.7
T0973-T1698	100-500	Res	6	<8	DIP	0	5	1990	33	1	4	8	1		1	0	6	7.7
T0974-T0972	0-100	Res	8	<10	DIP	0	5	1990	33	1	4	10	5		1	0	6	10.78
T0975-T0973	100-500	Res	8	<10	DIP	0	5	1990	33	1	4	8	5		1	0	6	9.38
T0977-T0975	100-500	Res	8	<10	DIP	0	5	1990	33	1	4	8	5		1	0	6	9.38
T0978-RDCR101	100-500	Res	8	<10	C900	0	5	1996	27	1	4	8	5		1	0	6	9.38
T0979-T0976	100-500	Res	8	<10	AC	0	5	0	0	1	7	8	5		5	0	6	20.77
T0980-T0979	100-500	Res	8	<10	AC	0	5	0	0	1	7	8	5		5	0	6	20.77
T0981-GV01606	100-500	Res	8	<10	DIP	0	5	1990	33	1	4	8	5		1	0	6	9.38
T0982-T0981	500-1000	Res	6	<8	DIP	0	5	1990	33	1	4	5	1		1	0	6	5.6
T0984-T0981	500-1000	Res	8	<10	DIP	0	5	1990	33	1	4	5	5		1	0	6	7.28
T0985-T0984	500-1000	Res	8	<10	DIP	0	5	1990	33	1	4	5	5		1	0	6	7.28
T0985-T0988	500-1000	Res	8	<10	DIP	0	5	1990	33	1	4	5	5		1	0	6	7.28
T0988-T0989	500-1000	Com	8	<10	DIP	0	5	1990	33	1	4	5	5		1	0	10	8.4
T0989-T1430	100-500	Res	8	<10	DIP	0	5	1990	33	1	4	8	5		1	0	6	9.38
T0990-T0986	100-500	Res	8	<10	DIP	0	5	1990	33	1	4	8	5		1	0	6	9.38
T0991-RC035	100-500	Com	8	<10	C900	0	5	2001	22	1	4	8	5		1	0	10	10.5
T0991-RDCR103	100-500	Com	8	<10	C900	0	5	2001	22	1	4	8	5		1	0	10	10.5
T0994-EC86	500-1000	Com	6	<8	OD_ST	0	5	0	0	1	7	5	1		10	10	10	43.68
T0995-T0996	100-500	Com	12	≥10	DIP	0	5	1994	29	1	4	8	10		1	0	10	12.6
T0995-T1431	100-500	Res	12	≥10	DIP	0	5	1990	33	1	4	8	10		1	0	6	11.48
T0996-EC84	100-500	Com	8	<10	DIP	0	5	1994	29	1	4	8	5		1	0	10	10.5
T0997-T0999	100-500	Res	12	≥10	DIP	0	5	1990	33	1	4	8	10		1	0	6	11.48
T0999-RC036	500-1000	Com	8	<10	DIP	0	5	1990	33	1	4	5	5		1	0	10	8.4
T0999-T1000	500-1000	Res	12	≥10	DIP	0	5	1990	33	1	4	5	10		1	0	6	9.38
T1000-T1002	500-1000	Res	12	≥10	DIP	0	5	1990	33	1	4	5	10		1	0	6	9.38
T1001-T0992	100-500	Res	8	<10	C900	0	5	1994	29	1	4	8	5		1	0	6	9.38
T1001-T1005	100-500	Res	8	<10	C900	0	5	1994	29	1	4	8	5		1	0	6	9.38

T1002-T1004	500-1000	Res	12	≥10	DIP	0	5	1990	33	1	4	5	10		1	0	6	9.38
T1003-T1012	100-500	Res	8	<10	DR-14 BURST	0	5	2015	8	1	2	8	5		1	0	6	5.36
T1003-T1280	500-1000	Res	6	<8	DR-14 BURST	0	5	2015	8	1	2	5	1		1	0	6	3.2
T1004-T1008	100-500	Com	12	≥10	DIP	0	5	1990	33	1	4	8	10		1	0	10	12.6
T1005-T1011	0-100	Res	8	<10	C900	0	5	1994	29	1	4	10	5		1	0	6	10.78
T1008-T1010	100-500	Com	12	≥10	DIP	0	5	1990	33	1	4	8	10		1	0	10	12.6
T1010-RC087	100-500	Com	6	<8	DIP	0	5	1990	33	1	4	8	1		1	0	10	8.82
T1010-T1014	0-100	Com	12	≥10	DIP	0	5	1990	33	1	4	10	10		1	0	10	14
T1012-T1011	0-100	Res	12	≥10	DIP	0	5	1999	24	1	4	10	10		1	0	6	12.88
T1012-T1019	100-500	Res	12	≥10	DIP	0	5	1999	24	1	4	8	10		1	0	6	11.48
T1014-T1017	0-100	Com	10	≥10	AC	0	5	1980	43	1	6	10	10		5	0	10	28
T1014-T1018	0-100	Com	12	≥10	DIP	0	5	1990	33	1	4	10	10		1	0	10	14
T1015-T1011	0-100	Res	12	≥10	C900	0	5	1994	29	1	4	10	10		1	0	6	12.88
T1016-T1290	500-1000	Res	12	≥10	C900	0	5	1994	29	1	4	5	10		1	0	6	9.38
T1017-T1024	100-500	Com	10	≥10	AC	0	5	1980	43	1	6	8	10		5	0	10	25.2
T1018-T1023	0-100	Res	12	≥10	DIP	0	5	1990	33	1	4	10	10		1	0	6	12.88
T1019-T1016	100-500	Res	12	≥10	C900	0	5	1994	29	1	4	8	10		1	0	6	11.48
T1020-T1019	100-500	Res	8	<10	C900	0	5	1994	29	1	4	8	5		1	0	6	9.38
T1020-T1022	100-500	Res	8	<10	C900	0	5	1994	29	1	4	8	5		1	0	6	9.38
T1021-T1015	100-500	Res	12	≥10	C900	0	5	1994	29	1	4	8	10		1	0	6	11.48
T1022-GV01589	500-1000	Res	8	<10	C900	0	5	1994	29	1	4	5	5		1	0	6	7.28
T1023-T1025	100-500	Res	12	≥10	DIP	350	5	1990	33	1	4	8	10		1	0	6	11.48
T1024-T1027	0-100	Com	10	≥10	AC	0	5	1980	43	1	6	10	10		5	0	10	28
T1025-T1021	100-500	Res	12	≥10	C900	150	5	1994	29	1	4	8	10		1	0	6	11.48
T1027-T1032	0-100	Com	8	<10	AC	0	5	0	0	1	7	10	5		5	0	10	26.35
T1029-CRS25	500-1000	Res	8	<10	C900	0	5	0	0	1	7	5	5		1	0	6	11.96
T1030-T1027	0-100	Com	10	≥10	AC	0	5	1980	43	1	6	10	10		5	0	10	28
T1030-T1491	0-100	Com	10	≥10	AC	0	5	1980	43	1	6	10	10		5	0	10	28
T1032-T1586	0-100	Com	8	<10	AC	0	5	0	0	1	7	10	5		5	0	10	26.35
T1033-T0748	0-100	Com	10	≥10	AC	0	5	1980	43	1	6	10	10		5	0	10	28
T1034-T1025	100-500	Res	12	≥10	DIP	350	5	0	0	1	7	8	10		1	0	6	18.86
T1035-FH-859	100-500	Com	6	<8	C900		5		0	1	7	8	1		1	0	10	14.49
T1035-GV9083	100-500	Com	6	<8	C900	0	5	0	0	1	7	8	1		1	0	10	14.49
T1036-T1037	500-1000	Com	12	≥10	DIP	0	5	1990	33	1	4	5	10		1	0	10	10.5
T1037-T1034	500-1000	Res	12	≥10	DIP	0	5	1990	33	1	4	5	10		1	0	6	9.38
T1038-T1036	500-1000	Com	12	≥10	DIP	0	5	1990	33	1	4	5	10		1	0	10	10.5
T1040-RC082	500-1000	Res	8	<10	DIP	0	5	1995	28	1	4	5	5		1	0	6	7.28
T1040-T1038	500-1000	Com	12	≥10	DIP	0	5	1995	28	1	4	5	10		1	0	10	10.5
T1040-T1041	100-500	Res	12	≥10	DIP	0	5	1995	28	1	4	8	10		1	0	6	11.48
T1041-T1042	100-500	Res	8	<10	DIP	0	5	1995	28	1	4	8	5		1	0	6	9.38
T1042-T1048	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T1043-T1041	100-500	Res	12	≥10	DIP	0	5	1995	28	1	4	8	10		1	0	6	11.48
T1043-T1046	100-500	Com	12	≥10	DIP	0	5	1999	24	1	4	8	10		1	0	10	12.6
T1046-T1559	100-500	Com	12	≥10	DIP	0	5	1999	24	1	4	8	10		1	0	10	12.6
T1049-T1048	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T1049-T1051	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T1050-RDCR129	100-500	Res	6	<8	C900		5	2011	12	1	2	8	1		1	0	6	4.4
T1050-RDCR130	100-500	Res	12	≥10	DIP		5	2011	12	1	2	8	10		1	0	6	6.56
T1051-T1542	100-500	Res	10	≥10	AC	0	5	0	0	1	7	8	10		5	0	6	25.42
T1053-T1051	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T1053-T1052	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T1054-EC104	0-100	Res	10	≥10	AC	0	5	0	0	1	7	10	10		5	0	6	28.52
T1055-T1564	100-500	Res	10	≥10	C900	0	5	1998	25	1	4	8	10		1	0	6	11.48
T1056-T1055	100-500	Res	10	≥10	C900	0	5	1998	25	1	4	8	10		1	0	6	11.48
T1057-T1052	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T1057-T1061	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T1058-T1052	100-500	Res	8	<10	C900	150	5	1994	29	1	4	8	5		1	0	6	9.38
T1059-T1058	100-500	Res	8	<10	C900	0	5	1994	29	1	4	8	5		1	0	6	9.38
T1060-T1059	100-500	Res	8	<10	C900	0	5	1994	29	1	4	8	5		1	0	6	9.38
T1062-T1058	100-500	Res	8	<10	C900	150	5	1994	29	1	4	8	5		1	0	6	9.38
T1063-T1065	100-500	Res	12	≥10	DIP	350	5	1986	37	2D	4	8	10		1	0	6	11.48
T1063-T1350	0-100	Res	14	≥10	DIP	0	5	1988	35	2D	4	10	10		1	0	6	12.88
T1063-T1423	0-100	Res	12	≥10	DIP	350	5	1986	37	2D	4	10	10		1	0	6	12.88
T1064-EC44	100-500	Res	8	<10	AC	0	5	1981	42	2D	6	8	5		5	0	6	18.76
T1064-RDCR123	0-100	Res	6	<8	AC	0	5	1983	40	2D	4	10	1		5	0	6	14.3
T1066-T1062	100-500	Res	8	<10	C900	150	5	1994	29	1	4	8	5		1	0	6	9.38
T1066-T1490	100-500	Res	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	6	9.38
T1067-T1065	100-500	Res	12	≥10	DIP	0	5	1986	37	2D	4	8	10		1	0	6	11.48
T1068-T1345	0-100	Res	8	<10	C900	200	5	2009	14	2D	2	10	5		1	0	6	6.16
T1070-T1067	500-1000	Res	12	≥10	DIP	0	5	1986	37	2D	4	5	10		1	0	6	9.38
T1071-EC45	0-100	Res	6	<8	AC	0	5	0	0	2D	7	10	1		5	0	6	20.15
T1072-T1068	100-500	Res	8	<10	C900	200	5	2009	14	2D	2	8	5		1	0	6	5.36
T1073-FIT1394	100-500	Res	6	<8	AC	0	5	1981	42	2D	6	8	1		5	0	6	15.4
T1073-GV02420	500-1000	Res	8	<10	AC	0	5	1981	42	2D	6	5	5		5	0	6	14.56
T1073-T1078	100-500	Res	8	<10	AC	0	5	1981	42	2D	6	8	5		5	0	6	18.76
T1074-T1071	0-100	Res	6	<8	AC	0	5	0	0	2D	7	10	1		5	0	6	20.15

T1075-RDCR091	500-1000	Res	6	<8	OD_ST	0	5	0	0	2D	7	5	1		10	10	6	36.4
T1078-T1074	100-500	Res	6	<8	AC	0	5	0	0	2D	7	8	1		5	0	6	17.05
T1079-FIT1393	100-500	Res	6	<8	AC	0	5	1981	42	2D	6	8	1		5	0	6	15.4
T1080-T1072	500-1000	Res	8	<10	C900	200	5	2009	14	2D	2	5	5		1	0	6	4.16
T1080-T1085	500-1000	Res	8	<10	C900	200	5	2009	14	2D	2	5	5		1	0	6	4.16
T1082-T1078	100-500	Res	8	<10	AC	0	5	1981	42	2D	6	8	5		5	0	6	18.76
T1082-T1079	0-100	Res	6	<8	AC	0	5	1981	42	2D	6	10	1		5	0	6	18.2
T1083-T1422	100-500	Res	12	≥10	DIP	0	5	1986	37	2D	4	8	10		1	0	6	11.48
T1086-RDCR090	500-1000	Res	8	<10	C900	0	5	1996	27	2D	4	5	5		1	0	6	7.28
T1087-T1089	0-100	Res	12	≥10	AC	0	5	1983	40	2D	4	10	10		5	0	6	20.24
T1089-T1525	0-100	Res	12	≥10	AC	0	5	1983	40	2D	4	10	10		5	0	6	20.24
T1090-T1083	100-500	Res	12	≥10	DIP	0	5	1986	37	2D	4	8	10		1	0	6	11.48
T1091-T1092	0-100	Res	12	≥10	AC	0	5	1983	40	2D	4	10	10		5	0	6	20.24
T1093-131-240-02B	0-100	Res	8	<10	C900	0	5	0	0	2D	7	10	5		1	0	6	17.71
T1093-RC038	0-100	Res	12	≥10	AC	0	5	1983	40	2D	4	10	10		5	0	6	20.24
T1093-T1092	0-100	Res	12	≥10	AC	0	5	1983	40	2D	4	10	10		5	0	6	20.24
T1094-RC074	500-1000	Res	8	<10	C900	0	5	1990	33	2D	4	5	5		1	0	6	7.28
T1095-T1099	0-100	Res	12	≥10	DIP	0	5	1987	36	2D	4	10	10		1	0	6	12.88
T1096-T1090	100-500	Res	12	≥10	DIP	0	5	1986	37	2D	4	8	10		1	0	6	11.48
T1097-RC079	100-500	Res	8	<10	AC	0	5	1981	42	2D	6	8	5		5	0	6	18.76
T1097-T1096	100-500	Res	8	<10	AC	0	5	0	0	2D	7	8	5		5	0	6	20.77
T1097-T1109	100-500	Res	8	<10	AC	0	5	1981	42	2D	6	8	5		5	0	6	18.76
T1098-T1086	100-500	Res	8	<10	C900	0	5	1996	27	2D	4	8	5		1	0	6	9.38
T1098-T1096	100-500	Res	12	≥10	DIP	0	5	1986	37	2D	4	8	10		1	0	6	11.48
T1099-T1100	100-500	Res	12	≥10	DIP	0	5	1987	36	2D	4	8	10		1	0	6	11.48
T1101-T1112	500-1000	Res	8	<10	C900	0	5	1996	27	3	4	5	5		1	0	6	7.28
T1102-T1100	100-500	Res	12	≥10	DIP	0	5	1987	36	2D	4	8	10		1	0	6	11.48
T1102-T1106	0-100	Res	12	≥10	DIP	0	5	1987	36	2D	4	10	10		1	0	6	12.88
T1104-T1098	100-500	Res	12	≥10	DIP	0	5	1986	37	2D	4	8	10		1	0	6	11.48
T1105-D2C02	1000	Res	8	<10	C900	0	5	2004	19	3	2	2	5		1	0	6	2.96
T1105-SDL2699	1000	Res	8	<10	C900	0	5	1995	28	3	4	2	5		1	0	6	5.18
T1106-GV01855	0-100	Res	6	<8	C900	0	5	1987	36	2D	4	10	1		1	0	6	9.1
T1107-RC077	500-1000	Res	8	<10	C900	0	5	1996	27	2D	4	5	5		1	0	6	7.28
T1108-SDL2272	100-500	Res	12	≥10	DIP	0	5	1987	36	2D	4	8	10		1	0	6	11.48
T1108-T1106	100-500	Res	12	≥10	DIP	0	5	1987	36	2D	4	8	10		1	0	6	11.48
T1109-CRS32	100-500	Res	8	<10	AC	0	5	1981	42	2D	6	8	5		5	0	6	18.76
T1110-D2C02	500-1000	Res	8	<10	DIP	0	5	2004	19	3	2	5	5		1	0	6	4.16
T1111-T1105	500-1000	Res	8	<10	DR-14		5	2013	10	3	2	5	5		1	0	6	4.16
T1112-T1113	500-1000	Res	8	<10	C900	0	5	1996	27	3	4	5	5		1	0	6	7.28
T1116-T1122	100-500	Res	8	<10	C900	0	5	2004	19	3	2	8	5		1	0	6	5.36
T1117-T1113	100-500	Res	8	<10	C900	0	5	1996	27	3	4	8	5		1	0	6	9.38
T1117-T1120	100-500	Res	8	<10	C900	0	5	1992	31	3	4	8	5		1	0	6	9.38
T1118-T1413	100-500	Res	8	<10	DIP	0	5	2001	22	4	4	8	5		1	0	6	9.38
T1119-T1415	500-1000	Res	8	<10	C900	0	5	2004	19	3	2	5	5		1	0	6	4.16
T1121-FIT1515	100-500	Res	8	<10	C900	0	5	2004	19	3	2	8	5		1	0	6	5.36
T1121-T1119	500-1000	Res	8	<10	C900	0	5	2004	19	3	2	5	5		1	0	6	4.16
T1122-T1121	100-500	Res	8	<10	C900	0	5	2004	19	3	2	8	5		1	0	6	5.36
T1122-T1125	100-500	Res	8	<10	C900	0	5	1992	31	3	4	8	5		1	0	6	9.38
T1125-T1131	500-1000	Res	8	<10	C900	0	5	1992	31	3	4	5	5		1	0	6	7.28
T1126-T1118	0-100	Res	8	<10	DIP	0	5	2001	22	4	4	10	5		1	0	6	10.78
T1127-ZV3-2-4	100-500	Res	8	<10	AC	0	5	1981	42	3	6	8	5		5	0	6	18.76
T1129-FH-743	100-500	Res	8	<10	C900	0	5	1996	27	3	4	8	5		1	0	6	9.38
T1129-T1128	100-500	Res	8	<10	OD_ST	0	5	0	0	3	7	8	5		10	10	6	60.97
T1130-T1126	0-100	Res	8	<10	DIP	0	5	2001	22	4	4	10	5		1	0	6	10.78
T1131-ZV4-3-2	500-1000	Res	6	<8	C900	150	5	1992	31	3	4	5	1		1	0	6	5.6
T1132-T1129	100-500	Res	8	<10	OD_ST	0	5	0	0	3	7	8	5		10	10	6	60.97
T1132-T1145	100-500	Res	8	<10	C900	0	5	1994	29	3	4	8	5		1	0	6	9.38
T1133-T1124	100-500	Res	10	≥10	DIP	0	5	1984	39	4	4	8	10		1	0	6	11.48
T1133-T1126	0-100	Res	8	<10	DIP	0	5	1990	33	4	4	10	5		1	0	6	10.78
T1134-T1120	100-500	Res	8	<10	C900	0	5	1992	31	3	4	8	5		1	0	6	9.38
T1135-T1133	100-500	Res	10	≥10	DIP	0	5	1984	39	4	4	8	10		1	0	6	11.48
T1135-T1140	100-500	Res	10	≥10	AC	0	5	1984	39	4	4	8	10		5	0	6	18.04
T1136-T1131	500-1000	Res	8	<10	C900	0	5	1992	31	3	4	5	5		1	0	6	7.28
T1138-T1132	0-100	Res	8	<10	OD_ST	0	5	0	0	3	7	10	5		10	10	6	70.07
T1139-T1127	100-500	Res	8	<10	AC	0	5	1981	42	3	6	8	5		5	0	6	18.76
T1139-T1142	100-500	Res	8	<10	AC	0	5	1981	42	3	6	8	5		5	0	6	18.76
T1140-T1146	500-1000	Res	10	≥10	AC	0	5	1984	39	4	4	5	10		5	0	6	14.74
T1142-T1134	100-500	Res	8	<10	C900	0	5	1992	31	3	4	8	5		1	0	6	9.38
T1142-T1144	100-500	Res	8	<10	AC	0	5	1981	42	3	6	8	5		5	0	6	18.76
T1143-T1138	0-100	Res	8	<10	OD_ST	0	5	0	0	3	7	10	5		10	10	6	70.07
T1144-RC042	100-500	Res	8	<10	AC	0	5	1981	42	3	6	8	5		5	0	6	18.76
T1144-T1143	100-500	Res	6	<8	OD_ST	0	5	0	0	3	7	8	1		10	10	6	50.05
T1145-EC97	100-500	Res	8	<10	C900	0	5	1994	29	3	4	8	5		1	0	6	9.38
T1146-T1410	500-1000	Res	10	≥10	AC	0	5	1984	39	4	4	5	10		5	0	6	14.74
T1147-T1138	0-100	Res	8	<10	DIP	0	5	0	0	3	7	10	5		1	0	6	17.71
T1147-T1150	0-100	Res	8	<10	DIP	0	5	1998	25	3	4	10	5		1	0	6	10.78

T1148-T1119	100-500	Res	8	<10	C900	0	5	1992	31	3	4	8	5		1	0	6	9.38
T1149-T1136	500-1000	Res	8	<10	C900	0	5	1992	31	3	4	5	5		1	0	6	7.28
T1150-EC48	0-100	Res	8	<10	DIP	0	5	1998	25	3	4	10	5		1	0	6	10.78
T1151-T1410	500-1000	Res	10	≥10	AC	0	5	1984	39	4	4	5	10		5	0	6	14.74
T1155-T1148	0-100	Res	8	<10	C900	0	5	1992	31	3	4	10	5		1	0	6	10.78
T1155-T1161	0-100	Res	8	<10	C900	0	5	1992	31	3	4	10	5		1	0	6	10.78
T1156-T1149	0-100	Res	8	<10	C900	0	5	1992	31	3	4	10	5		1	0	6	10.78
T1157-T1420	0-100	Res	8	<10	DIP	0	5	1998	25	3	4	10	5		1	0	6	10.78
T1159-T1151	100-500	Res	10	≥10	AC	0	5	1984	39	4	4	8	10		5	0	6	18.04
T1159-T1166	0-100	Res	6	<8	AC	0	5	0	0	4	7	10	1		5	0	6	20.15
T1160-T1163	0-100	Res	6	<8	C900	0	5	0	0	3	7	10	1		1	0	6	14.95
T1161-SDL2372	0-100	Res	8	<10	C900	0	5	1992	31	3	4	10	5		1	0	6	10.78
T1161-T1169	100-500	Res	8	<10	C900	0	5	1992	31	3	4	8	5		1	0	6	9.38
T1162-T0917	0-100	Res	8	<10	DIP	0	5	2004	19	3	2	10	5		1	0	6	6.16
T1162-T1163	0-100	Res	8	<10	DIP	0	5	2004	19	3	2	10	5		1	0	6	6.16
T1163-T1165	0-100	Res	8	<10	DIP	0	5	2004	19	3	2	10	5		1	0	6	6.16
T1164-T1159	0-100	Res	10	≥10	AC	0	5	1984	39	4	4	10	10		5	0	6	20.24
T1164-T1174	0-100	Res	10	≥10	AC	0	5	1984	39	4	4	10	10		5	0	6	20.24
T1165-GV03082	100-500	Res	8	<10	AC	0	5	0	0	3	7	8	5		5	0	6	20.77
T1165-ZV4-3-1	100-500	Res	8	<10	DIP	0	5	1997	26	3	4	8	5		1	0	6	9.38
T1166-T1175	100-500	Res	6	<8	AC	0	5	0	0	4	7	8	1		5	0	6	17.05
T1167-T1170	0-100	Res	8	<10	DIP	0	5	1997	26	4	4	10	5		1	0	6	10.78
T1168-T1167	0-100	Res	8	<10	DIP	0	5	1997	26	4	4	10	5		1	0	6	10.78
T1169-T1157	0-100	Res	8	<10	DIP	0	5	1998	25	3	4	10	5		1	0	6	10.78
T1170-RDCR116	0-100	Res	8	<10	DIP	0	5	1969	54	4	6	10	5		1	0	6	15.4
T1170-T1171	0-100	Res	8	<10	DIP	0	5	1997	26	4	4	10	5		1	0	6	10.78
T1171-T1177	100-500	Res	8	<10	AC	0	5	0	0	4	7	8	5		5	0	6	20.77
T1173-T0922	0-100	Res	6	<8	AC	0	5	1969	54	4	6	10	1		5	0	6	18.2
T1174-T1188	500-1000	Res	10	≥10	AC	0	5	1984	39	4	4	5	10		5	0	6	14.74
T1176-EC49	0-100	Res	6	<8	AC	0	5	1969	54	4	6	10	1		5	0	6	18.2
T1177-T1176	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T1178-T1179	0-100	Res	6	<8	AC	0	5	1969	54	4	6	10	1		5	0	6	18.2
T1179-T1177	100-500	Res	8	<10	AC	0	5	1969	54	4	6	8	5		5	0	6	18.76
T1179-T1184	100-500	Res	8	<10	AC	0	5	1969	54	4	6	8	5		5	0	6	18.76
T1180-T1175	500-1000	Res	6	<8	AC	0	5	0	0	4	7	5	1		5	0	6	12.4
T1182-RDCR086	500-1000	Res	8	<10	C900	0	5	1995	28	6	4	5	5		1	0	6	7.28
T1182-T1181	500-1000	Res	8	<10	C900	0	5	1995	28	6	4	5	5		1	0	6	7.28
T1184-T1189	100-500	Res	8	<10	AC	0	5	1969	54	4	6	8	5		5	0	6	18.76
T1185-BND22	500-1000	Res	8	<10	C900	0	5	1997	26	6	4	5	5		1	0	6	7.28
T1187-T1180	500-1000	Res	6	<8	AC	0	5	0	0	4	7	5	1		5	0	6	12.4
T1188-T1404	500-1000	Res	10	≥10	AC	0	5	1984	39	4	4	5	10		5	0	6	14.74
T1189-T1186	0-100	Res	6	<8	AC	0	5	1969	54	4	6	10	1		5	0	6	18.2
T1190-T1187	500-1000	Res	6	<8	AC	0	5	0	0	4	7	5	1		5	0	6	12.4
T1191-RDCR029	500-1000	Res	8	<10	C900	0	5	2000	23	6	4	5	5		1	0	6	7.28
T1191-SDL2409	500-1000	Res	6	<8	AC	0	5	0	0	6	7	5	1		5	0	6	12.4
T1192-T1191	500-1000	Res	8	<10	C900	0	5	2000	23	6	4	5	5		1	0	6	7.28
T1192-T1198	500-1000	Res	8	<10	C900	0	5	2000	23	6	4	5	5		1	0	6	7.28
T1193-T1189	100-500	Res	8	<10	AC	0	5	1969	54	4	6	8	5		5	0	6	18.76
T1193-T1190	100-500	Res	6	<8	AC	0	5	0	0	4	7	8	1		5	0	6	17.05
T1194-CRS26	100-500	Res	8	<10	AC	0	5	1969	54	4	6	8	5		5	0	6	18.76
T1194-T1193	100-500	Res	8	<10	AC	0	5	1969	54	4	6	8	5		5	0	6	18.76
T1195-T1185	500-1000	Res	8	<10	C900	0	5	1997	26	6	4	5	5		1	0	6	7.28
T1195-T1201	100-500	Res	8	<10	C900	0	5	1997	26	6	4	8	5		1	0	6	9.38
T1196-T1206	0-100	Res	10	≥10	AC	0	5	1984	39	4	4	10	10		5	0	6	20.24
T1198-T1200	500-1000	Res	8	<10	C900	0	5	2000	23	6	4	5	5		1	0	6	7.28
T1199-CRS26	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T1202-T1199	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T1202-T1535	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T1203-T1207	0-100	Res	12	≥10	C900	0	5	1991	32	4	4	10	10		1	0	6	12.88
T1204-T1200	500-1000	Res	8	<10	C900	0	5	2000	23	6	4	5	5		1	0	6	7.28
T1207-T1197	100-500	Res	16	≥10	AC	0	5	0	0	4	7	8	10		5	0	6	25.42
T1208-T1197	100-500	Res	8	<10	OD_ST	0	5	0	0	4	7	8	5		10	10	6	60.97
T1208-T1212	100-500	Res	8	<10	OD_ST	0	5	0	0	4	7	8	5		10	10	6	60.97
T1209-T1207	100-500	Res	16	≥10	AC	0	5	0	0	4	7	8	10		5	0	6	25.42
T1209-T1210	100-500	Res	10	≥10	DIP	0	5	1991	32	4	4	8	10		1	0	6	11.48
T1210-T1209	100-500	Res	12	≥10	DIP	0	5	1991	32	4	4	8	10		1	0	6	11.48
T1211-T1212	100-500	Res	10	≥10	AC	0	5	0	0	4	7	8	10		5	0	6	25.42
T1212-T1645	100-500	Res	10	≥10	AC	0	5	0	0	4	7	8	10		5	0	6	25.42
T1220-T1217	500-1000	Res	8	<10	C900	0	5	2000	23	6	4	5	5		1	0	6	7.28
T1221-FIT1151	100-500	Res	6	<8	AC	0	5	1969	54	5	6	8	1		5	0	6	15.4
T1221-T0895	0-100	Res	6	<8	AC	0	5	1969	54	5	6	10	1		5	0	6	18.2
T1222-T1204	500-1000	Res	8	<10	C900	0	5	2000	23	6	4	5	5		1	0	6	7.28
T1222-T1220	500-1000	Res	8	<10	C900	0	5	2000	23	6	4	5	5		1	0	6	7.28
T1224-T0947	0-100	Res	6	<8	AC	0	5	1969	54	5	6	10	1		5	0	6	18.2
T1226-T1610	500-1000	Res	6	<8	AC	0	5	1969	54	6	6	5	1		5	0	6	11.2
T1227-RC123	500-1000	Res	8	<10	AC	0	5	1969	54	6	6	5	5		5	0	6	14.56

T1227-T1226	500-1000	Res	6	<8	AC	0	5	1969	54	6	6	5	1		5	0	6	11.2
T1228-T1227	500-1000	Res	8	<10	AC	0	5	1969	54	6	6	5	5		5	0	6	14.56
T1229-T1230	0-100	Res	6	<8	AC	0	5	1969	54	6	6	10	1		5	0	6	18.2
T1230-T0951	0-100	Res	6	<8	AC	0	5	1969	54	6	6	10	1		5	0	6	18.2
T1231-T1232	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
T1232-T1228	500-1000	Res	8	<10	AC	0	5	1969	54	6	6	5	5		5	0	6	14.56
T1234-T1231	0-100	Res	6	<8	AC	0	5	1969	54	6	6	10	1		5	0	6	18.2
T1234-T1233	0-100	Res	6	<8	AC	0	5	1969	54	6	6	10	1		5	0	6	18.2
T1235-T1232	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
T1235-T1236	0-100	Res	6	<8	AC	0	5	1969	54	6	6	10	1		5	0	6	18.2
T1237-T1236	0-100	Res	6	<8	AC	0	5	1969	54	6	6	10	1		5	0	6	18.2
T1238-T1237	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
T1239-T1236	0-100	Res	6	<8	AC	0	5	1969	54	6	6	10	1		5	0	6	18.2
T1240-T1239	0-100	Res	6	<8	AC	0	5	1969	54	6	6	10	1		5	0	6	18.2
T1241-T1239	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
T1242-T1241	100-500	Res	6	<8	AC	0	5	1969	54	6	6	8	1		5	0	6	15.4
T1243-GV06003	500-1000	Res	12	≥10	AC	0	5	1969	54	6	6	5	10		5	0	6	18.76
T1243-T0969	100-500	Res	12	≥10	AC	0	5	1969	54	6	6	8	10		5	0	6	22.96
T1243-T1242	500-1000	Res	6	<8	AC	0	5	1969	54	6	6	5	1		5	0	6	11.2
T1244-GV06003	100-500	Res	12	≥10	AC	0	5	1969	54	6	6	8	10		5	0	6	22.96
T1245-RC045	0-100	Res	8	<10	AC	0	5	0	0	1	7	10	5		5	0	6	23.87
T1247-T1682	100-500	Res	8	<10	AC		5		0	1	7	8	5		5	0	6	20.77
T1251-RC084	100-500	Res	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	6	9.38
T1252-EC80	100-500	Res	8	<10	C900	200	5	1998	25	1	4	8	5		1	0	6	9.38
T1252-T1250	100-500	Res	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	6	9.38
T1253-T1248	100-500	Res	8	<10	DIP	0	5	1985	38	1	4	8	5		1	0	6	9.38
T1253-T1254	100-500	Res	8	<10	DIP	0	5	1990	33	1	4	8	5		1	0	6	9.38
T1254-T0971	100-500	Res	8	<10	DIP	0	5	1990	33	1	4	8	5		1	0	6	9.38
T1255-T1252	100-500	Res	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	6	9.38
T1256-T1255	100-500	Res	8	<10	C900	0	5	0	0	1	7	8	5		1	0	6	15.41
T1258-T1253	0-100	Res	8	<10	DIP	0	5	1985	38	1	4	10	5		1	0	6	10.78
T1260-T1634	100-500	Res	6	<8	OD_ST	0	5	0	0	2D	7	8	1		10	10	6	50.05
T1261-T1256	100-500	Res	8	<10	DIP	0	5	1998	25	1	4	8	5		1	0	6	9.38
T1262-T1256	100-500	Res	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	6	9.38
T1265-T1261	0-100	Res	8	<10	DIP	0	5	1998	25	1	4	10	5		1	0	6	10.78
T1265-T1267	0-100	Res	8	<10	DIP	0	5	1998	25	1	4	10	5		1	0	6	10.78
T1267-T1262	100-500	Res	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	6	9.38
T1269-MJSS0015	100-500	Res	8	<10	C900	0	5	1996	27	1	4	8	5		1	0	6	9.38
T1269-T1266	100-500	Res	8	<10	C900	0	5	1996	27	1	4	8	5		1	0	6	9.38
T1269-T1270	100-500	Res	8	<10	C900	0	5	1994	29	1	4	8	5		1	0	6	9.38
T1270-T1271	500-1000	Res	8	<10	C900	0	5	1994	29	1	4	5	5		1	0	6	7.28
T1271-T0992	500-1000	Res	8	<10	C900	0	5	1994	29	1	4	5	5		1	0	6	7.28
T1272-T1267	0-100	Res	8	<10	C900	0	5	1998	25	1	4	10	5		1	0	6	10.78
T1273-T1272	0-100	Res	12	≥10	C900	0	5	1998	25	1	4	10	10		1	0	6	12.88
T1274-RDCR096	100-500	Res	8	<10	C900	0	5	2007	16	2D	2	8	5		1	0	6	5.36
T1275-RC047	0-100	Res	6	<8	DIP	350	5	1996	27	1	4	10	1		1	0	6	9.1
T1275-RC142	0-100	Res	12	≥10	DIP	0	5	1998	25	1	4	10	10		1	0	6	12.88
T1276-CRS28	0-100	Res	12	≥10	DIP	0	5	1996	27	2D	4	10	10		1	0	6	12.88
T1276-ZV2-1-3	0-100	Res	12	≥10	DIP	0	5	1996	27	2D	4	10	10		1	0	6	12.88
T1277-T1522	0-100	Res	12	≥10	DIP	350	5	2008	15	2D	2	10	10		1	0	6	7.36
T1278-BND30	100-500	Res	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	6	9.38
T1278-T1273	100-500	Res	12	≥10	C900	0	5	1998	25	1	4	8	10		1	0	6	11.48
T1280-RC048	500-1000	Res	8	<10	DR-14 BURST	0	5	2015	8	1	2	5	5		1	0	6	4.16
T1282-T1278	100-500	Res	12	≥10	C900	0	5	1998	25	1	4	8	10		1	0	6	11.48
T1282-T1284	100-500	Res	12	≥10	C900	0	5	1998	25	1	4	8	10		1	0	6	11.48
T1283-T1281	500-1000	Res	12	≥10	C900	0	5	1994	29	1	4	5	10		1	0	6	9.38
T1283-T1285	500-1000	Res	12	≥10	C900	0	5	1994	29	1	4	5	10		1	0	6	9.38
T1284-T1281	100-500	Res	12	≥10	C900	0	5	1994	29	1	4	8	10		1	0	6	11.48
T1285-RC048	500-1000	Res	6	<8	C900	0	5	1994	29	1	4	5	1		1	0	6	5.6
T1286-CRS33	0-100	Res	8	<10	C900	0	5	2003	20	2D	2	10	5		1	0	6	6.16
T1288-T1285	500-1000	Res	12	≥10	C900	0	5	1994	29	1	4	5	10		1	0	6	9.38
T1289-T1524	100-500	Res	12	≥10	DIP	350	5	2008	15	2D	2	8	10		1	0	6	6.56
T1290-T1288	500-1000	Res	12	≥10	C900	0	5	1994	29	1	4	5	10		1	0	6	9.38
T1291-T1496	100-500	Res	6	<8	DIP	0	5	2008	15	2D	2	8	1		1	0	6	4.4
T1295-EC107	500-1000	Res	6	<8	AC	0	5	0	0	2D	7	5	1		5	0	6	12.4
T1295-T1296	500-1000	Res	6	<8	AC	0	5	0	0	2D	7	5	1		5	0	6	12.4
T1296-CRS29	500-1000	Res	6	<8	AC	0	5	0	0	2D	7	5	1		5	0	6	12.4
T1298-T1301	500-1000	Res	6	<8	AC	0	5	1967	56	2D	6	5	1		5	0	6	11.2
T1299-CRS29	500-1000	Res	6	<8	AC	0	5	1967	56	2D	6	5	1		5	0	6	11.2
T1300-T1298	500-1000	Res	6	<8	AC	0	5	1967	56	2D	6	5	1		5	0	6	11.2
T1300-T1299	500-1000	Res	6	<8	AC	0	5	1967	56	2D	6	5	1		5	0	6	11.2
T1301-CRS30	1000	Res	6	<8	AC	0	5	1967	56	2D	6	2	1		5	0	6	7
T1302-CRS29	500-1000	Res	6	<8	AC	0	5	1967	56	2D	6	5	1		5	0	6	11.2
T1302-T1305	1000	Res	6	<8	AC	0	5	1967	56	2D	6	2	1		5	0	6	7
T1303-T1304	1000	Res	6	<8	AC	0	5	1967	56	2D	6	2	1		5	0	6	7
T1304-T1307	1000	Res	6	<8	AC	0	5	1967	56	2D	6	2	1		5	0	6	7

T1305-T1300	1000	Res	6	<8	AC	0	5	1967	56	2D	6	2	1		5	0	6	7
T1305-T1303	1000	Res	6	<8	AC	0	5	1967	56	2D	6	2	1		5	0	6	7
T1306-CRS30	1000	Res	6	<8	AC	0	5	1967	56	2D	6	2	1		5	0	6	7
T1308-T1318	1000	Res	8	<10	AC	0	5	0	0	2D	7	2	5		5	0	6	11.47
T1309-T1308	1000	Res	8	<10	AC	0	5	0	0	2D	7	2	5		5	0	6	11.47
T1318-T1316	1000	Res	6	<8	AC	0	5	0	0	2D	7	2	1		5	0	6	7.75
T1320-T1318	1000	Res	6	<8	AC	0	5	0	0	2D	7	2	1		5	0	6	7.75
T1329-T1320	500-1000	Res	8	<10	AC	0	5	0	0	2D	7	5	5		5	0	6	16.12
T1340-T1329	500-1000	Res	8	<10	AC	0	5	0	0	2D	7	5	5		5	0	6	16.12
T1341-GV02623	100-500	Res	6	<8	AC	0	5	0	0	4D	7	8	1		5	0	6	17.05
T1342-T1340	100-500	Res	8	<10	AC	0	5	0	0	2D	7	8	5		5	0	6	20.77
T1344-T1342	100-500	Res	8	<10	AC	0	5	1969	54	2D	6	8	5		5	0	6	18.76
T1345-RDCR122	0-100	Res	8	<10	C900	200	5	2009	14	2D	2	10	5		1	0	6	6.16
T1345-RDCR123	0-100	Res	8	<10	C900	200	5	2009	14	2	2	10	5		1	0	6	6.16
T1346-PRV-3-4	0-100	Res	6	<8	DIP	0	5	1996	27	4	4	10	1		1	0	6	9.1
T1346-T1352	0-100	Res	14	≥10	DIP	0	5	1996	27	5-3	4	10	10		1	0	6	12.88
T1347-T1355	100-500	Res	8	<10	C900	0	5	1995	28	2D	4	8	5		1	0	6	9.38
T1348-T1344	0-100	Res	8	<10	AC	0	5	1969	54	2D	6	10	5		5	0	6	21.56
T1349-T1075	100-500	Res	6	<8	OD_ST	0	5	0	0	2D	7	8	1		10	10	6	50.05
T1349-T1345	0-100	Res	6	<8	OD_ST	0	5	0	0	2D	7	10	1		10	10	6	59.15
T1350-T1348	100-500	Res	8	<10	OD_ST	0	5	0	0	2D	7	8	5		10	10	6	60.97
T1353-RDCR035	500-1000	Res	10	≥10	DIP	350	5	1996	27	4	4	5	10		1	0	6	9.38
T1353-T1346	0-100	Res	14	≥10	DIP	0	5	1996	27	4	4	10	10		1	0	6	12.88
T1354-BND26	100-500	Res	8	<10	C900	0	5	2000	23	2D	4	8	5		1	0	6	9.38
T1354-T1358	500-1000	Res	8	<10	C900	0	5	2000	23	2D	4	5	5		1	0	6	7.28
T1358-T1355	500-1000	Res	8	<10	C900	0	5	1995	28	2D	4	5	5		1	0	6	7.28
T1358-T1411	500-1000	Res	8	<10	C900	0	5	2000	23	2D	4	5	5		1	0	6	7.28
T1359-T1353	500-1000	Res	10	≥10	DIP	0	5	1984	39	4	4	5	10		1	0	6	9.38
T1360-PRV-3-3	1000	Res	8	<10	C900	0	5	1995	28	4	4	2	5		1	0	6	5.18
T1360-T1359	500-1000	Res	10	≥10	DIP	0	5	1984	39	4	4	5	10		1	0	6	9.38
T1361-T1362	1000	Res	8	<10	C900	0	5	1995	28	3	4	2	5		1	0	6	5.18
T1363-RC078	1000	Res	8	<10	C900	0	5	1995	28	3	4	2	5		1	0	6	5.18
T1363-T1362	1000	Res	8	<10	C900	0	5	1995	28	3	4	2	5		1	0	6	5.18
T1364-T1551	1000	Res	10	≥10	DIP	350	5	1984	39	4	4	2	10		1	0	6	7.28
T1364-T1616	1000	Res	10	≥10	DIP	0	5	1984	39	4	4	2	10		1	0	6	7.28
T1365-RDCR037	100-500	Res	10	≥10	DIP	0	5	1999	24	5-3	4	8	10		1	0	6	11.48
T1368-T1124	100-500	Res	10	≥10	DIP	0	5	1984	39	4	4	8	10		1	0	6	11.48
T1370-T0064	500-1000	Res	8	<10	C900	0	5	1995	28	2A	4	5	5		1	0	6	7.28
T1371-T0093	500-1000	Res	8	<10	DIP	0	5	1995	28	2A	4	5	5		1	0	6	7.28
T1371-T0095	500-1000	Res	6	<8	AC	0	5	0	0	1E	7	5	1		5	0	6	12.4
T1371-T0100	500-1000	Res	8	<10	DIP	0	5	1995	28	2A	4	5	5		1	0	6	7.28
T1371-T1372	500-1000	Res	8	<10	DIP		5	1995	28	2A	4	5	5		1	0	6	7.28
T1377-GV02200	100-500	Res	8	<10	DIP	0	5	1995	28	2A	4	8	5		1	0	6	9.38
T1378-T1377	100-500	Res	8	<10	DIP	0	5	1995	28	2A	4	8	5		1	0	6	9.38
T1380-T1381	0-100	Res	8	<10	AC	0	5	1978	45	1	6	10	5		5	0	6	21.56
T1381-T1382	0-100	Res	8	<10	AC	0	5	1978	45	1	6	10	5		5	0	6	21.56
T1382-T0117	0-100	Res	8	<10	AC	0	5	1978	45	1	6	10	5		5	0	6	21.56
T1383-T0114	0-100	Res	8	<10	AC	0	5	0	0	1	7	10	5		5	0	6	23.87
T1389-T0670	0-100	Res	12	≥10	DIP	0	5	1999	24	1	4	10	10		1	0	6	12.88
T1390-T0124	100-500	Res	8	<10	C900	0	5	2004	19	1	2	8	5		1	0	6	5.36
T1394-T0245	100-500	Com	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	10	25.2
T1396-T0702	500-1000	Res	16	≥10	CCP	0	5	1969	54	4	6	5	10		5	0	6	18.76
T1396-T0706	500-1000	Res	14	≥10	AC	0	5	0	0	4	7	5	10		5	0	6	20.77
T1397-CRS12	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T1397-T0497	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T1398-T0195	1000	Res	6	<8	AC	0	5	1969	54	8B	6	2	1		5	0	6	7
T1401-RC044	500-1000	Res	6	<8	C900	0	5	2000	23	6	4	5	1		1	0	6	5.6
T1401-RDCR029	500-1000	Res	6	<8	C900	0	5	2000	23	6	4	5	1		1	0	6	5.6
T1402-T0890	0-100	Res	6	<8	AC	0	5	1977	46	5	6	10	1		5	0	6	18.2
T1404-T1196	500-1000	Res	10	≥10	AC	0	5	1984	39	4	4	5	10		5	0	6	14.74
T1406-T0930	0-100	Res	6	<8	AC	0	5	1969	54	4	6	10	1		5	0	6	18.2
T1407-T1408	500-1000	Res	6	<8	AC	0	5	1969	54	4	6	5	1		5	0	6	11.2
T1407-T1494	500-1000	Res	6	<8	AC	0	5	1969	54	4	6	5	1		5	0	6	11.2
T1408-128-351-01	500-1000	Res	6	<8	C900	0	5	1994	29	4	4	5	1		1	0	6	5.6
T1408-EC75	500-1000	Res	6	<8	AC	0	5	1969	54	3	6	5	1		5	0	6	11.2
T1409-T1570	100-500	Res	10	≥10	AC	0	5	1969	54	4	6	8	10		5	0	6	22.96
T1411-T1084	1000	Res	8	<10	C900	0	5	2000	23	2D	4	2	5		1	0	6	5.18
T1412-GV02096	100-500	Res	12	≥10	DIP	0	5	1986	37	2D	4	8	10		1	0	6	11.48
T1413-EC46	100-500	Res	8	<10	DIP	0	5	2001	22	4	4	8	5		1	0	6	9.38
T1415-T1117	100-500	Res	8	<10	C900	0	5	2004	19	3	2	8	5		1	0	6	5.36
T1420-T1521	0-100	Res	8	<10	DIP	0	5	1998	25	3	4	10	5		1	0	6	10.78
T1421-RC081	1000	Res	8	<10	AC	0	5	0	0	2D	7	2	5		5	0	6	11.47
T1421-T1306	500-1000	Res	8	<10	AC	0	5	0	0	2D	7	5	5		5	0	6	16.12
T1422-T1070	500-1000	Res	12	≥10	DIP	0	5	1986	37	2D	4	5	10		1	0	6	9.38
T1423-PRV-1-7	0-100	Res	12	≥10	DIP	350	5	1986	37	2D	4	10	10		1	0	6	12.88
T1423-T1562	100-500	Res	12	≥10	DIP	0	5	1999	24	2D	4	8	10		1	0	6	11.48

T1424-T1425	100-500	Res	12	≥10	C900	0	5	1992	31	2D	4	8	10		1	0	6	11.48
T1425-T1426	100-500	Res	8	<10	C900	0	5	1993	30	2D	4	8	5		1	0	6	9.38
T1428-T1636	100-500	Res	6	<8	OD_ST	0	5	0	0	2D	7	8	1		10	10	6	50.05
T1430-RC085	100-500	Com	6	<8	DIP	0	5	1990	33	1	4	8	1		1	0	10	8.82
T1430-RDCR104	100-500	Res	8	<10	DIP	0	5	1990	33	1	4	8	5		1	0	6	9.38
T1431-EC85	100-500	Res	8	<10	DIP	0	5	1990	33	1	4	8	5		1	0	6	9.38
T1431-T0997	100-500	Res	12	≥10	DIP	0	5	1990	33	1	4	8	10		1	0	6	11.48
T1434-T0236	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T1435-T0525	100-500	Res	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	6	9.38
T1435-T0527	100-500	Res	8	<10	DIP	0	5	1998	25	1	4	8	5		1	0	6	9.38
T1439-T0827	100-500	Com	8	<10	AC	0	5	0	0	2	7	8	5		5	0	10	23.25
T1443-FIT1423	100-500	Com	6	<8	C900	0	5	2004	19	1	2	8	1		1	0	10	5.04
T1443-T0800	100-500	Com	8	<10	DIP	0	5	2003	20	1	2	8	5		1	0	10	6
T1444-EC92	0-100	Com	6	<8	DIP	0	5	2007	16	1	2	10	1		1	0	10	5.84
T1447-T0544	500-1000	Res	10	≥10	AC	0	5	1978	45	1	6	5	10		5	0	6	18.76
T1447-T0546	500-1000	Res	10	≥10	AC	0	5	1978	45	1	6	5	10		5	0	6	18.76
T1448-T0264	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T1449-CRS18	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T1451-T1406	0-100	Res	6	<8	AC	0	5	0	0	4	7	10	1		5	0	6	20.15
T1461-T0272	500-1000	Res	8	<10	DIP	0	5	1997	26	2	4	5	5		1	0	6	7.28
T1462-PRV-1-5	0-100	Com	10	≥10	DIP	350	5	1990	33	1	4	10	10		1	0	10	14
T1463-RDCR074	100-500	Res	6	<8	AC	0	5	0	0	2	7	8	1		5	0	6	17.05
T1464-T1463	100-500	Res	6	<8	AC	0	5	0	0	2	7	8	1		5	0	6	17.05
T1465-T0284	100-500	Res	12	≥10	DIP	0	5	1986	37	2	4	8	10		1	0	6	11.48
T1465-T0287	0-100	Res	12	≥10	DIP	0	5	1986	37	2	4	10	10		1	0	6	12.88
T1466-T0560	500-1000	Res	8	<10	AC	0	5	1983	40	2	4	5	5		5	0	6	11.44
T1467-T0836	500-1000	Res	12	≥10	AC	0	5	1983	40	2D	4	5	10		5	0	6	14.74
T1467-T0855	100-500	Res	12	≥10	AC	0	5	1983	40	2D	4	8	10		5	0	6	18.04
T1468-CRS16	0-100	Res	8	<10	C900	0	5	2002	21	3	4	10	5		1	0	6	10.78
T1468-T0693	0-100	Res	8	<10	C900	0	5	2002	21	3	4	10	5		1	0	6	10.78
T1469-T0708	0-100	Res	8	<10	C900	0	5	2002	21	3	4	10	5		1	0	6	10.78
T1471-RC031	500-1000	Res	8	<10	C900	0	5	2004	19	2D	2	5	5		1	0	6	4.16
T1471-T1472	500-1000	Res	8	<10	C900	0	5	2004	19	2D	2	5	5		1	0	6	4.16
T1473-T0901	500-1000	Res	8	<10	DIP	0	5	2004	19	3	2	5	5		1	0	6	4.16
T1476-T0863	100-500	Res	8	<10	AC	0	5	1983	40	2D	4	8	5		5	0	6	14.74
T1483-GV01742	500-1000	Res	6	<8	AC	0	5	0	0	2D	7	5	1		5	0	6	12.4
T1488-INTK001	0-100	Res	14	≥10	DIP	0	5	0	0	1F	7	10	10		1	0	6	21.16
T1488-T0046	100-500	Res	10	≥10	CIP	0	5	0	0	1F	7	8	10		5	0	6	25.42
T1489-T1678	0-100	Res	6	<8	AC	0	5	0	0	3	7	10	1		5	0	6	20.15
T1490-T1060	100-500	Res	8	<10	C900	0	5	1998	25	1	4	8	5		1	0	6	9.38
T1491-T1033	0-100	Com	10	≥10	AC	0	5	1980	43	1	6	10	10		5	0	10	28
T1492-T1355	500-1000	Res	8	<10	C900	0	5	1995	28	2D	4	5	5		1	0	6	7.28
T1493-T1639	0-100	Res	10	≥10	CIP	0	5	0	0	1F	7	10	10		5	0	6	28.52
T1494-EC74	500-1000	Res	6	<8	AC	0	5	1969	54	4	6	5	1		5	0	6	11.2
T1496-GV9062	100-500	Res	6	<8	DIP		5	2011	12	2D	2	8	1		1	0	6	4.4
T1497-FITNM604	0-100	Res	8	<10	DIP	0	5	0	0	1F	7	10	5		1	0	6	17.71
T1498-GV1F350	100-500	Res	6	<8	AC	0	5	0	0	1F	7	8	1		5	0	6	17.05
T1499-T0096	1000	Res	6	<8	OD_ST		5		0	3A	7	2	1		10	10	6	22.75
T1500-RC102	0-100	Res	6	<8	C900	0	5	0	0	2	7	10	1		1	0	6	14.95
T1521-RC042	0-100	Res	8	<10	DIP	0	5	1998	25	3	4	10	5		1	0	6	10.78
T1522-T1523	0-100	Res	12	≥10	DIP		5	2008	15	2D	2	10	10		1	0	6	7.36
T1523-RC144	0-100	Res	6	<8	DIP	0	5	2008	15	2D	2	10	1		1	0	6	5.2
T1523-T1289	0-100	Res	12	≥10	DIP	350	5	2008	15	2D	2	10	10		1	0	6	7.36
T1524-MJSS0001	100-500	Res	12	≥10	DIP	350	5	2008	15	2D	2	8	10		1	0	6	6.56
T1524-T1291	100-500	Res	8	<10	DIP		5	2008	15	2D	2	8	5		1	0	6	5.36
T1525-T1091	0-100	Res	12	≥10	AC	0	5	1983	40	2D	4	10	10		5	0	6	20.24
T1535-T1205	100-500	Res	6	<8	AC	0	5	1969	54	4	6	8	1		5	0	6	15.4
T1537-T1499	1000	Res	6	<8	OD_ST	0	5	0	0	3A	7	2	1		10	10	6	22.75
T1540-T1054	0-100	Res	10	≥10	AC	0	5	0	0	1	7	10	10		5	0	6	28.52
T1541-T1540	0-100	Res	10	≥10	AC	0	5	0	0	1	7	10	10		5	0	6	28.52
T1542-T1541	0-100	Res	10	≥10	AC	0	5	0	0	1	7	10	10		5	0	6	28.52
T1544-BND01	100-500	Res	6	<8	DIP	0	5	0	0	1F	7	8	1		1	0	6	12.65
T1544-EC106	500-1000	Res	8	<10	C900	200	5		0	1F	7	5	5		1	0	6	11.96
T1547-T0323	0-100	Res	8	<10	OD_ST	0	5	0	0	1	7	10	5		10	10	6	70.07
T1548-T0322	0-100	Res	8	<10	OD_ST	0	5	0	0	1	7	10	5		10	10	6	70.07
T1548-T1547	0-100	Res	8	<10	OD_ST	0	5	0	0	1	7	10	5		10	10	6	70.07
T1549-T1554	0-100	Res	16	≥10	DIP	350	5	2010	13	5-3	2	10	10		1	0	6	7.36
T1551-T1360	1000	Res	10	≥10	DIP	350	5	1984	39	4	4	2	10		1	0	6	7.28
T1552-FIT1490	100-500	Res	16	≥10	DIP	350	5	2010	13	5-3	2	8	10		1	0	6	6.56
T1552-T1619	100-500	Res	6	<8	DIP		5		0	5-3	7	8	1		1	0	6	12.65
T1553-T1552	100-500	Res	16	≥10	DIP	350	5	2010	13	5-3	2	8	10		1	0	6	6.56
T1554-1621	0-100	Res	6	<8	DIP		5		0	5-3	7	10	1		1	0	6	14.95
T1554-T1553	100-500	Res	16	≥10	DIP	350	5	2010	13	5-3	2	8	10		1	0	6	6.56
T1559-EC42	100-500	Res	12	≥10	DIP	0	5	1999	24	1	4	8	10		1	0	6	11.48

T1559-T1567	100-500	Res	12	≥10	DIP		5	2011	12	1	2	8	10		1	0	6	6.56
T1561-T1563	500-1000	Com	12	≥10	DIP		5	2009	14	2D	2	5	10		1	0	10	6
T1562-RDCR134	100-500	Res	12	≥10	DIP	0	5	1999	24	2D	4	8	10		1	0	6	11.48
T1563-T1562	100-500	Com	12	≥10	DIP		5	2010	13	2D	2	8	10		1	0	10	7.2
T1564-RDCR130	100-500	Res	10	≥10	C900	0	5	1998	25	1	4	8	10		1	0	6	11.48
T1566-T1561	500-1000	Res	12	≥10	DIP		5	2011	12	2D	2	5	10		1	0	6	5.36
T1567-T1050	100-500	Res	12	≥10	DIP		5	2011	12	1	2	8	10		1	0	6	6.56
T1569-RDCR006	100-500	Res	8	<10	DIP	0	5	1995	28	1E	4	8	5		1	0	6	9.38
T1570-131-012-07A	100-500	Res	10	≥10	AC	0	5	1969	54	3	6	8	10		5	0	6	22.96
T1571-T1572	100-500	Com	8	<10	AC		5		0	1	7	8	5		5	0	10	23.25
T1572-T1603	100-500	Com	8	<10	DR-14 BURST	0	5	2015	8	1	2	8	5		1	0	10	6
T1573-EC111	100-500	Res	6	<8	AC		5		0	1E	7	8	1		5	0	6	17.05
T1573-GV1E113	100-500	Res	6	<8	AC	0	5	0	0	1E	7	8	1		5	0	6	17.05
T1574-T1573	100-500	Res	6	<8	AC	0	5	0	0	1E	7	8	1		5	0	6	17.05
T1574-T1575	100-500	Res	6	<8	AC		5		0	1E	7	8	1		5	0	6	17.05
T1575-T0095	500-1000	Res	6	<8	AC	0	5	0	0	1E	7	5	1		5	0	6	12.4
T1576-T0586	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
T1576-T1577	500-1000	Res	6	<8	AC		5		0	5B	7	5	1		5	0	6	12.4
T1577-T0586	500-1000	Res	14	≥10	AC	0	5	0	0	5B	7	5	10		5	0	6	20.77
T1580-T1111	100-500	Res	8	<10	DR-14		5	2013	10	3	2	8	5		1	0	6	5.36
T1582-T1585	100-500	Res	8	<10	DR-14		5	2013	10	1	2	8	5		1	0	6	5.36
T1583-T0127	100-500	Res	8	<10	DR-14		5	2013	10	1	2	8	5		1	0	6	5.36
T1584-T0132	500-1000	Res	8	<10	DR-14		5	2013	10	1	2	5	5		1	0	6	4.16
T1585-MJSS0007	100-500	Res	6	<8	DR-14	0	5	2013	10	1	2	8	1		1	0	6	4.4
T1585-T0126	0-100	Res	8	<10	DR-14		5	2013	10	1	2	10	5		1	0	6	6.16
T1586-GV01969	100-500	Com	8	<10	AC	0	5	1970	53	1	6	8	5		5	0	10	21
T1586-T1035	100-500	Com	6	<8	C900		5		0	1	7	8	1		1	0	10	14.49
T1588-T0624	500-1000	Res	8	<10	AC	0	5	1969	54	6C	6	5	5		5	0	6	14.56
T1588-T0654	500-1000	Res	6	<8	AC	0	5	1969	54	6C	6	5	1		5	0	6	11.2
T1590-T1245	0-100	Res	8	<10	AC	0	5	0	0	1	7	10	5		5	0	6	23.87
T1592-T1595	100-500	Com	8	<10	DR-14		5	2013	10	1	2	8	5		1	0	10	6
T1593-T1592	100-500	Com	8	<10	DR-14		5	2013	10	1	2	8	5		1	0	10	6
T1594-T1597	100-500	Com	8	<10	DR-14		5	2013	10	1	2	8	5		1	0	10	6
T1595-RC129	100-500	Com	8	<10	DR-14	0	5	2013	10	1	2	8	5		1	0	10	6
T1595-T1594	100-500	Com	8	<10	DR-14		5	2013	10	1	2	8	5		1	0	10	6
T1596-T0768	0-100	Com	8	<10	DR-14		5	2013	10	1	2	10	5		1	0	10	6.8
T1597-BND97	100-500	Res	8	<10	DR-14		5	2013	10	1	2	8	5		1	0	6	5.36
T1599-BND98	0-100	Res	8	<10	DR-14		5	2013	10	1	2	10	5		1	0	6	6.16
T1600-T0990	500-1000	Res	8	<10	DIP	0	5	1990	33	1	4	5	5		1	0	6	7.28
T1601-BND101	100-500	Com	8	<10	DR-14	0	5	2015	8	1	2	8	5		1	0	10	6
T1602-T1601	100-500	Com	8	<10	DR-14 BURST	0	5	2015	8	1	2	8	5		1	0	10	6
T1603-T1604	100-500	Com	8	<10	DR-14 BURST	0	5	2015	8	1	2	8	5		1	0	10	6
T1604-HT010	100-500	Com	8	<10	DR-14 BURST	0	5	2015	8	1	2	8	5		1	0	10	6
T1605-T1606	100-500	Com	8	<10	DR-14 BURST	0	5	2015	8	1	2	8	5		1	0	10	6
T1606-T1572	100-500	Com	8	<10	DR-14 BURST	0	5	2015	8	1	2	8	5		1	0	10	6
T1607-T0803	100-500	Com	8	<10	DR-14 BURST	0	5	2015	8	1	2	8	5		1	0	10	6
T1609-T1607	100-500	Com	8	<10	DR-14	0	5	0	0	1	7	8	5		1	0	10	17.25
T1610-EC102	500-1000	Res	6	<8	AC	0	5	1969	54	6	6	5	1		5	0	6	11.2
T1616-T1368	500-1000	Res	10	≥10	DIP	0	5	1984	39	4	4	5	10		1	0	6	9.38
T1617-T0778	100-500	Com	6	<8	AC	0	5	0	0	1	7	8	1		5	0	10	19.53
T1617-T1618	100-500	Res	6	<8	OD_ST	0	5	0	0	1	7	8	1		10	10	6	50.05
T1618-T0764	100-500	Res	6	<8	OD_ST	0	5	0	0	1	7	8	1		10	10	6	50.05
T1619-FIT1491	100-500	Res	6	<8	DIP		5		0	5-3	7	8	1		1	0	6	12.65
T1620-FIT1527	0-100	Res	6	<8	DIP		5		0	5-3	7	10	1		1	0	6	14.95
T1621-T1620	0-100	Res	6	<8	DIP		5		0	5-3	7	10	1		1	0	6	14.95
T1624-T1626	0-100	Res	8	<10	DR-14		5	2014	9	3	2	10	5		1	0	6	6.16
T1625-PRV-2-1	0-100	Res	8	<10	DR-14		5	2014	9	2	2	10	5		1	0	6	6.16
T1625-RC069	100-500	Res	8	<10	DR-14		5	2014	9	2	2	8	5		1	0	6	5.36
T1626-MJSS0013	100-500	Res	8	<10	DR-14		5	2014	9	2	2	8	5		1	0	6	5.36
T1627-T1428	100-500	Res	6	<8	OD_ST	0	5	0	0	2D	7	8	1		10	10	6	50.05
T1628-T0071	500-1000	Res	8	<10	C900	0	5	1995	28	2A	4	5	5		1	0	6	7.28
T1628-T1495	500-1000	Res	8	<10	DR-14		5	2015	8	2A	2	5	5		1	0	6	4.16
T1634-T1627	500-1000	Res	6	<8	OD_ST	0	5	0	0	2D	7	5	1		10	10	6	36.4
T1636-RC083	100-500	Res	6	<8	OD_ST	0	5	0	0	2D	7	8	1		10	10	6	50.05
T1638-T0769	100-500	Com	8	<10	AC	0	5	0	0	1	7	8	5		5	0	10	23.25
T1639-T0047	0-100	Res	10	≥10	CIP	0	5	0	0	1F	7	10	10		5	0	6	28.52
T1639-T0048	0-100	Res	8	<10	CIP	0	5	0	0	1F	7	10	5		5	0	6	23.87
T1639-T1497	0-100	Res	8	<10	DIP	0	5	0	0	1F	7	10	5		1	0	6	17.71
T1642-T1643	500-1000	Res	10	≥10	LDED WRAPPED ST	0	5	1992	31	5-3	4	5	10		10	10	6	54.94
T1643-126-010-60SNMAG	500-1000	Res	10	≥10	LDED WRAPPED STEEL		5		0	5-3	7	5	10		10	10	6	60.97
T1643-R5-3B	500-1000	Res	10	≥10	LDED WRAPPED ST	0	5	1992	31	5-3	4	5	10		10	10	6	54.94
T1645-T1206	100-500	Res	10	≥10	AC	0	5	0	0	4	7	8	10		5	0	6	25.42
T1646-T1087	0-100	Res	12	≥10	AC	0	5	1983	40	2D	4	10	10		5	0	6	20.24
T1657-T1024	0-100	Com	10	≥10	AC	0	5	1980	43	1	6	10	10		5	0	10	28

T1658-WPS 6-1	100-500	Res	12	≥10	AC	0	5	1969	54	6	6	8	10		5	0	6	22.96
T1659-T1660	100-500	Res	8	<10	C900		5	2007	16	3	2	8	5		1	0	6	5.36
T1660-T1662	100-500	Res	8	<10	C900		5	2007	16	3	2	8	5		1	0	6	5.36
T1661-T1665	100-500	Res	8	<10	C900		5	2007	16	3	2	8	5		1	0	6	5.36
T1662-T1661	100-500	Res	8	<10	C900		5	2007	16	3	2	8	5		1	0	6	5.36
T1663-T1664	100-500	Res	8	<10	C900		5	2007	16	3	2	8	5		1	0	6	5.36
T1664-T1668	100-500	Res	8	<10	C900		5	2007	16	3	2	8	5		1	0	6	5.36
T1665-T1663	100-500	Res	8	<10	C900		5	2007	16	3	2	8	5		1	0	6	5.36
T1666-T1663	100-500	Res	8	<10	C900		5	2007	16	3	2	8	5		1	0	6	5.36
T1667-T1659	100-500	Res	8	<10	C900		5	2007	16	3	2	8	5		1	0	6	5.36
T1668-EC124	100-500	Res	6	<8	C900		5	2007	16	3	2	8	1		1	0	6	4.4
T1668-T1667	100-500	Res	8	<10	C900		5	2007	16	3	2	8	5		1	0	6	5.36
T1669-T0900	0-100	Res	8	<10	AC	0	5	1976	47	3	6	10	5		5	0	6	21.56
T1669-T1666	0-100	Res	8	<10	C900		5	2007	16	3	2	10	5		1	0	6	6.16
T1670-T1662	0-100	Res	8	<10	DR-14		5	2016	7	3	2	10	5		1	0	6	6.16
T1671-T1670	0-100	Res	8	<10	DR-14		5	2016	7	3	2	10	5		1	0	6	6.16
T1678-T0910	0-100	Res	6	<8	AC	0	5	0	0	3	7	10	1		5	0	6	20.15
T1679-T1489	100-500	Res	6	<8	AC	0	5	0	0	3	7	8	1		5	0	6	17.05
T1679-T1680	100-500	Res	6	<8	AC	0	5	1973	50	3	6	8	1		5	0	6	15.4
T1680-T0730	100-500	Res	6	<8	AC		5	1073	950	3	FALSE	8	1		5	0	6	5.5
T1681-CRS22	0-100	Res	6	<8	AC	0	5	1969	54	3	6	10	1		5	0	6	18.2
T1682-130-312-30B	100-500	Res	8	<10	DIP		5	2018	5	1	2	8	5		1	0	6	5.36
T1684-T0042	100-500	Res	10	≥10	CIP	0	5	1973	50	1F	6	8	10		5	0	6	22.96
T1686-T1688	100-500	Com	6	<8	DR-14		5	2018	5	1	2	8	1		1	0	10	5.04
T1687-T1039	100-500	Com	8	<10	AC	0	5	1970	53	1	6	8	5		5	0	10	21
T1688-BND114	100-500	Com	6	<8	DR-14		5	2018	5	1	2	8	1		1	0	10	5.04
T1688-BND115	100-500	Com	6	<8	DIP		5	2018	5	1	2	8	1		1	0	10	5.04
T1690-T1691	1000	Res	6	<8	C900	0	5	1994	29	2A	4	2	1		1	0	6	3.5
T1691-RDCR147	500-1000	Res	6	<8	C900	0	5	1994	29	2A	4	5	1		1	0	6	5.6
T1693-T0013	1000	Res	8	<10	DIP	0	5	0	0	1F	7	2	5		1	0	6	8.51
T1693-T1694	1000	Res	8	<10	DIP	0	5	0	0	1F	7	2	5		1	0	6	8.51
T1694-T1693	1000	Res	8	<10	DIP		5		0	1F	7	2	5		1	0	6	8.51
T1698-BV-015	100-500	Res	6	<8	DIP	0	5	1990	33	1	4	8	1		1	0	6	7.7
T1699-CRS19	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T1700-T1699	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T1701-T0235	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T1702-T0243	100-500	Res	10	≥10	AC	0	5	1978	45	1	6	8	10		5	0	6	22.96
T1710-FH-888	500-1000	Res	6	<8	C900		5	2014	9	2	2	5	1		1	0	6	3.2
T1710-WS-ARV-071	500-1000	Res	8	<10	C900		5	2014	9	2	2	5	5		1	0	6	4.16
T1711-BND118	500-1000	Res	8	<10	C900	0	5	0	0	2	7	5	5		1	0	6	11.96
T1711-T1710	500-1000	Res	8	<10	C900		5	2014	9	2	2	5	5		1	0	6	4.16
T1712-WS-ARV-018	500-1000	Res	12	≥10	DIP	0	5	0	0	2	7	5	10		1	0	6	15.41
T1713-T0378	0-100	Res	10	≥10	AC	0	5	1978	45	1	6	10	10		5	0	6	25.76
T1715-RC120	500-1000	Com	8	<10	AC	0	5	1978	45	1	6	5	5		5	0	10	16.8
T1716-FCA013	100-500	Res	8	<10	DR-14		5	2022	1	1	2	8	5		1	0	6	5.36
T1716-FH-889	100-500	Res	6	<8	DR-14		5	2022	1	1	2	8	1		1	0	6	4.4
T1717-BV-030	100-500	Res	8	<10	DR-14		5	2022	1	1	2	8	5		1	0	6	5.36
T1717-T1716	100-500	Res	8	<10	DR-14		5	2022	1	1	2	8	5		1	0	6	5.36
T1718-T0355	0-100	Res	12	≥10	DIP	0	5	1999	24	1	4	10	10		1	0	6	12.88
WPS 6-1-T0959	100-500	Res	14	≥10	AC	0	5	1969	54	5	6	8	10		5	0	6	22.96
WS-ARV-018-T0221	100-500	Res	12	≥10	DIP	0	5	1985	38	2	4	8	10		1	0	6	11.48
WS-ARV-019-SDL1348	100-500	Res	6	<8	AC	0	5	0	0	2	7	8	1		5	0	6	17.05
ZV2-1-1-T0336	100-500	Res	10	≥10	DIP	0	5	1988	35	2	4	8	10		1	0	6	11.48
ZV2-1-2-T0555	500-1000	Res	8	<10	DIP	0	5	1988	35	2	4	5	5		1	0	6	7.28
ZV2-1-3-T1275	0-100	Res	12	≥10	DIP	0	5	1996	27	1	4	10	10		1	0	6	12.88
ZV2-2-1-T0572	500-1000	Res	18	≥10	OD_ST	0	5	0	0	2	7	5	10		10	10	6	60.97
ZV2-2-2-BND15	500-1000	Res	12	≥10	DIP	0	5	1990	33	2	4	5	10		1	0	6	9.38
ZV2-2-3-T0513	0-100	Res	14	≥10	DIP	0	5	1994	29	1	4	10	10		1	0	6	12.88
ZV2-2-4-T0510	100-500	Res	12	≥10	DIP	0	5	1994	29	1	4	8	10		1	0	6	11.48
ZV3-2-1-T0688	500-1000	Res	8	<10	AC	0	5	1983	40	3	4	5	5		5	0	6	11.44
ZV3-2-2-T0301	100-500	Res	8	<10	C900		5	2009	14	3	2	8	5		1	0	6	5.36
ZV3-2-3-RDCR016	0-100	Res	6	<8	DIP	0	5	2004	19	2D	2	10	1		1	0	6	5.2
ZV3-2-4-T1114	0-100	Res	8	<10	AC	0	5	1981	42	2D	6	10	5		5	0	6	21.56
ZV3-2-6-T0345	100-500	Res	8	<10	AC	0	5	1969	54	2	6	8	5		5	0	6	18.76
ZV3-2-7-T0294	100-500	Res	8	<10	C900	0	5	1994	29	3	4	8	5		1	0	6	9.38
ZV3A-1F-1-T0059	0-100	Res	10	≥10	AC	0	5	0	0	3A	7	10	10		5	0	6	28.52
ZV3B-3-2-T0153	500-1000	Res	8	<10	C900	200	5	1996	27	3	4	5	5		1	0	6	7.28
ZV4-2-1-R2-2	100-500	Res	10	≥10	DIP	0	5	1996	27	2D	4	8	10		1	0	6	11.48
ZV4-3-1-RDCR027	100-500	Res	8	<10	DIP	0	5	1997	26	3	4	8	5		1	0	6	9.38
ZV4-3-2-RC041	500-1000	Res	6	<8	C900	150	5	1992	31	3	4	5	1		1	0	6	5.6
ZV4-3-3-T1130	100-500	Res	8	<10	DIP	0	5	2001	22	4	4	8	5		1	0	6	9.38
ZV5B-4-1-T0710	500-1000	Res	6	<8	AC	0	5	1969	54	5B	6	5	1		5	0	6	11.2
ZV6C-5C-1-CRS31	100-500	Res	8	<10	AC	0	5	1969	54	5C	6	8	5		5	0	6	18.76
ZV-INACTIVE-T0452	100-500	Res	6	<8	DIP	0	5	0	0	3	7	8	1		1	0	6	12.65

APPENDIX B:
HYDRAULIC GRADE LINE FIGURE

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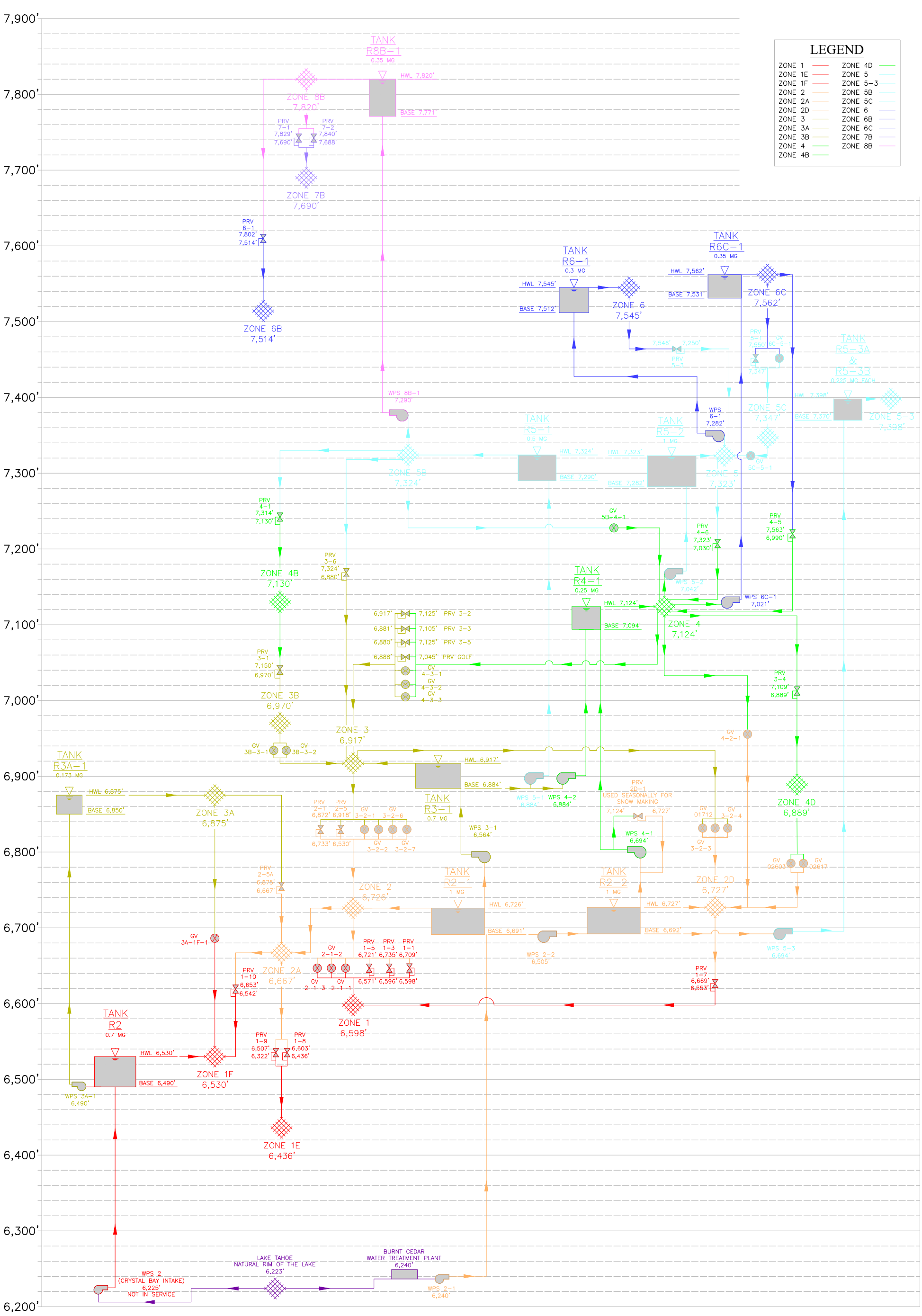
P:\Client Projects\Incline Village GID 254\2444 Water, Sewer, and SCADA Master Plan\5.0 Drawings\5.6 Sheet Files\2444_WATER_HGL_PROFILE.dwg PLOT DATE 2023-12-13 10:36 SAVED DATE 2023-12-13 10:35 USER: djones



*PRVS, BPS, AND GATE VALVES ARE NOT SHOWN AT ACCURATE ELEVATIONS
**TANKS AND PRESSURE ZONES ARE SHOWN AT ACCURATE ELEVATIONS

SHEET 1 OF 1

DRAWN ##
DESIGNED ##
DATE 04/06/2023
PROJECT 2444

INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT
WATER SYSTEM MASTER PLAN

WATER SYSTEM HGL PROFILE

WASHOE COUNTY, NEVADA

DOWL
WWW.DOWL.COM
5510 Longley Lane
Reno, Nevada 89511
775-851-4788

REVISIONS

REV	DATE	DESCRIPTION	BY

APPENDIX C:
CAPACITY CALCULATIONS

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DOWL

Incline Village Water Facilities Master Plan
Incline Village Storage & Supply Calculations

Sizing Analysis Scenarios

1. MDD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage
2. PHD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage

Demand Data

		Demands (gpm)		
		ADD	MDD	PHD
Existing EDUs	10,930	1,749	3,710	8,947
Buildout EDUs	341	55	116	279
Total	11,271	1,803	3,826	9,226

Total Supply

Well	Pump Capacity (gpm)
WPS 2	0
WPS 2-1	8,300
Total	8,300
Total w/ Largest out of Service	0

Fire Flow Demand

	Flow (gpm)	Duration (hr)	Volume (gal)
Fire Demand (gpm)	3,000	3	540,000

Tank Storage Volume (gal)

R2	700,000
R2-1	1,000,000
R2-2	1,000,000
R3-1	700,000
R3A-1	173,000
R4-1	250,000
R5-2	1,000,000
R5-1	500,000
R5-3A	225,000
R5-3B	225,000
R6-1	300,000
R6C-1	350,000
R8B-1	350,000
Total	6,773,000

Table 1. Existing Conditions

	MDD + Fire w/ all sources		PHD + Fire w/ all sources	
Storage Type	Storage Requirement (gal)	Storage Balance (gal)	Storage Requirement (gal)	Storage Balance (gal)
Full Tank		6,773,000		6,773,000
Supply		6,609,360		-932,172
Daily Capacity		13,382,360		5,840,828
Fire Storage	540,000	12,842,360	540,000	5,300,828
Operating Storage	2,518,241	10,324,118	2,518,241	2,782,587
Emergency Storage	1,888,681	8,435,438	1,888,681	893,906

Table 2. Buildout Conditions

	MDD + Fire w/ all sources		PHD + Fire w/ all sources	
Storage Type	Storage Requirement (gal)	Storage Balance (gal)	Storage Requirement (gal)	Storage Balance (gal)
Full Tank		6,773,000		6,773,000
Supply		6,442,698		-1,334,089
Daily Capacity		13,215,698		5,438,911
Fire Storage	540,000	12,675,698	540,000	4,898,911
Operating Storage	2,596,797	10,078,901	2,596,797	2,302,114
Emergency Storage	1,947,598	8,131,303	1,947,598	354,516

DOWL

Incline Village Water Facilities Master Plan
Crystal Bay (Pressure Zone 1E, 1F, 2A, and 3A) Storage & Supply Calculations

Sizing Analysis Scenarios

1. MDD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage
2. PHD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage

Demand Data

		Demands (gpm)		
		ADD	MDD	PHD
Existing EDUs	392	63	133	321
Buildout EDUs	54	9	18	45
Total	446	71	151	365

Total Supply

Source of Supply	Capacity (gpm)
Crystal Bay Transmission Main[1]	1,960
Total	1,960
Total w/ Largest out of Service	0

Fire Flow Demand

	Flow (gpm)	Duration (hr)	Volume (gal)
Fire Demand (gpm)	3,000	3	540,000

Tank Storage Volume (gal)

R2	700,000
R3A-1	173,000
Total	873,000

Table 1. Existing Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		873,000		873,000
Supply		2,630,919		2,360,629
Daily Capacity		3,503,919		3,233,629
Fire Storage	540,000	2,963,919	540,000	2,693,629
Operating Storage	90,254	2,873,664	90,254	2,603,374
Emergency Storage	67,691	2,805,974	67,691	2,535,684

Table 2. Buildout Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		873,000		873,000
Supply		2,604,279		2,296,386
Daily Capacity		3,477,279		3,169,386
Fire Storage	540,000	2,937,279	540,000	2,629,386
Operating Storage	102,811	2,834,469	102,811	2,526,575
Emergency Storage	77,108	2,757,361	77,108	2,449,467

[1] Maximum pipe capacity while maintaining a velocity < 8 ft/s

DOWL

Incline Village Water Facilities Master Plan
Pressure Zone 1, 2, and 2D Storage & Supply Calculations

Sizing Analysis Scenarios

1. MDD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage
2. PHD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage

Demand Data

		Demands (gpm)		
		ADD	MDD	PHD
Existing EDUs	6,833	1,093	2,320	5,594
Buildout EDUs	165	26	56	135
Total	6,998	1,120	2,375	5,728

Total Supply

Well	Pump Capacity (gpm)
WPS 2-1	8,300
Total	8,300
Total w/ Largest out of Service	0

Fire Flow Demand

	Flow (gpm)	Duration (hr)	Volume (gal)
Fire Demand (gpm)	3,000	3	540,000

Tank Storage Volume (gal)

R2-1	1,000,000
R2-2	1,000,000
Total	2,000,000

Table 1. Existing Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		2,000,000		2,000,000
Supply		8,611,898		3,897,096
Daily Capacity		10,611,898		5,897,096
Fire Storage	540,000	10,071,898	540,000	5,357,096
Operating Storage	1,574,350	8,497,548	1,574,350	3,782,747
Emergency Storage	1,180,762	7,316,786	1,180,762	2,601,985

Table 2. Buildout Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		2,000,000		2,000,000
Supply		8,531,433		3,703,049
Daily Capacity		10,531,433		5,703,049
Fire Storage	540,000	9,991,433	540,000	5,163,049
Operating Storage	1,612,277	8,379,156	1,612,277	3,550,773
Emergency Storage	1,209,207	7,169,949	1,209,207	2,341,565

Incline Village Water Facilities Master Plan
Pressure Zone 5-3 Storage & Supply Calculations

Sizing Analysis Scenarios

1. MDD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage
2. PHD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage

Demand Data

		Demands (gpm)		
		ADD	MDD	PHD
Existing EDUs	673	108	229	551
Buildout EDUs	18	3	6	15
Total	691	111	235	566

Total Supply

Well	Pump Capacity (gpm)
WPS 5-3	3,200
Total	3,200
Total w/ Largest out of Service	0

Fire Flow Demand

	Flow (gpm)	Duration (hr)	Volume (gal)
Fire Demand (gpm)	3,000	3	540,000

Tank Storage Volume (gal)

R5-3A	225,000
R5-3B	225,000
Total	450,000

Table 1. Existing Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		450,000		450,000
Supply		4,278,835		3,814,195
Daily Capacity		4,728,835		4,264,195
Fire Storage	540,000	4,188,835	540,000	3,724,195
Operating Storage	155,151	4,033,684	155,151	3,569,043
Emergency Storage	116,363	3,917,321	116,363	3,452,680

Table 2. Buildout Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		450,000		450,000
Supply		4,270,114		3,793,164
Daily Capacity		4,720,114		4,243,164
Fire Storage	540,000	4,180,114	540,000	3,703,164
Operating Storage	159,262	4,020,853	159,262	3,543,902
Emergency Storage	119,446	3,901,407	119,446	3,424,456

DOWL

Incline Village Water Facilities Master Plan
Pressure Zone 3 Storage & Supply Calculations

Sizing Analysis Scenarios

1. MDD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage
2. PHD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage

Demand Data

		Demands (gpm)		
		ADD	MDD	PHD
Existing EDUs	1,461	234	496	1,196
Buildout EDUs	12	2	4	10
Total	1,472	236	500	1,205

Total Supply

Well	Pump Capacity (gpm)
WPS 3-1	5,400
Total	5,400
Total w/ Largest out of Service	0

Fire Flow Demand

	Flow (gpm)	Duration (hr)	Volume (gal)
Fire Demand (gpm)	3,000	3	540,000

Tank Storage Volume (gal)

R3-1	700,000
Total	700,000

Table 1. Existing Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		700,000		700,000
Supply		7,062,071		6,054,308
Daily Capacity		7,762,071		6,754,308
Fire Storage	540,000	7,222,071	540,000	6,214,308
Operating Storage	336,509	6,885,563	336,509	5,877,799
Emergency Storage	252,382	6,633,181	252,382	5,625,418

Table 2. Buildout Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		700,000		700,000
Supply		7,056,259		6,040,290
Daily Capacity		7,756,259		6,740,290
Fire Storage	540,000	7,216,259	540,000	6,200,290
Operating Storage	339,248	6,877,010	339,248	5,861,042
Emergency Storage	254,436	6,622,574	254,436	5,606,606

DOWL

Incline Village Water Facilities Master Plan
Pressure Zone 4 and 4D Storage & Supply Calculations

Sizing Analysis Scenarios

1. MDD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage
2. PHD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage

Demand Data

		Demands (gpm)		
		ADD	MDD	PHD
Existing EDUs	635	102	216	520
Buildout EDUs	19	3	6	15
Total	654	105	222	536

Total Supply

Well	Pump Capacity (gpm)
WPS 4-1	500
WPS 4-2	4,500
Total	5,000
Total w/ Largest out of Service	500

Fire Flow Demand

	Flow (gpm)	Duration (hr)	Volume (gal)
Fire Demand (gpm)	3,000	3	540,000

Tank Storage Volume (gal)

R4-1	250,000
Total	250,000

Table 1. Existing Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		250,000		250,000
Supply		6,889,378		6,450,912
Daily Capacity		7,139,378		6,700,912
Fire Storage	540,000	6,599,378	540,000	6,160,912
Operating Storage	146,411	6,452,967	146,411	6,014,501
Emergency Storage	109,808	6,343,159	109,808	5,904,693

Table 2. Buildout Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		250,000		250,000
Supply		6,880,177		6,428,722
Daily Capacity		7,130,177		6,678,722
Fire Storage	540,000	6,590,177	540,000	6,138,722
Operating Storage	150,748	6,439,429	150,748	5,987,974
Emergency Storage	113,061	6,326,368	113,061	5,874,913

DOWL

Incline Village Water Facilities Master Plan
Pressure Zone 5 Storage & Supply Calculations

Sizing Analysis Scenarios

1. MDD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage
2. PHD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage

Demand Data

		Demands (gpm)		
		ADD	MDD	PHD
Existing EDUs	186	30	63	152
Buildout EDUs	2	0	1	2
Total	188	30	64	154

Total Supply

Well	Pump Capacity (gpm)
WPS 5-2	3,050
Total	3,050
Total w/ Largest out of Service	0

Fire Flow Demand

	Flow (gpm)	Duration (hr)	Volume (gal)
Fire Demand (gpm)	3,000	3	540,000

Tank Storage Volume (gal)

R5-2	1,000,000
Total	1,000,000

Table 1. Existing Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		1,000,000		1,000,000
Supply		4,301,205		4,173,041
Daily Capacity		5,301,205		5,173,041
Fire Storage	540,000	4,761,205	540,000	4,633,041
Operating Storage	42,796	4,718,409	42,796	4,590,245
Emergency Storage	32,097	4,686,312	32,097	4,558,148

Table 2. Buildout Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		1,000,000		1,000,000
Supply		4,300,237		4,170,706
Daily Capacity		5,300,237		5,170,706
Fire Storage	540,000	4,760,237	540,000	4,630,706
Operating Storage	43,252	4,716,985	43,252	4,587,454
Emergency Storage	32,439	4,684,545	32,439	4,555,015

DOWL

Incline Village Water Facilities Master Plan
Pressure Zone 3B, 4B, 5B, and 5B-4 Storage & Supply Calculations

Sizing Analysis Scenarios

1. MDD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage
2. PHD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage

Demand Data

		Demands (gpm)		
		ADD	MDD	PHD
Existing EDUs	272	44	92	223
Buildout EDUs	9	1	3	7
Total	281	45	95	230

Total Supply

Well	Pump Capacity (gpm)
WPS 5-1	2,100
Total	2,100
Total w/ Largest out of Service	0

Fire Flow Demand

	Flow (gpm)	Duration (hr)	Volume (gal)
Fire Demand (gpm)	3,000	3	540,000

Tank Storage Volume (gal)

R5-1	500,000
Total	500,000

Table 1. Existing Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		500,000		500,000
Supply		2,890,893		2,703,003
Daily Capacity		3,390,893		3,203,003
Fire Storage	540,000	2,850,893	540,000	2,663,003
Operating Storage	62,740	2,788,154	62,740	2,600,263
Emergency Storage	47,055	2,741,099	47,055	2,553,209

Table 2. Buildout Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		500,000		500,000
Supply		2,886,536		2,692,496
Daily Capacity		3,386,536		3,192,496
Fire Storage	540,000	2,846,536	540,000	2,652,496
Operating Storage	64,793	2,781,743	64,793	2,587,703
Emergency Storage	48,595	2,733,148	48,595	2,539,108

DOWL

Incline Village Water Facilities Master Plan
Pressure Zone 5C and 6C Storage & Supply Calculations

Sizing Analysis Scenarios

1. MDD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage
2. PHD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage

Demand Data

		Demands (gpm)		
		ADD	MDD	PHD
Existing EDUs	85	14	29	70
Buildout EDUs	3	0	1	2
Total	88	14	30	72

Total Supply

Well	Pump Capacity (gpm)
WPS 6C-1	600
Total	600
Total w/ Largest out of Service	0

Fire Flow Demand

	Flow (gpm)	Duration (hr)	Volume (gal)
Fire Demand (gpm)	3,000	3	540,000

Tank Storage Volume (gal)

R6C-1	350,000
Total	350,000

Table 1. Existing Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		350,000		350,000
Supply		822,456		763,813
Daily Capacity		1,172,456		1,113,813
Fire Storage	540,000	632,456	540,000	573,813
Operating Storage	19,582	612,874	19,582	554,231
Emergency Storage	14,686	598,188	14,686	539,545

Table 2. Buildout Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		350,000		350,000
Supply		821,003		760,311
Daily Capacity		1,171,003		1,110,311
Fire Storage	540,000	631,003	540,000	570,311
Operating Storage	20,266	610,737	20,266	550,044
Emergency Storage	15,200	595,537	15,200	534,845

DOWL

Incline Village Water Facilities Master Plan
Pressure Zone 6 Storage & Supply Calculations

Sizing Analysis Scenarios

1. MDD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage
2. PHD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage

Demand Data

		Demands (gpm)		
		ADD	MDD	PHD
Existing EDUs	213	34	72	175
Buildout EDUs	11	2	4	9
Total	224	36	76	184

Total Supply

Well	Pump Capacity (gpm)
WPS 6-1	2,550
Total	2,550
Total w/ Largest out of Service	0

Fire Flow Demand

	Flow (gpm)	Duration (hr)	Volume (gal)
Fire Demand (gpm)	3,000	3	540,000

Tank Storage Volume (gal)

R6-1	300,000
Total	300,000

Table 1. Existing Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		300,000		300,000
Supply		3,567,682		3,420,429
Daily Capacity		3,867,682		3,720,429
Fire Storage	540,000	3,327,682	540,000	3,180,429
Operating Storage	49,170	3,278,512	49,170	3,131,259
Emergency Storage	36,878	3,241,634	36,878	3,094,381

Table 2. Buildout Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		300,000		300,000
Supply		3,562,357		3,407,587
Daily Capacity		3,862,357		3,707,587
Fire Storage	540,000	3,322,357	540,000	3,167,587
Operating Storage	51,680	3,270,677	51,680	3,115,907
Emergency Storage	38,760	3,231,917	38,760	3,077,147

DOWL

Incline Village Water Facilities Master Plan
Pressure Zone 6B, 7B, and 8B Storage & Supply Calculations

Sizing Analysis Scenarios

1. MDD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage
2. PHD + Fire Flow with all supply facilities operational
   a. Operating Storage = 100% of Average Day Demand
   b. Emergency Storage = 75% Operating Storage

Demand Data

		Demands (gpm)		
		ADD	MDD	PHD
Existing EDUs	179	29	61	147
Buildout EDUs	49	8	16	40
Total	228	36	77	186

Total Supply

Well	Pump Capacity (gpm)
WPS 8B-1	600
Total	600
Total w/ Largest out of Service	0

Fire Flow Demand

	Flow (gpm)	Duration (hr)	Volume (gal)
Fire Demand (gpm)	3,000	3	540,000

Tank Storage Volume (gal)

R8B-1	350,000
Total	350,000

Table 1. Existing Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		350,000		350,000
Supply		776,423		652,803
Daily Capacity		1,126,423		1,002,803
Fire Storage	540,000	586,423	540,000	462,803
Operating Storage	41,279	545,144	41,279	421,524
Emergency Storage	30,959	514,185	30,959	390,565

Table 2. Buildout Conditions

	MDD + Fire w/all sources		PHD + Fire w/ all sources	
Storage Type	**Storage Requirement (gal)**	**Storage Balance (gal)**	**Storage Requirement (gal)**	**Storage Balance (gal)**
Full Tank		350,000		350,000
Supply		752,703		595,599
Daily Capacity		1,102,703		945,599
Fire Storage	540,000	562,703	540,000	405,599
Operating Storage	52,460	510,243	52,460	353,139
Emergency Storage	39,345	470,898	39,345	313,794

APPENDIX D:
BASIS OF ESTIMATE

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TECHNICAL MEMORANDUM

TO: Luke Tipton, P.E.

FROM: Alex Stodtmeister, P.E.

DATE: 02/28/2023

PROJECT: IVGID – Water Utility Master Plan

PURPOSE

Incline Village General Improvement District (IVGID) has contracted with DOWL to create a Water System Master Plan. The Plan will be produced with the ultimate goal of creating a 10-year Capital Improvement Program (CIP), complete with cost estimates.

ESTIMATE PARAMETERS

Project Scope Description

The project area is comprised of the potable water system located in Incline Village, NV and includes the area of Crystal Bay. The Plan will analyze and assess the condition and capacity of all infrastructure related to the potable water system and determine any and all rehabilitation or replacement projects required. The recommended projects will then be organized into a CIP, and cost estimates for the projects provided.

Methodology

The cost estimates utilized conceptual methods, utilizing methods such as end product units and physical dimensions. Cost resources included current cost estimates for similar projects currently under design, historical construction bid data, vendor quotes, service invoices from IVGID, and industry experience. Project quantities where applicable were determined using ArcGIS Pro.

Estimate Classification

The estimates are Level 5 estimates with an accuracy range of -50% to +100%. The projects are at 0% completion.

BASIS OF ESTIMATE

Design Basis

The cost estimates are planning level estimates, and no design has been performed. These projects are considered conceptual at this time. Project quantities where applicable were taken from ArcGIS Pro data that was provided by IVGID.

Planning Basis

The planning basis of this estimate was limited to assuming soft costs as a percentage of the construction total estimated. The soft costs and corresponding percentages included in this estimate are:

- Contingency – 20%
- Engineering – 15%
- Permitting – 8%
- Construction Observation and Management – 12%
- Administration – 5%

Cost Basis

The cost estimate was prepared using historical bid tabs, current estimates for similar projects under design, and utilizing the Engineering News-Record (ENR) Construction Cost Index (CCI) in order to account for cost inflation between the historical bid tabs and the time of the estimate (February 2024). The sources for each project cost estimate are:

- SCADA Master Plan and Upgrades
  - Original 2022 Tesco fee
- Customer Meter Rehab
  - Budgetary numbers provided by IVGID
- Bi-Annual Leak Testing
  - 2022 acoustic leak testing price for GRCSD Condition Assessment
- 5-Year Tank Inspection
  - 2019 invoicing provided by IVGID
- Tank Maintenance and Recoating
  - 2021 Lyon County Tank Recoating
- Steel Main Replacement
  - 2023 Steel Main Replacement Bid Tab provided by IVGID
  - 2024 Tract Utility Cost Estimate provided by John Collins

ADDITIONAL FACTORS OF ESTIMATE

Allowances

No specific allowances were considered as a part of this project. All lump sum items in the estimates are not assumed to be all encompassing as the design is at 0%.

Assumptions

Assumptions for this cost estimate include:

- All projects are at planning level phase with no design alternatives considered
- Several projects have budgetary numbers that will be updated upon completion of their respective planning studies

Exclusions

There are no known exclusions in the cost estimates.

Exceptions

There are no exceptions to the normal estimate procedure for these cost estimates.

Risks and Opportunities

The main risk in this project is unknown inflation factors that may have an outsized impact as project costs are projected out over the next 20 years. This risk is mitigated by using a running 5-year average inflation of 3.8% as determined by ENRCCI.

Containments

No containment costs are included in this estimate.

Contingencies

A 20% contingency is included in the cost estimates.

Management Reserve

There is a 5% Administration soft cost included in the cost estimates.

RECONCILIATION

There are no previous estimates that require reconciliation.

BENCHMARKING

No benchmarking was completed for this estimate.

ESTIMATE QUALITY ASSURANCE

Table 1: Summary of Estimate

Prepared By – Date	Reviewed By – Date	Final QA/QC – Date
Dallas Jones, P.E.	Alex Stodtmeister, P.E.	Luke Tipton, P.E.
02/23/2024	02/28/2024	03/04/2024

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APPENDIX A: INDIVIDUAL COST ESTIMATES

Estimate by:	Alex Stodtmeister, P.E.	**Project Maturity:**	0%	
Project Name:	IVGID Water Master Plan	**Expected Accuracy Range:**	-50% 100%	Low High
Project No.	2444	**Expected Date of Construction:**		January 1, 2025
Date of Estimate:	02/28/24	**Future Cost Inflation Rate:**		3.8%
Estimate Class:	5	**Estimate Dollar Year:**		2023
QC Check by:	Luke Tipton, P.E.	**Current ENRCCI:**	13515.02	
Date of Review:	03/04/24	**Version:**	1.0	

Class 5 Opinion of Probable Cost - Tank Recoating (2 Tanks) + Lead Testing

Bid Item	Description	Quantity	Unit	Unit Cost	Total Amount
1	Mobilization	1	LS	$ 54,000	**$ 54,000**
2	Tank Interior Coating & Disinfection	2	LS	$ 327,000	**$ 654,000**
3	Tank Exteror Coating	2	LS	$ 181,000	**$ 362,000**
4	Lead Testing	1	LS	$ 5,000	**$ 5,000**
5	Misc. Maintenance	1	LS	$ 50,000	**$ 50,000**
				Construction SubTotal:	**$ 1,125,000**
				Construction Low Estimate:	$ 562,500
				Construction High Estimate:	$ 2,250,000
				Soft Costs	
				Contingency (20%)	$ 225,000
				Engineering (15%)	$ 169,000
				Permitting (5%)	$ 56,000
				Construction Observation and Management (12%)	$ 135,000
				Administration (5%)	$ 56,000
				Soft Costs SubTotal:	**$ 641,000**
				2023 Project Total:	**$ 1,766,000**
				2025 Projected Project Total:	**$ 1,902,800**

Estimate by:	Alex Stodtmeister, P.E.	**Project Maturity:**	0%	
Project Name:	IVGID Water Master Plan	**Expected Accuracy Range:**	-50% 100%	Low High
Project No.	2444	**Expected Date of Construction:**		January 1, 2026
Date of Estimate:	02/28/24	**Future Cost Inflation Rate:**		3.8%
Estimate Class:	5	**Estimate Dollar Year:**		2023
QC Check by:	Luke Tipton, P.E.	**Current ENRCCI:**	13515.02	
Date of Review:	03/04/24	**Version:**	1.0	

Class 5 Opinion of Probable Cost - Tank Recoating (2 Tanks)

Bid Item	Description	Quantity	Unit	Unit Cost	Total Amount
1	Mobilization	1	LS	$ 54,000	**$ 54,000**
2	Tank Interior Coating & Disinfection	2	LS	$ 327,000	**$ 654,000**
3	Tank Exteror Coating	2	LS	$ 181,000	**$ 362,000**
4	Misc. Maintenance	1	LS	$ 50,000	**$ 50,000**

Construction SubTotal:	**$**	**1,120,000**
Construction Low Estimate:	$	560,000
Construction High Estimate:	$	2,240,000
Soft Costs		
Contingency (20%)	$	224,000
Engineering (15%)	$	168,000
Permitting (5%)	$	56,000
Construction Observation and Management (12%)	$	134,000
Administration (5%)	$	56,000
Soft Costs SubTotal:	**$**	**638,000**
2023 Project Total:	**$**	**1,758,000**
2026 Projected Project Total:	**$**	**1,966,200**

Estimate by:	Alex Stodtmeister, P.E.	**Project Maturity:**	0%	
Project Name:	IVGID Water Master Plan	**Expected Accuracy Range:**	-50% 100%	Low High
Project No.	2444	**Expected Date of Construction:**		January 1, 2028
Date of Estimate:	02/28/24	**Future Cost Inflation Rate:**		3.8%
Estimate Class:	5	**Estimate Dollar Year:**		2023
QC Check by:	Luke Tipton, P.E.	**Current ENRCCI:**	13515.02	
Date of Review:	03/04/24	**Version:**	1.0	

Class 5 Opinion of Probable Cost - Tank Recoating (3 Tanks)

Bid Item	Description	Quantity	Unit	Unit Cost	Total Amount
1	Mobilization	1	LS	$ 79,000	**$ 79,000**
2	Tank Interior Coating & Disinfection	3	LS	$ 327,000	**$ 981,000**
3	Tank Exteror Coating	3	LS	$ 181,000	**$ 543,000**
4	Misc. Maintenance	1	LS	$ 50,000	**$ 50,000**

Construction SubTotal:	**$**	**1,653,000**
Construction Low Estimate:	$	826,500
Construction High Estimate:	$	3,306,000
Soft Costs		
Contingency (20%)	$	331,000
Engineering (15%)	$	248,000
Permitting (5%)	$	83,000
Construction Observation and Management (12%)	$	198,000
Administration (5%)	$	83,000
Soft Costs SubTotal:	**$**	**943,000**
2023 Project Total:	**$**	**2,596,000**
2028 Projected Project Total:	**$**	**3,128,200**

Estimate by:	Alex Stodtmeister, P.E.	**Project Maturity:**	0%	
Project Name:	IVGID Water Master Plan	**Expected Accuracy Range:**	-50% 100%	Low High
Project No.	2444	**Expected Date of Construction:**		January 1, 2032
Date of Estimate:	02/28/24	**Future Cost Inflation Rate:**		3.8%
Estimate Class:	5	**Estimate Dollar Year:**		2023
QC Check by:	Luke Tipton, P.E.	**Current ENRCCI:**	13518.12	
Date of Review:	03/04/24	**Version:**	2.0	

Class 5 Opinion of Probable Cost - Steel Main Replacement Program All

Bid Item	Description	Quantity	Unit	Unit Cost	Total Amount
1	Mobilization	1	LS	$ 722,000	**$ 722,000**
2	Traffic Control	1	LS	$ 578,000	**$ 578,000**
3	Environmental Protection	1	LS	$ 578,000	**$ 578,000**
4	8" PVC Pipe	23,960	LF	$ 350	**$ 8,386,000**
5	10" PVC Pipe	298	LF	$ 375	**$ 111,750**
6	14" PVC Pipe	168	LF	$ 400	**$ 67,200**
7	16" PVC Pipe	0	LF	$ 425	**$ -**
8	18" PVC Pipe	10	LF	$ 450	**$ 4,500**
9	20" PVC Pipe	212	LF	$ 475	**$ 100,700**
10	Roadway Repair	24,648	LF	$ 190	**$ 4,683,120**
11	Fire Hydrant Assembly	49	EA	$ 22,000	**$ 1,078,000**

Phase sheet # hydrants 49

Construction SubTotal:	**$**	**16,309,270**
Construction Low Estimate:	$	8,154,635
Construction High Estimate:	$	32,618,540
Soft Costs		
Contingency (20%)	$	3,262,000
Engineering (15%)	$	2,446,000
Permitting (8%)	$	1,305,000
Construction Observation and Management (12%)	$	1,957,000
Administration (5%)	$	815,000
Soft Costs SubTotal:	**$**	**9,785,000**
2023 Project Total:	**$**	**26,094,270**
Projected Project Total	**$**	**32,010,900**

Estimate by:	Alex Stodtmeister, P.E.	**Project Maturity:**	0%	
Project Name:	IVGID Water Master Plan	**Expected Accuracy Range:**	-50% 100%	Low High
Project No.	2444	**Expected Date of Construction:**		January 1, 2025
Date of Estimate:	02/28/24	**Future Cost Inflation Rate:**		3.8%
Estimate Class:	5	**Estimate Dollar Year:**		2023
QC Check by:	Luke Tipton, P.E.	**Current ENRCCI:**	13518.12	
Date of Review:	03/04/24	**Version:**	2.0	

Class 5 Opinion of Probable Cost - Steel Main Replacement Program Phase 1

Bid Item	Description	Quantity	Unit	Unit Cost	Total Amount
1	Mobilization	1	LS	$ 103,000	**$ 103,000**
2	Traffic Control	1	LS	$ 83,000	**$ 83,000**
3	Erosion Control	1	LS	$ 83,000	**$ 83,000**
4	8" PVC Pipe	3,525	LF	$ 350	**$ 1,233,750**
5	10" PVC Pipe	0	LF	$ 375	**$ -**
6	14" PVC Pipe	0	LF	$ 400	**$ -**
7	16" PVC Pipe	0	LF	$ 425	**$ -**
8	18" PVC Pipe	0	LF	$ 450	**$ -**
9	20" PVC Pipe	0	LF	$ 475	**$ -**
10	Roadway Repair	3,525	LF	$ 190	**$ 669,750**
11	Fire Hydrant Assembly	7	EA	$ 22,000	**$ 155,100**
				Construction SubTotal:	**$ 2,327,600**
				Construction Low Estimate:	$ 1,163,800
				Construction High Estimate:	$ 4,655,200
				Soft Costs	
				Contingency (20%)	$ 466,000
				Engineering (15%)	$ 349,000
				Permitting (8%)	$ 186,000
				Construction Observation and Management (12%)	$ 279,000
				Administration (5%)	$ 116,000
				Soft Costs SubTotal:	**$ 1,396,000**
				2023 Project Total:	**$ 3,723,600**
				2025 Projected Project Total:	**$ 4,012,000**

Estimate by:	Alex Stodtmeister, P.E.	**Project Maturity:**	0%	
Project Name:	IVGID Water Master Plan	**Expected Accuracy Range:**	-50% 100%	Low High
Project No.	2444	**Expected Date of Construction:**		January 1, 2026
Date of Estimate:	02/28/24	**Future Cost Inflation Rate:**		3.8%
Estimate Class:	5	**Estimate Dollar Year:**		2023
QC Check by:	Luke Tipton, P.E.	**Current ENRCCI:**	13518.12	
Date of Review:	03/04/24	**Version:**	2.0	

Class 5 Opinion of Probable Cost - Steel Main Replacement Program Phase 2

Bid Item	Description	Quantity	Unit	Unit Cost	Total Amount
1	Mobilization	1	LS	$ 92,000	**$ 92,000**
2	Traffic Control	1	LS	$ 74,000	**$ 74,000**
3	Erosion Control	1	LS	$ 74,000	**$ 74,000**
4	8" PVC Pipe	3,126	LF	$ 350	**$ 1,094,100**
5	10" PVC Pipe	0	LF	$ 375	**$ -**
6	14" PVC Pipe	0	LF	$ 400	**$ -**
7	16" PVC Pipe	0	LF	$ 425	**$ -**
8	18" PVC Pipe	0	LF	$ 450	**$ -**
9	20" PVC Pipe	0	LF	$ 475	**$ -**
10	Roadway Repair	3,126	LF	$ 190	**$ 593,940**
11	Fire Hydrant Assembly	6	EA	$ 22,000	**$ 137,544**
				Construction SubTotal:	**$ 2,065,584**
				Construction Low Estimate:	$ 1,032,792
				Construction High Estimate:	$ 4,131,168
				Soft Costs	
				Contingency (20%)	$ 413,000
				Engineering (15%)	$ 310,000
				Permitting (8%)	$ 165,000
				Construction Observation and Management (12%)	$ 248,000
				Administration (5%)	$ 103,000
				Soft Costs SubTotal:	**$ 1,239,000**
				2023 Project Total:	**$ 3,304,584**
				2026 Projected Project Total:	**$ 3,695,900**

Estimate by:	Alex Stodtmeister, P.E.	**Project Maturity:**	0%	
Project Name:	IVGID Water Master Plan	**Expected Accuracy Range:**	-50% 100%	Low High
Project No.	2444	**Expected Date of Construction:**		January 1, 2027
Date of Estimate:	02/28/24	**Future Cost Inflation Rate:**		3.8%
Estimate Class:	5	**Estimate Dollar Year:**		2023
QC Check by:	Luke Tipton, P.E.	**Current ENRCCI:**	13518.12	
Date of Review:	03/04/24	**Version:**	2.0	

Class 5 Opinion of Probable Cost - Steel Main Replacement Program Phase 3

Bid Item	Description	Quantity	Unit	Unit Cost	Total Amount
1	Mobilization	1	LS	$ 107,000	**$ 107,000**
2	Traffic Control	1	LS	$ 86,000	**$ 86,000**
3	Erosion Control	1	LS	$ 86,000	**$ 86,000**
4	8" PVC Pipe	3,356	LF	$ 350	**$ 1,174,600**
5	10" PVC Pipe	289	LF	$ 375	**$ 108,375**
6	14" PVC Pipe	0	LF	$ 400	**$ -**
7	16" PVC Pipe	0	LF	$ 425	**$ -**
8	18" PVC Pipe	0	LF	$ 450	**$ -**
9	20" PVC Pipe	0	LF	$ 475	**$ -**
10	Roadway Repair	3,645	LF	$ 190	**$ 692,550**
11	Fire Hydrant Assembly	7	EA	$ 22,000	**$ 160,380**
				Construction SubTotal:	**$ 2,414,905**
				Construction Low Estimate:	$ 1,207,453
				Construction High Estimate:	$ 4,829,810
				Soft Costs	
				Contingency (20%)	$ 483,000
				Engineering (15%)	$ 362,000
				Permitting (8%)	$ 193,000
				Construction Observation and Management (12%)	$ 290,000
				Administration (5%)	$ 121,000
				Soft Costs SubTotal:	**$ 1,449,000**
				2023 Project Total:	**$ 3,863,905**
				2027 Projected Project Total:	**$ 4,485,600**

Estimate by:	Alex Stodtmeister, P.E.	**Project Maturity:**	0%	
Project Name:	IVGID Water Master Plan	**Expected Accuracy Range:**	-50% 100%	Low High
Project No.	2444	**Expected Date of Construction:**		January 1, 2028
Date of Estimate:	02/28/24	**Future Cost Inflation Rate:**		3.8%
Estimate Class:	5	**Estimate Dollar Year:**		2023
QC Check by:	Luke Tipton, P.E.	**Current ENRCCI:**	13518.12	
Date of Review:	03/04/24	**Version:**	2.0	

Class 5 Opinion of Probable Cost - Steel Main Replacement Program Phase 4

Bid Item	Description	Quantity	Unit	Unit Cost	Total Amount
1	Mobilization	1	LS	$ 80,000	**$ 80,000**
2	Traffic Control	1	LS	$ 64,000	**$ 64,000**
3	Erosion Control	1	LS	$ 64,000	**$ 64,000**
4	8" PVC Pipe	2,553	LF	$ 350	**$ 893,550**
5	10" PVC Pipe	0	LF	$ 375	**$ -**
6	14" PVC Pipe	168	LF	$ 400	**$ 67,200**
7	16" PVC Pipe	0	LF	$ 425	**$ -**
8	18" PVC Pipe	0	LF	$ 450	**$ -**
9	20" PVC Pipe	0	LF	$ 475	**$ -**
10	Roadway Repair	2,721	LF	$ 190	**$ 516,990**
11	Fire Hydrant Assembly	5	EA	$ 22,000	**$ 119,724**
				Construction SubTotal:	**$ 1,805,464**
				Construction Low Estimate:	$ 902,732
				Construction High Estimate:	$ 3,610,928
				Soft Costs	
				Contingency (20%)	$ 361,000
				Engineering (15%)	$ 271,000
				Permitting (8%)	$ 144,000
				Construction Observation and Management (12%)	$ 217,000
				Administration (5%)	$ 90,000
				Soft Costs SubTotal:	**$ 1,083,000**
				2023 Project Total:	**$ 2,888,464**
				2028 Projected Project Total:	**$ 3,480,600**

Estimate by:	Alex Stodtmeister, P.E.	**Project Maturity:**	0%	
Project Name:	IVGID Water Master Plan	**Expected Accuracy Range:**	-50% 100%	Low High
Project No.	2444	**Expected Date of Construction:**		January 1, 2029
Date of Estimate:	02/28/24	**Future Cost Inflation Rate:**		3.8%
Estimate Class:	5	**Estimate Dollar Year:**		2023
QC Check by:	Luke Tipton, P.E.	**Current ENRCCI:**	13518.12	
Date of Review:	03/04/24	**Version:**	2.0	

Class 5 Opinion of Probable Cost - Steel Main Replacement Program Phase 5

Bid Item	Description	Quantity	Unit	Unit Cost	Total Amount
1	Mobilization	1	LS	$ 105,000	**$ 105,000**
2	Traffic Control	1	LS	$ 84,000	**$ 84,000**
3	Erosion Control	1	LS	$ 84,000	**$ 84,000**
4	8" PVC Pipe	3,590	LF	$ 350	**$ 1,256,500**
5	10" PVC Pipe	0	LF	$ 375	**$ -**
6	14" PVC Pipe	0	LF	$ 400	**$ -**
7	16" PVC Pipe	0	LF	$ 425	**$ -**
8	18" PVC Pipe	0	LF	$ 450	**$ -**
9	20" PVC Pipe	0	LF	$ 475	**$ -**
10	Roadway Repair	3,590	LF	$ 190	**$ 682,100**
11	Fire Hydrant Assembly	7	EA	$ 22,000	**$ 154,000**
				Construction SubTotal:	**$ 2,365,600**
				Construction Low Estimate:	$ 1,182,800
				Construction High Estimate:	$ 4,731,200
				Soft Costs	
				Contingency (20%)	$ 473,000
				Engineering (15%)	$ 355,000
				Permitting (8%)	$ 189,000
				Construction Observation and Management (12%)	$ 284,000
				Administration (5%)	$ 118,000
				Soft Costs SubTotal:	**$ 1,419,000**
				2023 Project Total:	**$ 3,784,600**
				2029 Projected Project Total:	**$ 4,733,800**

Estimate by:	Alex Stodtmeister, P.E.	**Project Maturity:**	0%	
Project Name:	IVGID Water Master Plan	**Expected Accuracy Range:**	-50% 100%	Low High
Project No.	2444	**Expected Date of Construction:**		January 1, 2030
Date of Estimate:	02/28/24	**Future Cost Inflation Rate:**		3.8%
Estimate Class:	5	**Estimate Dollar Year:**		2023
QC Check by:	Luke Tipton, P.E.	**Current ENRCCI:**	13518.12	
Date of Review:	03/04/24	**Version:**	2.0	

Class 5 Opinion of Probable Cost - Steel Main Replacement Program Phase 6

Bid Item	Description	Quantity	Unit	Unit Cost	Total Amount
1	Mobilization	1	LS	$ 73,000	**$ 73,000**
2	Traffic Control	1	LS	$ 59,000	**$ 59,000**
3	Erosion Control	1	LS	$ 59,000	**$ 59,000**
4	8" PVC Pipe	2,216	LF	$ 350	**$ 775,600**
5	10" PVC Pipe	0	LF	$ 375	**$ -**
6	14" PVC Pipe	0	LF	$ 400	**$ -**
7	16" PVC Pipe	0	LF	$ 425	**$ -**
8	18" PVC Pipe	10	LF	$ 450	**$ 4,500**
9	20" PVC Pipe	212	LF	$ 475	**$ 100,700**
10	Roadway Repair	2,438	LF	$ 190	**$ 463,220**
11	Fire Hydrant Assembly	5	EA	$ 22,000	**$ 107,272**
				Construction SubTotal:	**$ 1,642,292**
				Construction Low Estimate:	$ 821,146
				Construction High Estimate:	$ 3,284,584
				Soft Costs	
				Contingency (20%)	$ 328,000
				Engineering (15%)	$ 246,000
				Permitting (8%)	$ 131,000
				Construction Observation and Management (12%)	$ 197,000
				Administration (5%)	$ 82,000
				Soft Costs SubTotal:	**$ 984,000**
				2023 Project Total:	**$ 2,626,292**
				2030 Projected Project Total:	**$ 3,409,800**

Estimate by:	Alex Stodtmeister, P.E.	**Project Maturity:**	0%	
Project Name:	IVGID Water Master Plan	**Expected Accuracy Range:**	-50% 100%	Low High
Project No.	2444	**Expected Date of Construction:**		January 1, 2031
Date of Estimate:	02/28/24	**Future Cost Inflation Rate:**		3.8%
Estimate Class:	5	**Estimate Dollar Year:**		2023
QC Check by:	Luke Tipton, P.E.	**Current ENRCCI:**	13518.12	
Date of Review:	03/04/24	**Version:**	2.0	

Class 5 Opinion of Probable Cost - Steel Main Replacement Program Phase 7

Bid Item	Description	Quantity	Unit	Unit Cost	Total Amount
1	Mobilization	1	LS	$ 56,000	**$ 56,000**
2	Traffic Control	1	LS	$ 45,000	**$ 45,000**
3	Erosion Control	1	LS	$ 45,000	**$ 45,000**
4	8" PVC Pipe	1,877	LF	$ 350	**$ 656,950**
5	10" PVC Pipe	9	LF	$ 375	**$ 3,375**
6	14" PVC Pipe	0	LF	$ 400	**$ -**
7	16" PVC Pipe	0	LF	$ 425	**$ -**
8	18" PVC Pipe	0	LF	$ 450	**$ -**
9	20" PVC Pipe	0	LF	$ 475	**$ -**
10	Roadway Repair	1,886	LF	$ 190	**$ 358,340**
11	Fire Hydrant Assembly	4	EA	$ 22,000	**$ 88,000**
				Construction SubTotal:	**$ 1,252,665**
				Construction Low Estimate:	$ 626,333
				Construction High Estimate:	$ 2,505,330
				Soft Costs	
				Contingency (20%)	$ 251,000
				Engineering (15%)	$ 188,000
				Permitting (8%)	$ 100,000
				Construction Observation and Management (12%)	$ 150,000
				Administration (5%)	$ 63,000
				Soft Costs SubTotal:	**$ 752,000**
				2023 Project Total:	**$ 2,004,665**
				2031 Projected Project Total:	**$ 2,701,600**

Estimate by:	Alex Stodtmeister, P.E.	**Project Maturity:**	0%	
Project Name:	IVGID Water Master Plan	**Expected Accuracy Range:**	-50% 100%	Low High
Project No.	2444	**Expected Date of Construction:**		January 1, 2032
Date of Estimate:	02/28/24	**Future Cost Inflation Rate:**		3.8%
Estimate Class:	5	**Estimate Dollar Year:**		2023
QC Check by:	Luke Tipton, P.E.	**Current ENRCCI:**	13518.12	
Date of Review:	03/04/24	**Version:**	2.0	

Class 5 Opinion of Probable Cost - Steel Main Replacement Program Phase 8

Bid Item	Description	Quantity	Unit	Unit Cost	Total Amount
1	Mobilization	1	LS	$ 109,000	**$ 109,000**
2	Traffic Control	1	LS	$ 87,000	**$ 87,000**
3	Erosion Control	1	LS	$ 87,000	**$ 87,000**
4	8" PVC Pipe	3,717	LF	$ 350	**$ 1,300,950**
5	10" PVC Pipe	0	LF	$ 375	**$ -**
6	14" PVC Pipe	0	LF	$ 400	**$ -**
7	16" PVC Pipe	0	LF	$ 425	**$ -**
8	18" PVC Pipe	0	LF	$ 450	**$ -**
9	20" PVC Pipe	0	LF	$ 475	**$ -**
10	Roadway Repair	3,717	LF	$ 190	**$ 706,230**
11	Fire Hydrant Assembly	7	EA	$ 22,000	**$ 163,548**
				Construction SubTotal:	**$ 2,453,728**
				Construction Low Estimate:	$ 1,226,864
				Construction High Estimate:	$ 4,907,456
				Soft Costs	
				Contingency (20%)	$ 491,000
				Engineering (15%)	$ 368,000
				Permitting (8%)	$ 196,000
				Construction Observation and Management (12%)	$ 294,000
				Administration (5%)	$ 123,000
				Soft Costs SubTotal:	**$ 1,472,000**
				2023 Project Total:	**$ 3,925,728**
				2032 Projected Project Total:	**$ 5,491,600**