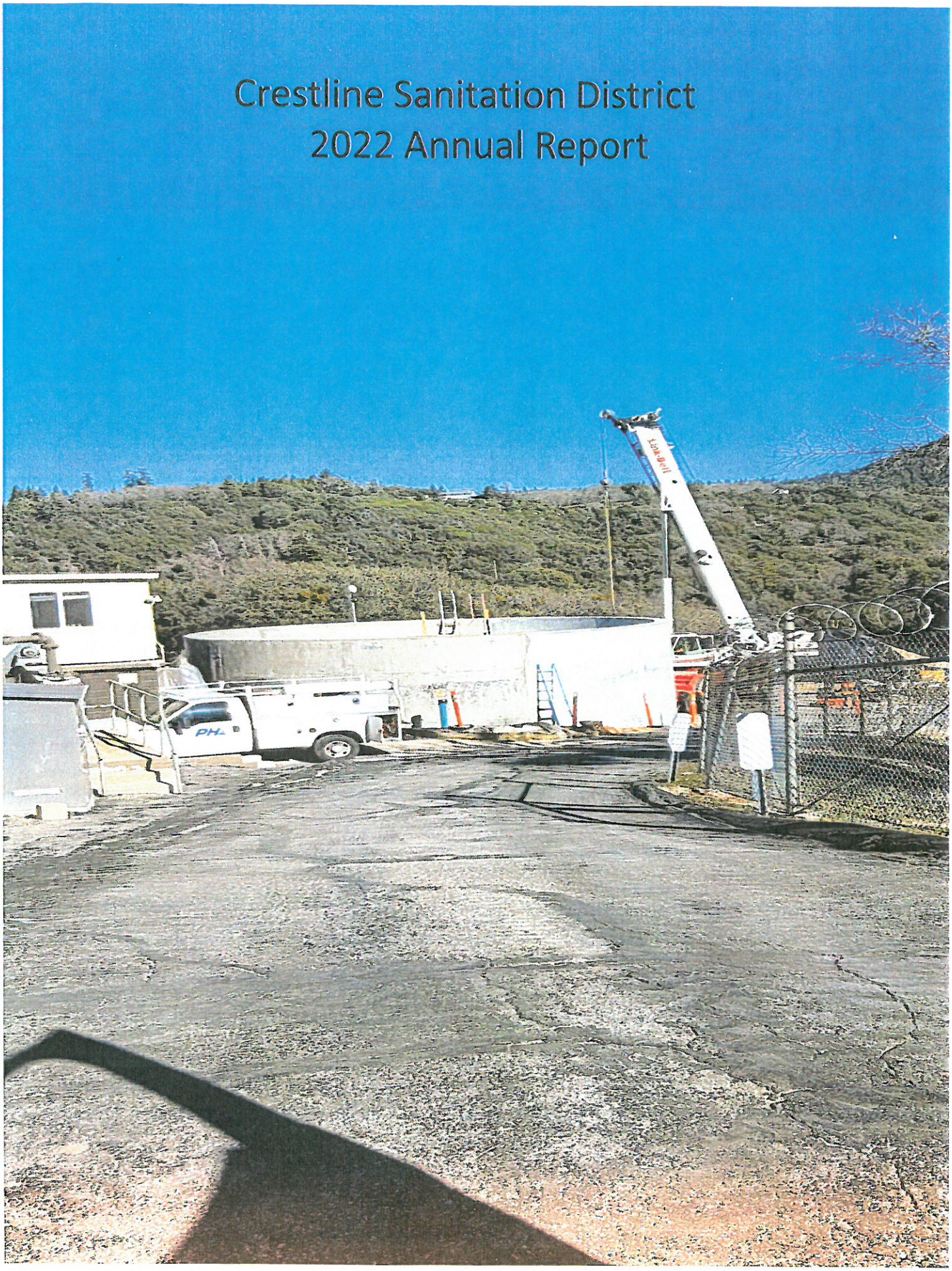
Crestline Sanitation District
2022 Annual Report



CRESTLINE SANITATION DISTRICT
ANNUAL REPORT

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Crestline Sanitation District
Annual Report
Summation
2022

Crestline Sanitation District collected, treated, and discharged 206.8 million gallons of wastewater in 2022. We had a total of 3 flow violations in 2022 in which all 3 were 24 hour violations. These violations were due to storm events which occurred in November and December of 2022 in which the District received 23.13 inches of rain for the year.

Throughout 2022 the Districts' Maintenance Crew systematically televised 6.3 miles of pipe. During 2022 the District Hydroed 20.7 miles of pipeline exceeding the Sanitary Sewer Management Plan (SSMP) mark of 15.2 miles for the year.

The District started construction on the Huston Creek treatment plant in February of 2022. Construction is on schedule so far and is approximately 35 percent completed. The District is installing a redundant clarifier as well as a new solids handling building with two new screw presses.

CSD contracted Sancon to do CIPP and manhole rehab. Sancon slip lined 1109 feet of pipe and also rehabilitated 8 manholes throughout the District.

During the month of November the District conducted smoke testing. The District smoke tested 41,670 feet of line or 7.9 miles. This smoke testing includes customer laterals. Any deficiencies found were repaired at District cost to repair the issue.

An Annual Audit of the District was performed in 2022 by Smith Marion & CO. This accounting firm did a thorough job finding Crestline Sanitation's records to be well prepared, which allowed the audit to be completed in a timely manner and concluded with no findings.

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Treatment Facility Total Volume Flows

YEAR: **2022**

Site	Huston Plant	Seeley Plant	Cleghorn Plant	Las Flores	Las Flores Ponds	
Readings	daily	daily	daily	daily	daily	monthly
Violations						
Design limits	0.7 mg/d design	0.5 mg/d design	0.2 mg/d design			
	total volume month	total volume month	total volume month	total volume to irrigation	total volume to ponds	free board
	All flow rates in million gallons					feet

	Huston Creek	Seeley Creek	Cleghorn	District Effluent	District Effluent	Flow to ponds
JANUARY	15.04	7.44	0.060	22.49	0.00	empty
FEBRUARY	11.98	4.92	0.091	17.30	0.00	empty
MARCH	13.25	5.50	0.087	19.34	0.00	empty
APRIL	11.87	5.07	0.111	17.49	0.00	empty
MAY	11.16	4.33	0.103	16.07	0.00	empty
JUNE	10.45	3.56	0.180	15.27	0.00	empty
JULY	10.96	3.52	0.293	16.11	0.00	empty
AUGUST	10.55	3.39	0.118	15.16	0.00	empty
SEPTEMBER	10.86	3.49	0.176	14.76	0.00	empty
OCTOBER	11.08	3.68	0.034	15.20	0.00	empty
NOVEMBER	12.96	5.33	0.066	18.11	0.00	empty
DECEMBER	13.53	5.50	0.054	19.51	0.00	empty

2022 Treatment Facility Total Volume Flow

Totals	**143.69**	**55.71**	**1.37**	**206.79**	**0.00**	

* Las Flores Total flows are represented by the addition of the Huston Creek, Seeley Creek, Cleghorn and Pilot Rock plant flow as measured as the flow discharges to the district outfall.

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Treatment Facility Maximum Instantaneous Flow Rates

Year: **2022**

Site	**Huston Creek**	**Seeley Creek**	**Cleghorn**	**Las Flores**	**Las Flores**
Reading	daily	daily	daily	daily	daily
Violations					
Design limits	2.5 mg maximum	1.0 mg maximum	0.4 mg maximum		
	max flow rate month	max flow rate month	max flow rate month	max flow rate month	max flow rate month
All flow rates in million gallons					
	Huston	Seeley	Cleghorn	District Effluent	Flow to ponds
JANUARY	0.840	0.495	0.060	1.486	empty
FEBRUARY	0.660	0.315	0.050	1.064	empty
MARCH	0.810	0.340	0.050	1.208	empty
APRIL	0.670	0.300	0.050	1.061	empty
MAY	0.580	0.315	0.050	0.951	empty
JUNE	0.580	0.300	0.055	0.872	empty
JULY	0.800	0.275	0.190	1.215	empty
AUGUST	0.530	0.255	0.075	0.860	empty
SEPTEMBER	0.890	0.335	0.105	1.312	empty
OCTOBER	0.600	0.285	0.045	0.881	empty
NOVEMBER	1.215	0.640	0.110	2.284	empty
DECEMBER	1.140	0.622	0.240	1.976	empty
2022 Treatment Facility Maximum Instantaneous Flow Rate					
Maximum	**1.215**	**0.640**	**0.240**	**2.284**	

CRESTLINE SANITATION DISTRICT

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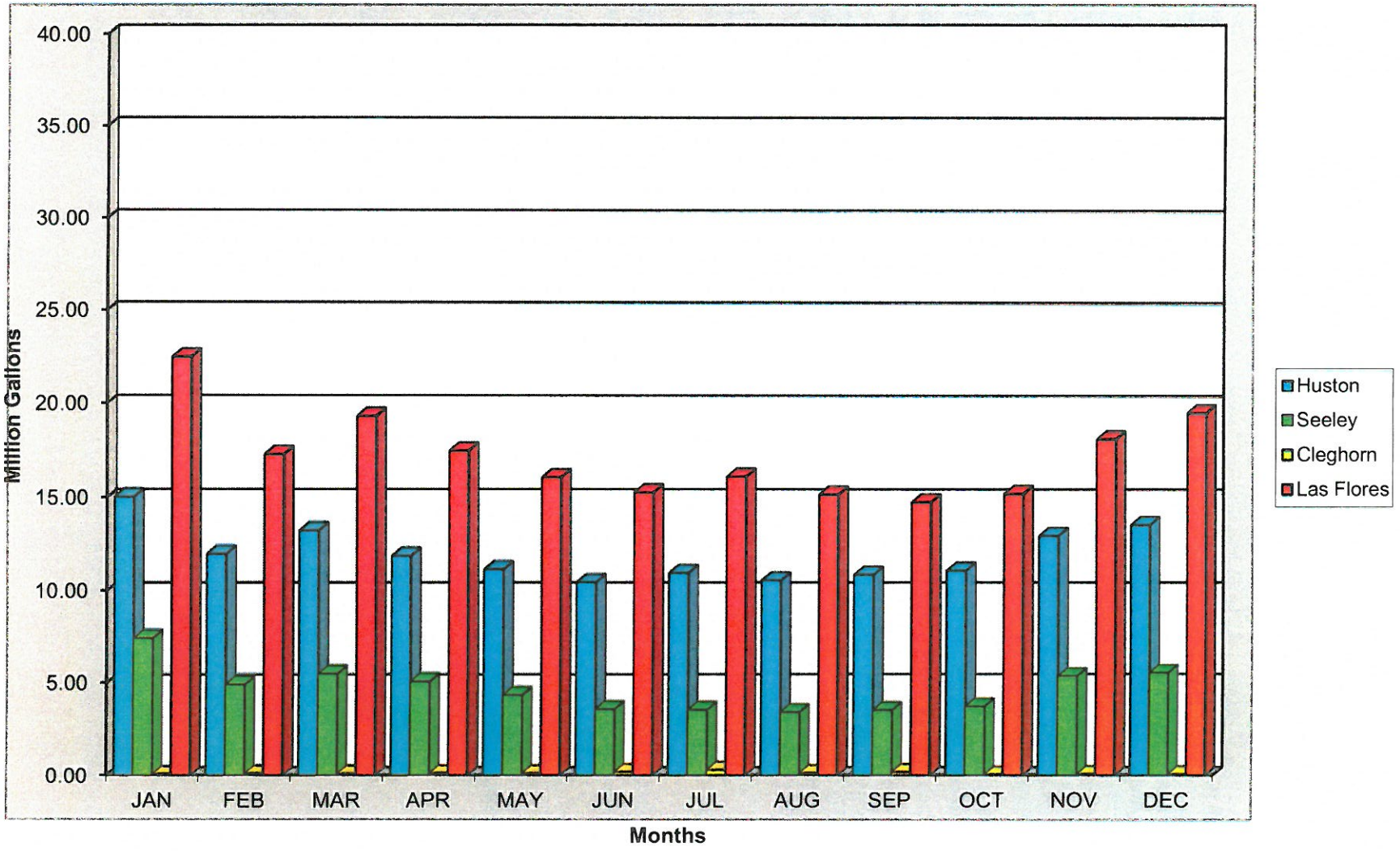
Treatment Facility Average Flow Rates

Year: **2022**

Site	**Huston Creek**	**Seeley Creek**	**Cleghorn**	**Las Flores**	**Las Flores**
Readings	daily	daily	daily	daily	daily
Violations					
Design limits	0.7 mg/d average	0.5 mg/d average	0.2 mg/d average		
	average flow month	average flow month	average flow month	average flow month	average flow month
All flows in million gallons per day					
	Huston	Seeley	Cleghorn	District Effluent	Flow to ponds
JANUARY	0.485	0.240	0.002	0.725	empty
FEBRUARY	0.428	0.176	0.003	0.618	empty
MARCH	0.427	0.177	0.003	0.624	empty
APRIL	0.396	0.169	0.004	0.583	empty
MAY	0.360	0.140	0.003	0.519	empty
JUNE	0.348	0.119	0.006	0.493	empty
JULY	0.354	0.113	0.009	0.520	empty
AUGUST	0.340	0.109	0.004	0.489	empty
SEPTEMBER	0.350	0.116	0.006	0.492	empty
OCTOBER	0.358	0.119	0.001	0.493	empty
NOVEMBER	0.432	0.172	0.002	0.604	empty
DECEMBER	0.437	0.177	0.002	0.629	empty
2022 Treatment Facility Average Flow Rate					
Average	**0.393**	**0.152**	**0.004**	**0.566**	

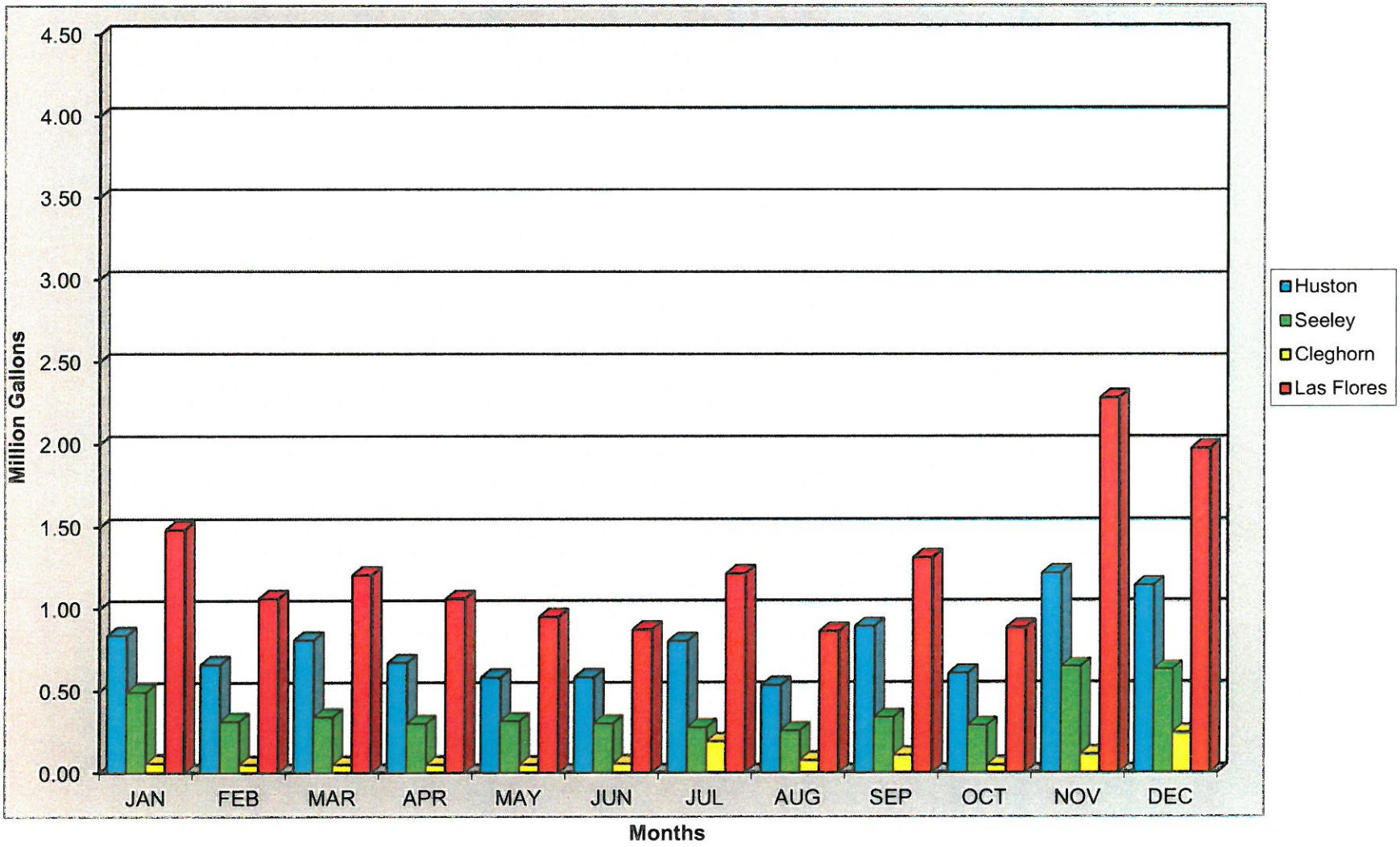
CRESTLINE SANITATION DISTRICT

Treatment Facility Total Volume Flows - 2022



CRESTLINE SANITATION DISTRICT

Treatment Facility Maximum Instantaneous Flow Rate - 2022



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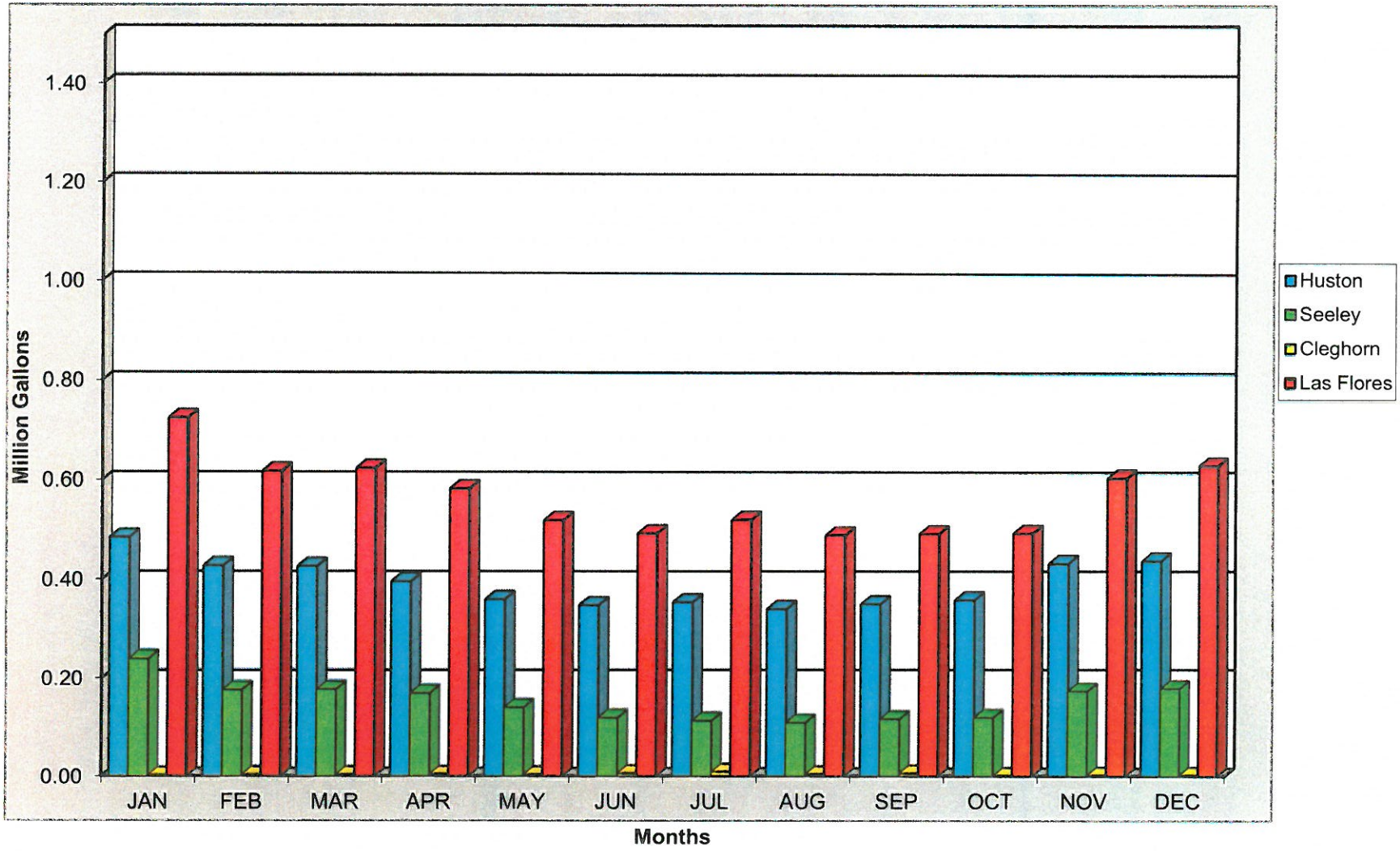
Treatment Facility Average Flow Rates - 2022



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Effluent Monitoring - Treatment Facilities

Monthly Median / Averages

Year: **2022**

Site	Huston Creek		Seeley Creek		Cleghorn	
Sample	Disinfected Final Effluent		Disinfected Final Effluent		Disinfected Final Effluent	
Frequency	2 / week	daily	2 / week	daily	2 / week	daily
Requirement	23 / 100 ml *		23 / 100 ml *		23 / 100 ml *	
Purpose	D	M	D	M	D	M
Violations						
Test	Total Coilform	Chlorine Residual	Total Coilform	Chlorine Residual	Total Coilform	Chlorine Residual
month	**MPN**	**mg/l**	**MPN**	**mg/l**	**MPN**	**mg/l**
JANUARY	2	12.3	2	7.8	2	8.4
FEBRUARY	2	17.1	2	10.7	2	10.0
MARCH	2	16.6	2	9.1	2	10.1
APRIL	2	16.5	2	11.6	2	10.7
MAY	2	17.2	2	9.8	2	9.9
JUNE	2	17.9	2	10.0	2	8.0
JULY	2	17.7	2	8.5	2	11.0
AUGUST	2	16.2	2	8.1	2	6.8
SEPTEMBER	2	15.9	2	9.1	2	8.4
OCTOBER	2	18.0	2	10.1	2	16.0
NOVEMBER	2	15.9	2	6.5	2	11.0
DECEMBER	2	16.5	2	5.6	2	7.8

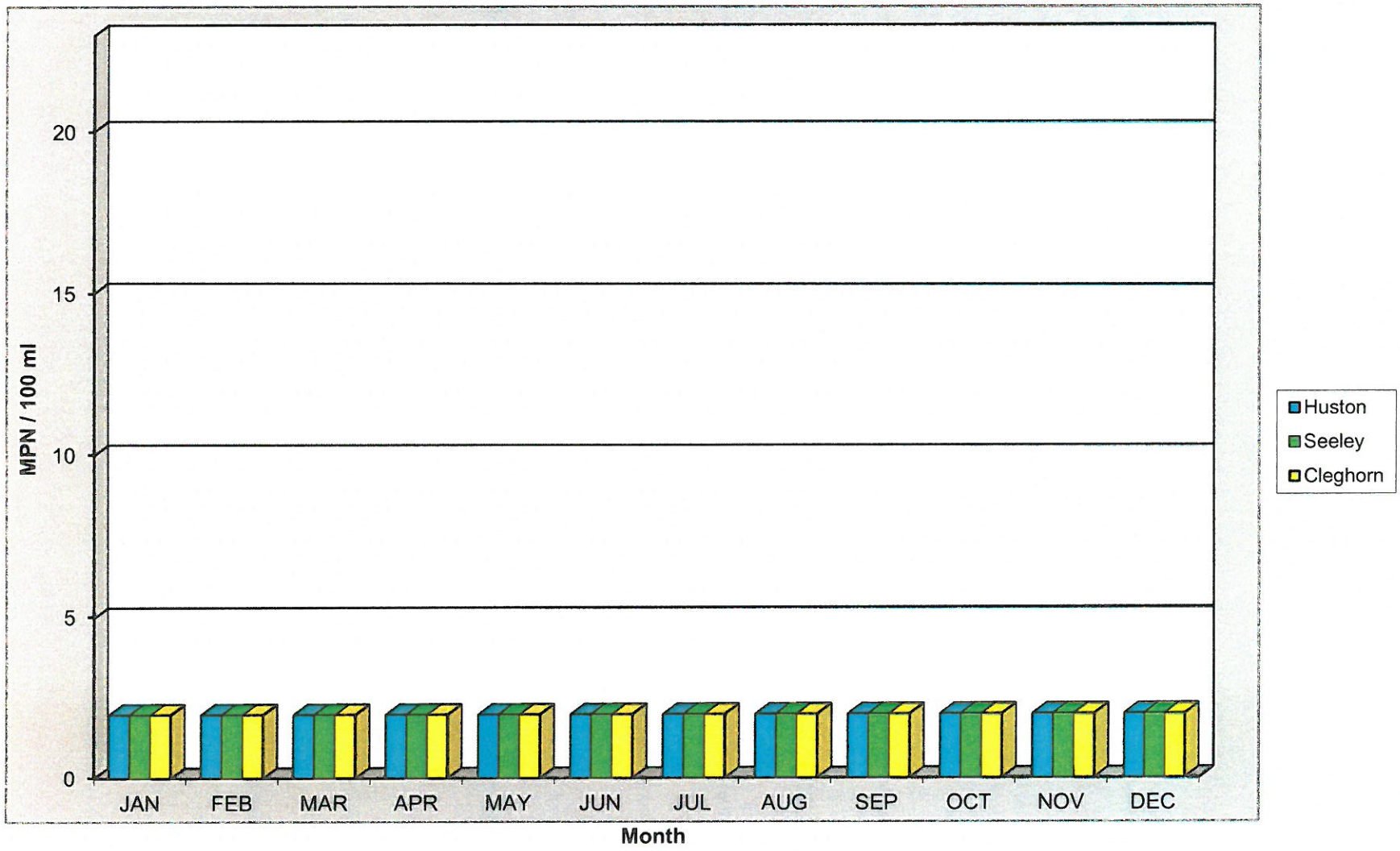
D - Sample has Effluent / Discharge Limitations

M - Sample has Effleuent Monitoring Requirements

* median does not exceed 23/100 milileters and does not exceed 240/100 milliters in any two consecutive samples

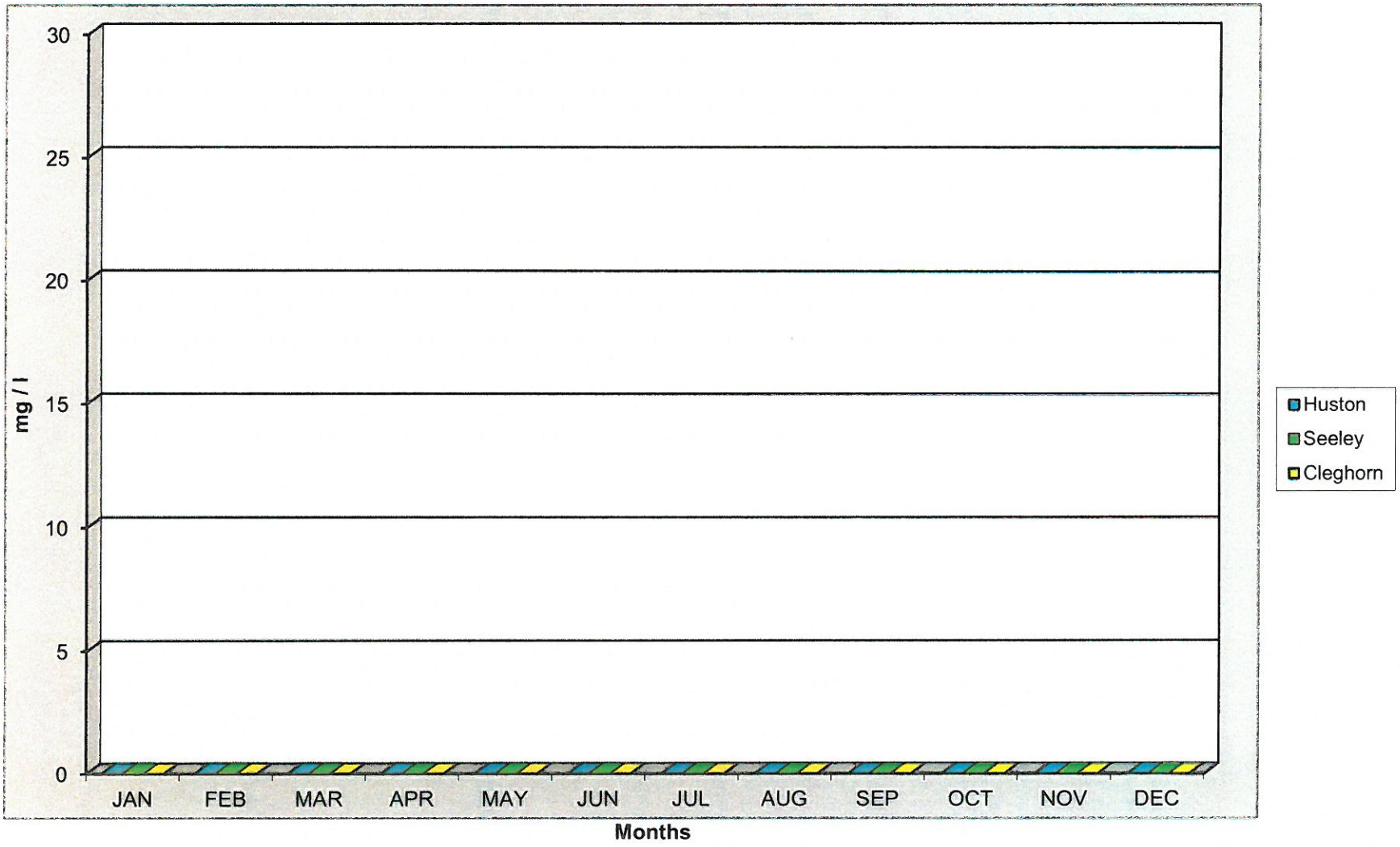
CRESTLINE SANITATION DISTRICT

Treatment Facilites - Final Effluent Total Coliform - 2022



CRESTLINE SANITATION DISTRICT

Treatment Facilities - Final Effluent Chlorine Residual - 2022



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Effluent Monitoring

District Final Effluent - Monitoring Data

Las Flores Ranch Irrigation / Percolation

Year: **2022**

Sample Frequency	2 / Week	2 / Week	Weekly	Weekly	Weekly	2 / Month	2 / Month	2 / Month	2 / Month	Monthly	Monthly	Monthly
Violations												
Sample Type	*		D M	D M	D M	D M	M	D M	M	M	M	M
Maximum			0.5 ml/l		< 9	45.0		2.0		A	A	A
Mean/Minimum				> 1.0	> 6	30.0		1.0				
Median	23 / 100 *											
Test	Total Coliform	CL2 Res	Settleable Solids	D. O.	pH	BOD	COD	MBAS	Oil & Grease	TKN	NO3-N	NH3-N
Units	MPN	mg/l	ml/l	mg/l	units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Month												
JANUARY	2	5.0	<0.10	6.6	7.4	21.0	59.0	ND	ND	16.00	10.80	15.30
FEBRUARY	2	6.0	<0.10	9.1	7.5	20.2	55.5	ND	ND	17.40	11.60	17.00
MARCH	2	5.8	<0.10	7.9	7.4	20.9	56.0	ND	ND	9.60	6.90	8.80
APRIL	2	5.4	<0.10	8.6	7.4	22.9	50.0	ND	ND	17.00	10.20	16.60
MAY	2	4.6	<0.10	8.3	7.2	21.5	53.0	ND	ND	7.70	11.40	7.50
JUNE	2	5.2	<0.10	7.9	7.3	22.0	65.0	ND	ND	16.00	10.80	15.30
JULY	2	3.8	<0.10	7.8	7.3	24.8	62.0	ND	ND	17.00	11.90	16.50
AUGUST	2	3.1	<0.10	7.6	7.3	15.5	101.0	ND	ND	16.70	11.40	16.00
SEPTEMBER	2	3.1	<0.10	7.6	7.4	23.8	51.0	ND	ND	19.20	12.20	18.40
OCTOBER	2	4.1	<0.10	6.1	7.4	18.0	58.0	ND	ND	15.80	10.40	14.50
NOVEMBER	2	3.9	<0.10	8.6	7.5	19.8	50.0	ND	ND	16.00	11.60	15.10
DECEMBER	2	4.6	<0.10	9.0	6.7	18.0	70.0	ND	ND	15.80	12.60	14.80
AVERAGES		4.6	< 0.10	7.9	7.3	20.7	60.9	ND	ND	15.35	10.98	14.65

D - Sample has Effluent / Discharge Limitations

M - Sample has Effluent Monitoring Requirements

A - Result not an average (only one sample collected per month)

* median does not exceed 23/100 milileters and does not exceed 240/100 milliters in any two consecutive samples

CRESTLINE SANITATION DISTRICT

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Effluent Monitoring

District Final Effluent - Monitoring Data

Las Flores Ranch Irrigation / Percolation

Year: 2022

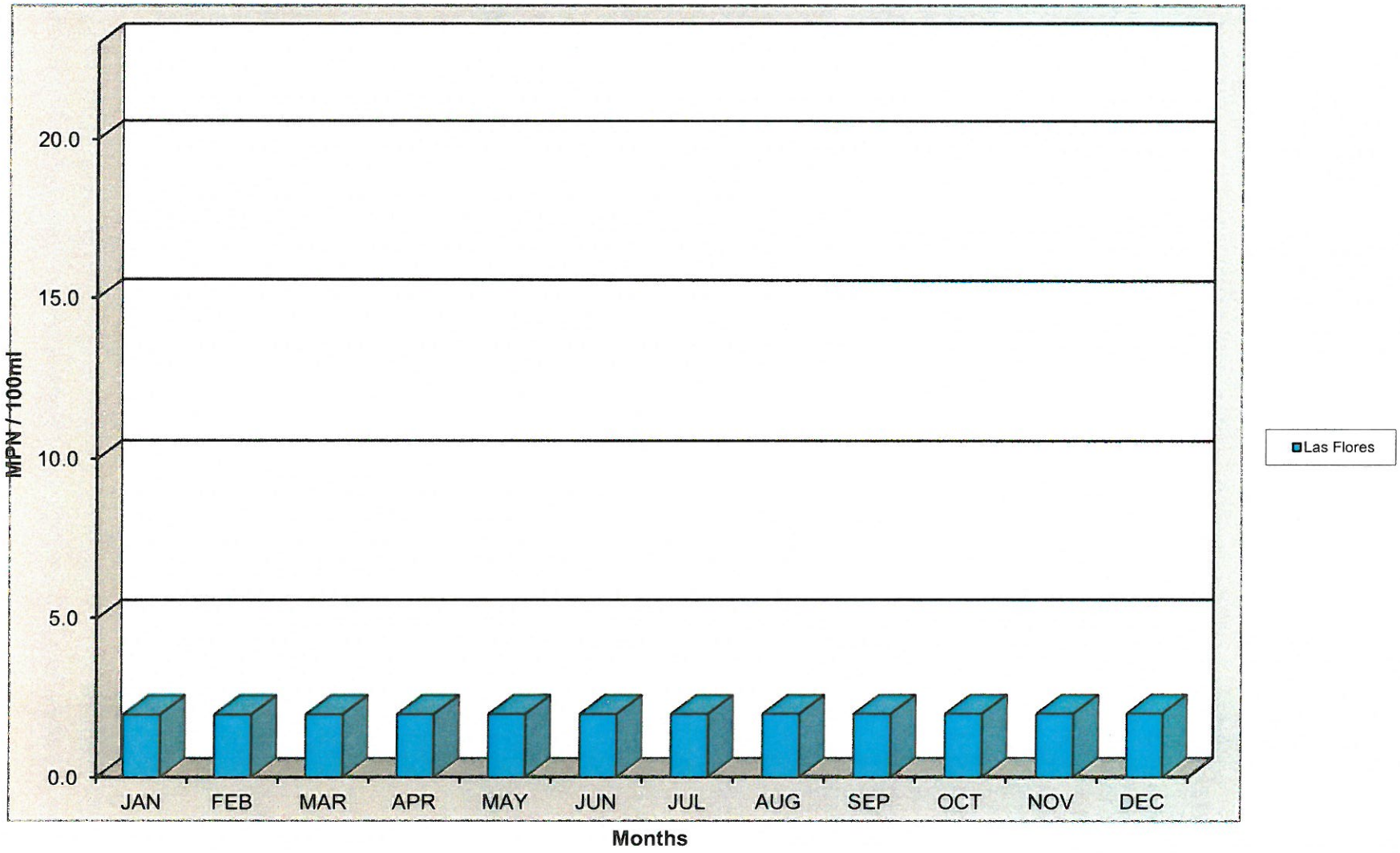
Sample Frequency	Semiannual Testing						Annual Testing				
Violations											
Sample Type	M	M	M	M	M	M	M	M	M	M	M
Mean/Minimum	A	A	A	A	A	A	A	A	A	A	A
Median											
Test	TDS	Chloride	Sodium	Sulfate	Boron	Flouride	Total Cyanides	Total Phenols	Base/Neutral/Acid Extractable Organics	Heavy Metals	Total Petroleum Hydrocarbons
Units	mg/l	mg/l	ml/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l
Month											
JANUARY											
FEBRUARY											
MARCH	590.0	136.0	100.0	147.0	0.16	0.54					
APRIL											
MAY											
JUNE											
JULY											
AUGUST											
SEPTEMBER	710	161.0	150.0	180.0	0.36	0.81	A	A	A	A	A
OCTOBER											
NOVEMBER											
DECEMBER											

D - Sample has Effluent / Discharge Limitations M - Sample has Effleuent Monitoring Requirements

A - For Sample Results see Appendix " A "

CRESTLINE SANITATION DISTRICT

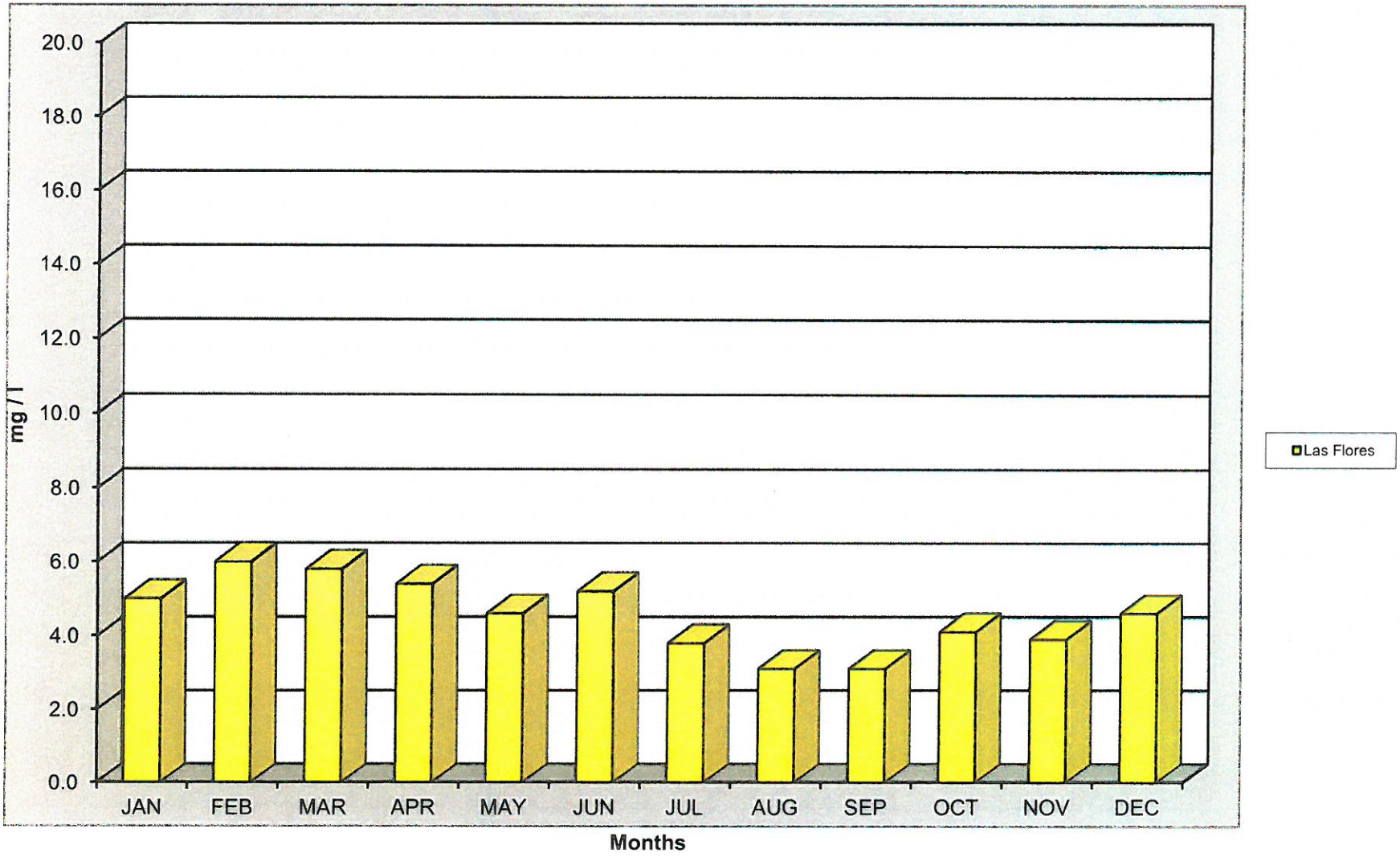
District Final Effluent - Median Total Coliform - 2022



01/02 des

CRESTLINE SANITATION DISTRICT

District Final Effluent - Average Chlorine Residual - 2022



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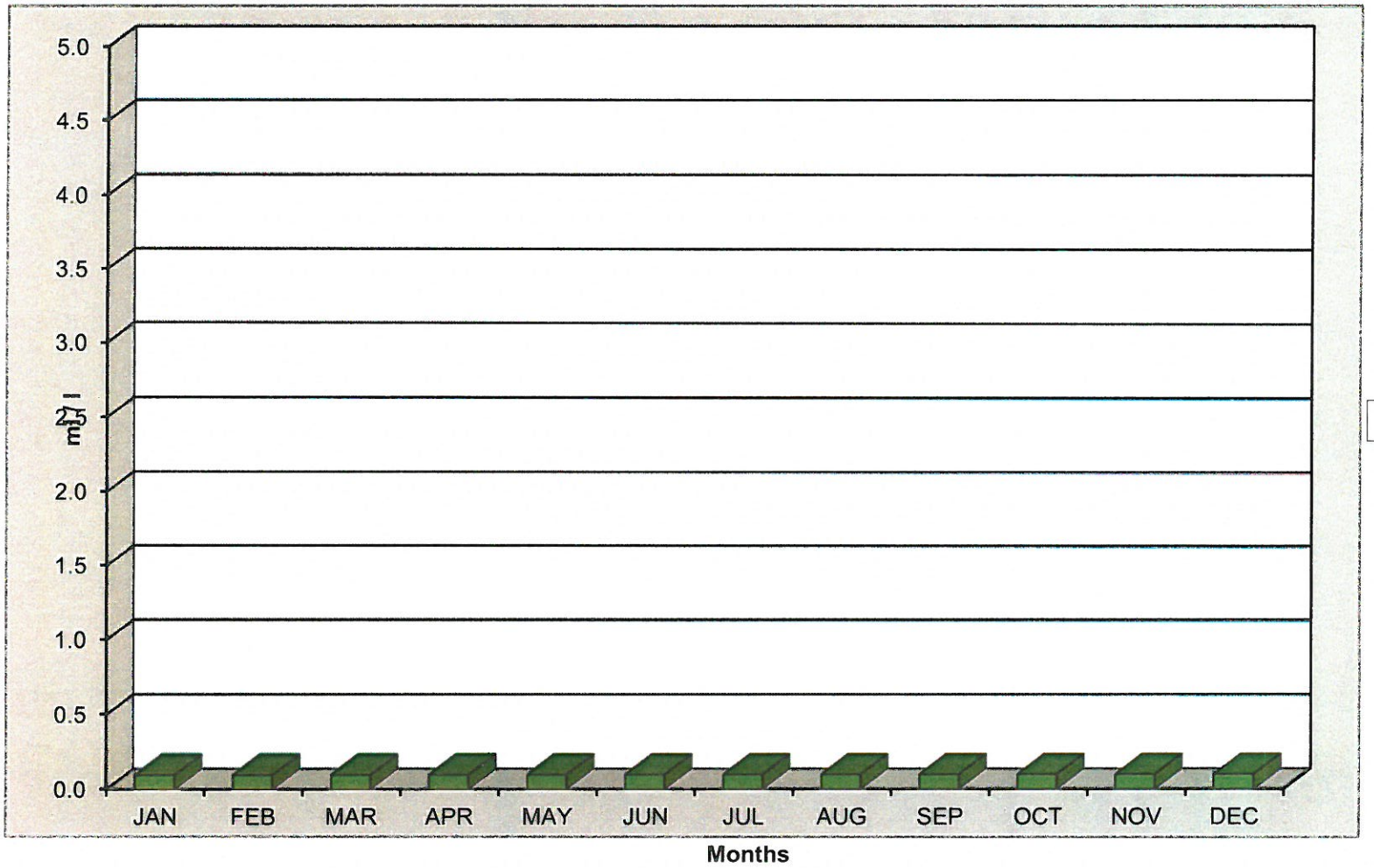
District Final Effluent - Average Settleable Solids - 2022



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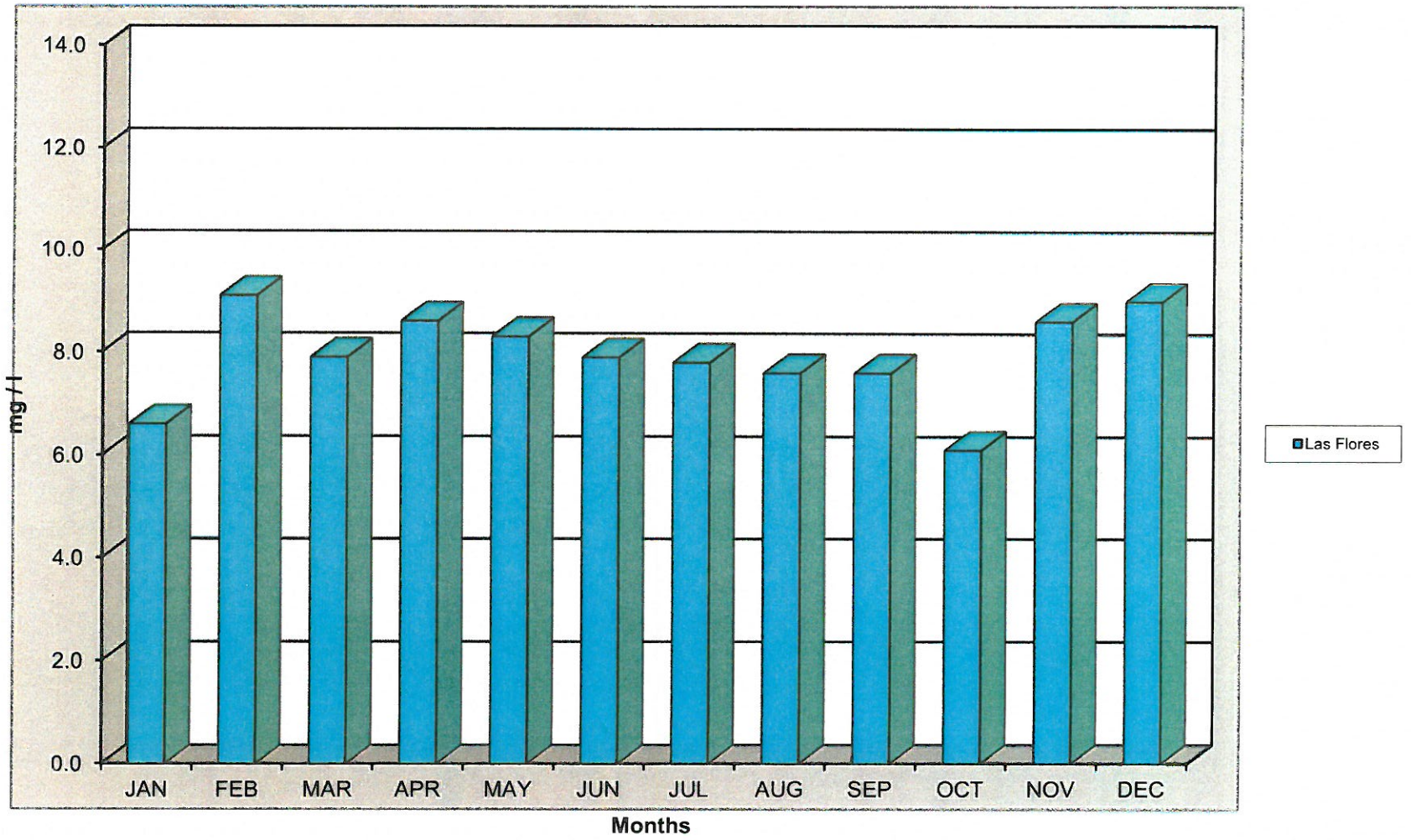
District Final Effluent - Average Dissolved Oxygen - 2022



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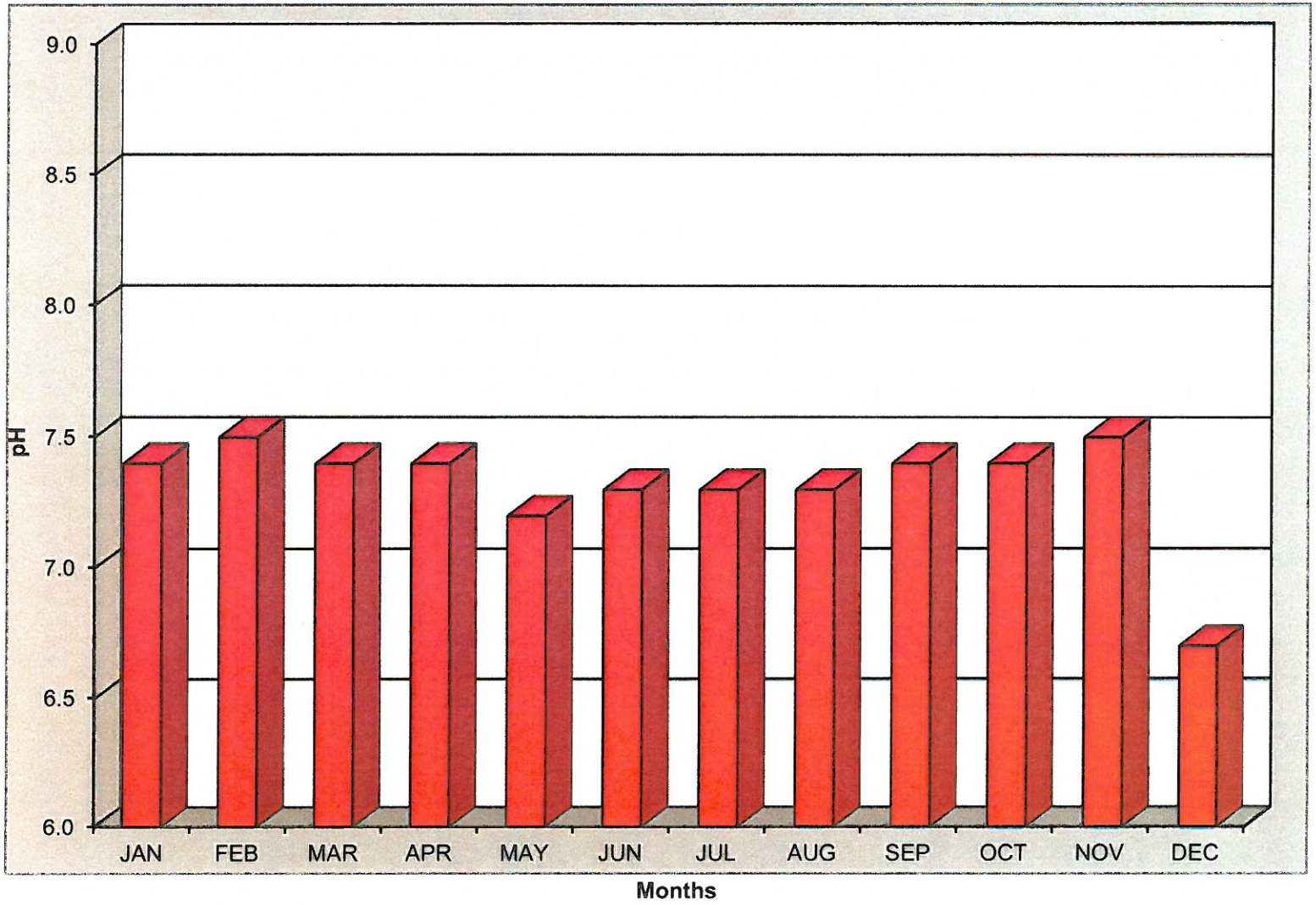
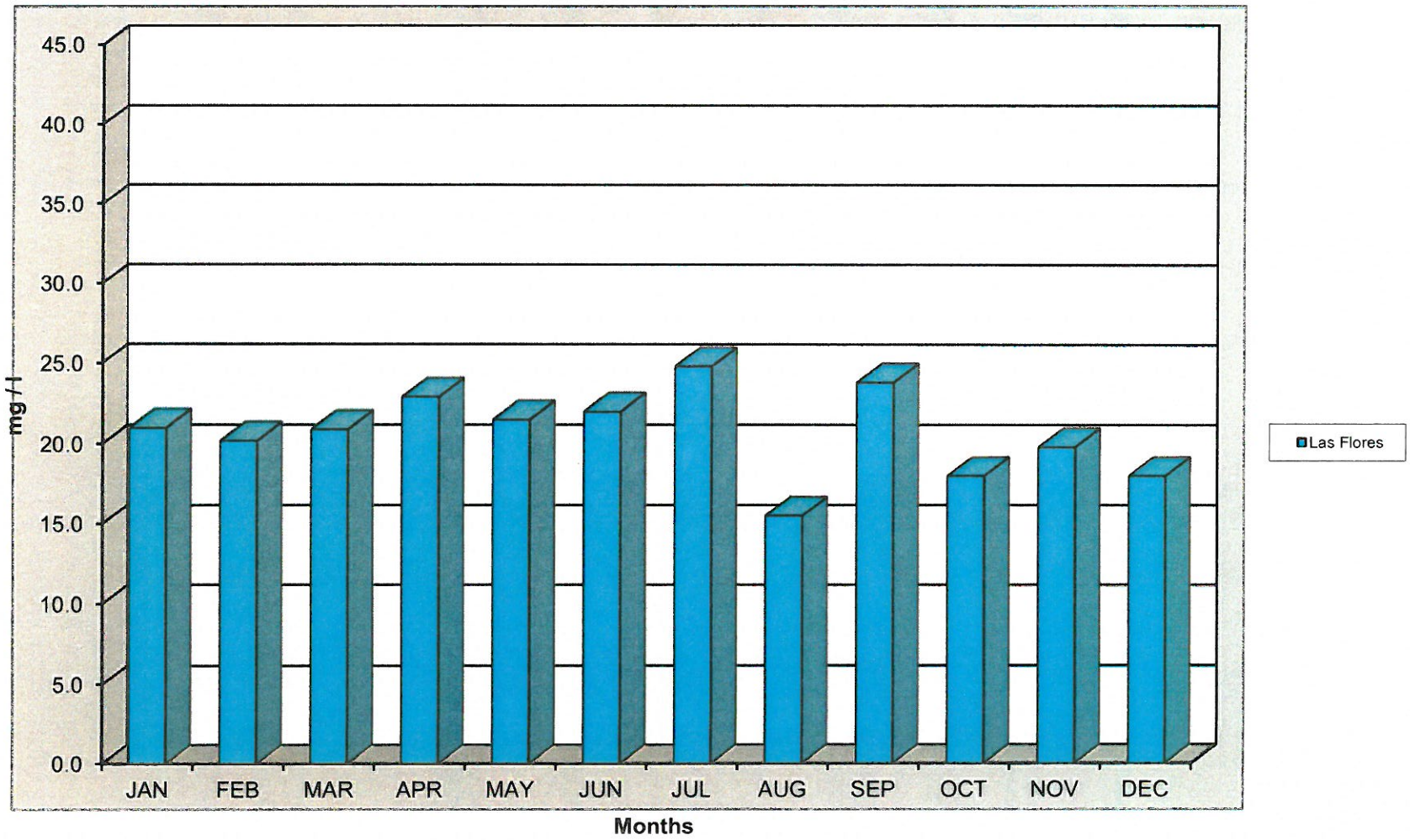
District Final Effluent - pH - 2022



01/02 des

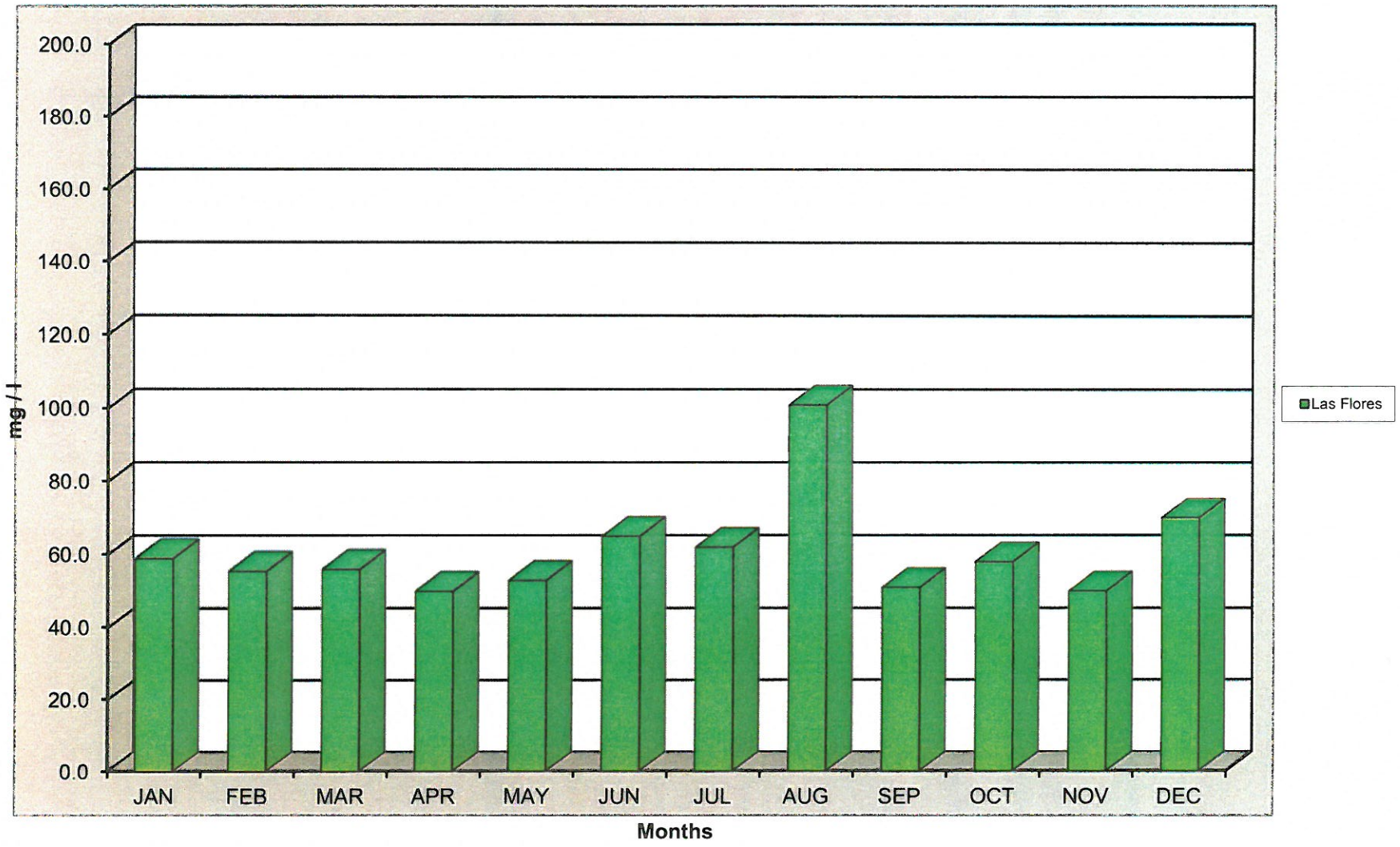
CRESTLINE SANITATION DISTRICT

District Final Effluent - Average BOD - 2022



CRESTLINE SANITATION DISTRICT

District Final Effluent - Average COD - 2022



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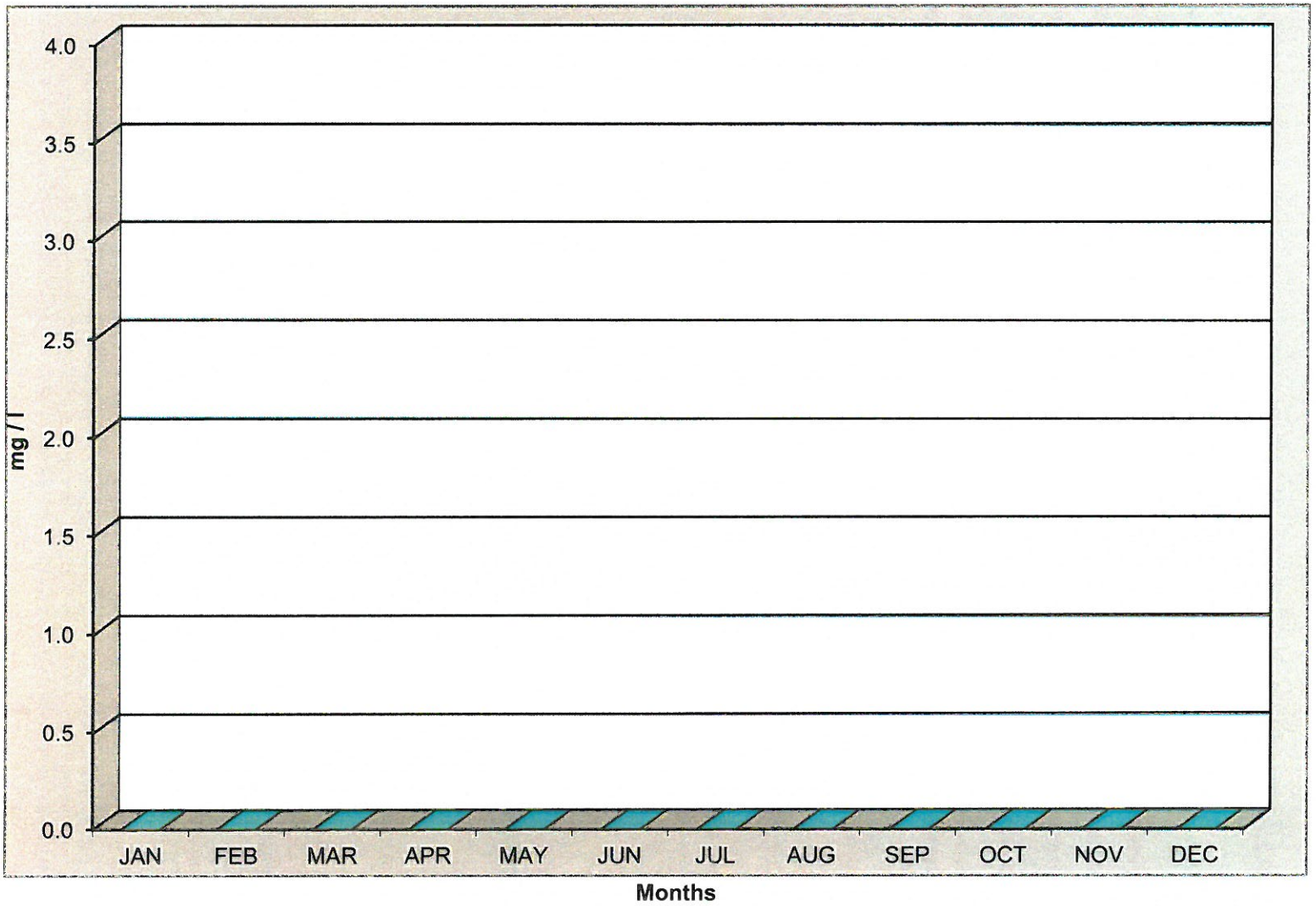
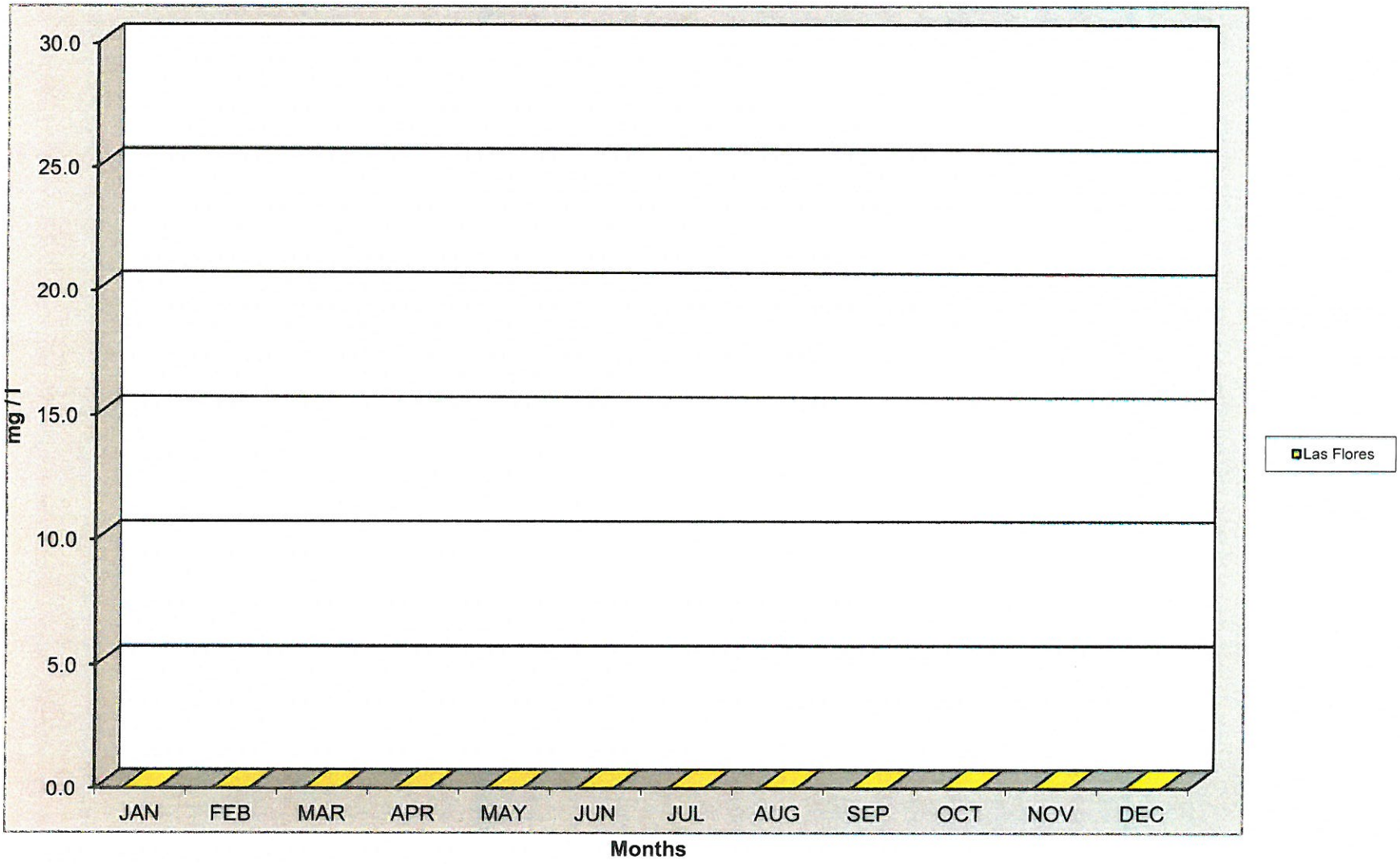
District Final Effluent - Average MBAS - 2022



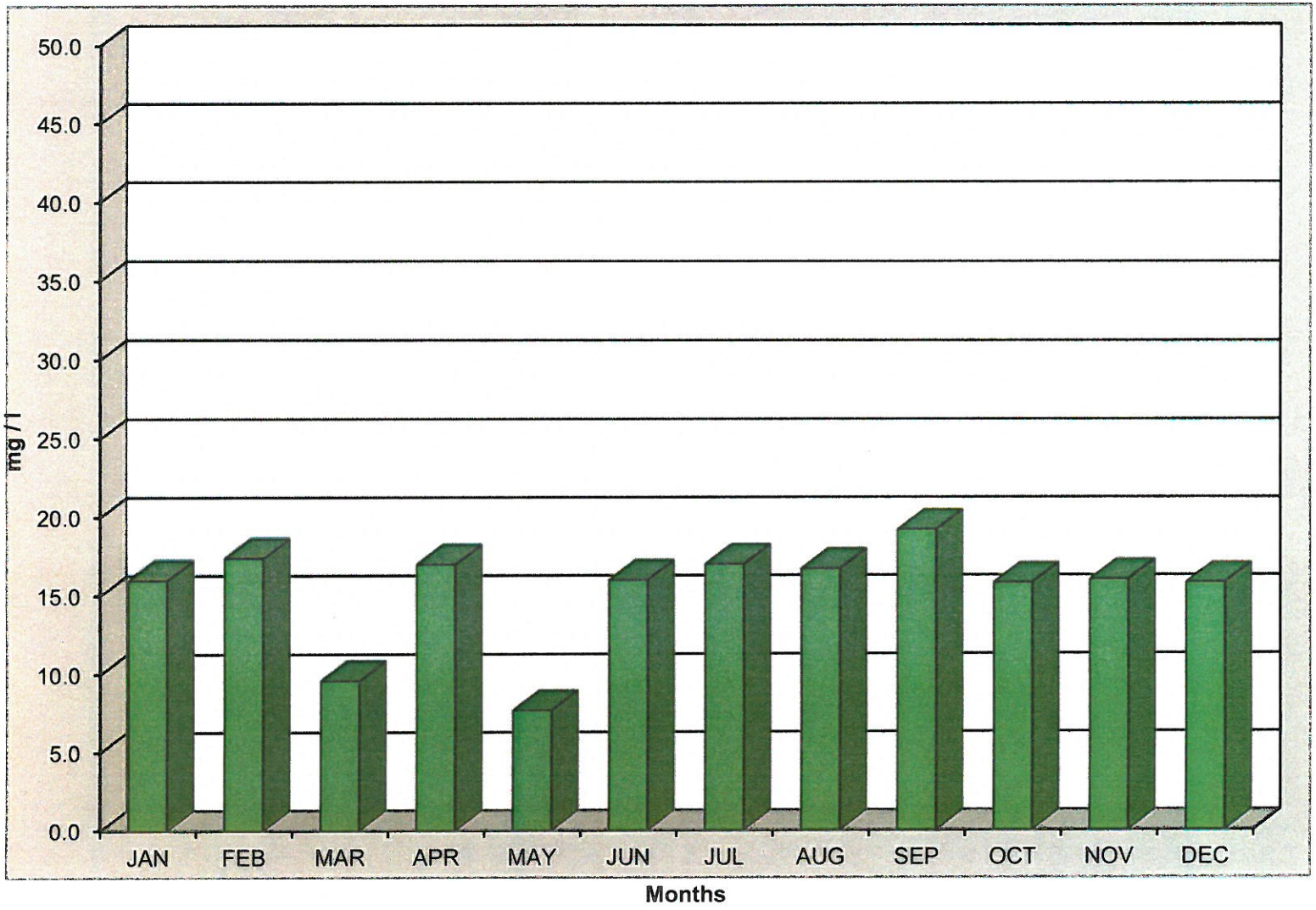
CRESTLINE SANITATION DISTRICT

District Final Effluent - Average Oil & Grease - 2022



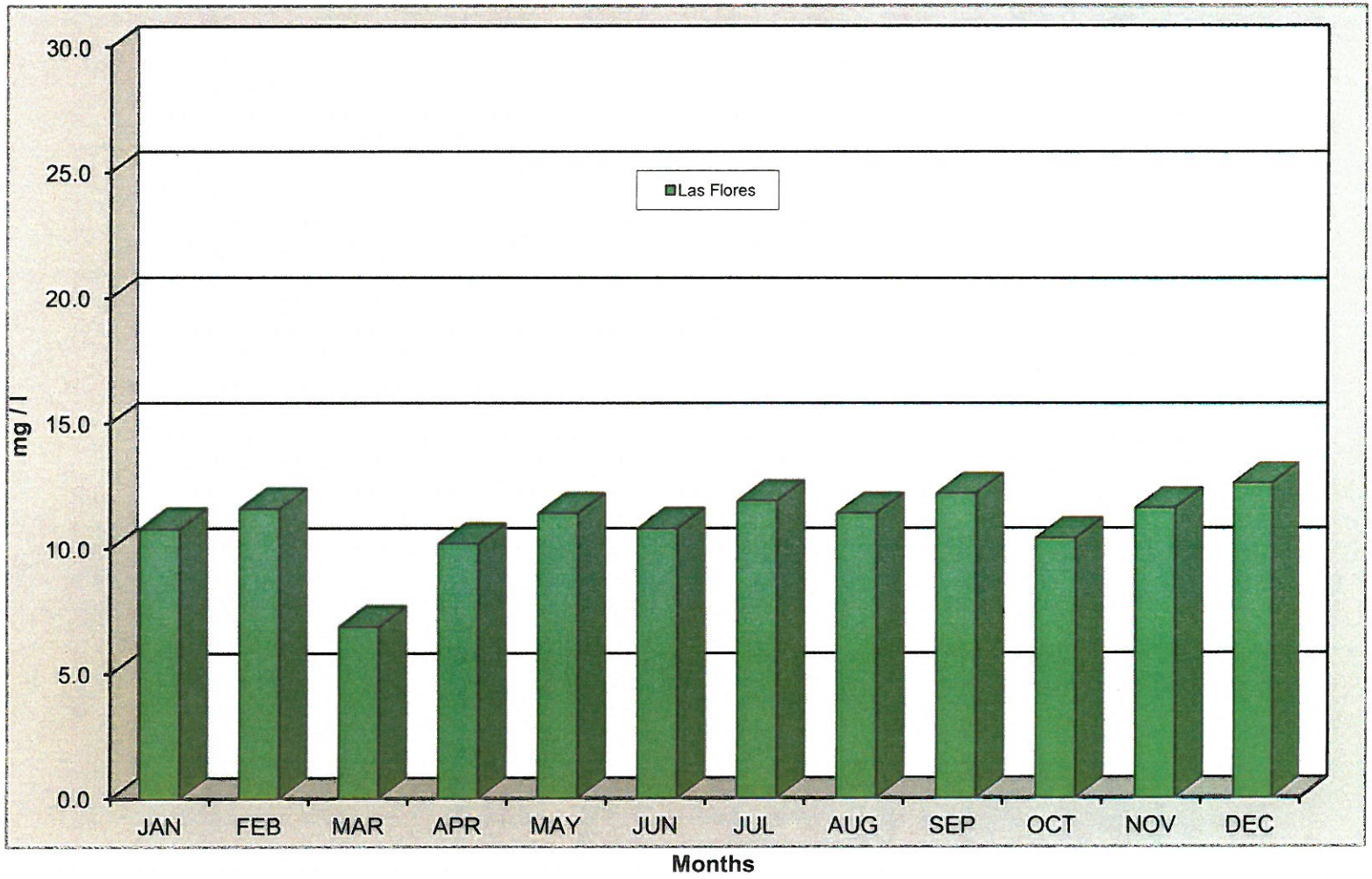
CRESTLINE SANITATION DISTRICT

District Final Effluent - Average Kjeldahl Nitrogen - 2022



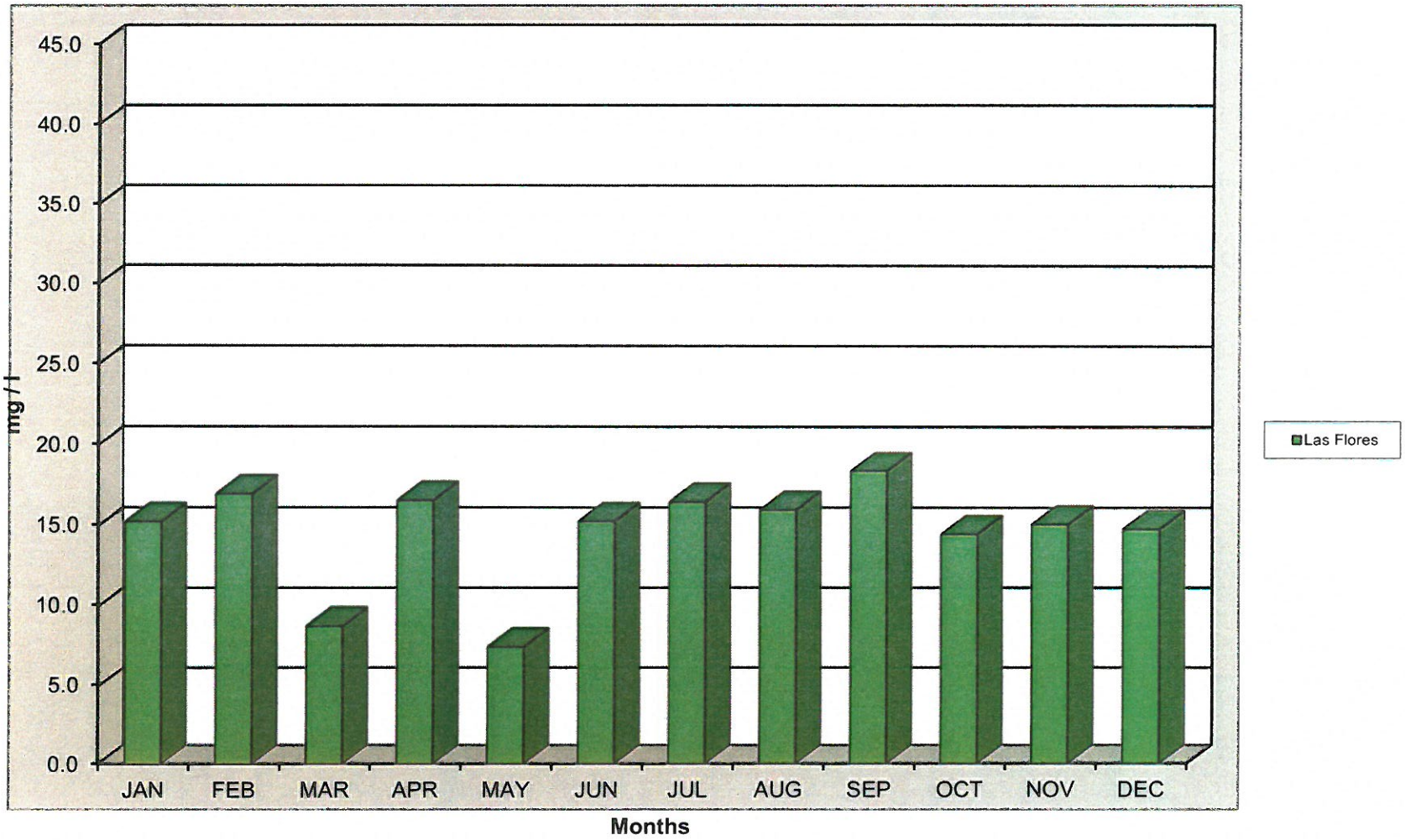
CRESTLINE SANITATION DISTRICT

District Final Effluent - Average Nitrate Nitrogen -2022



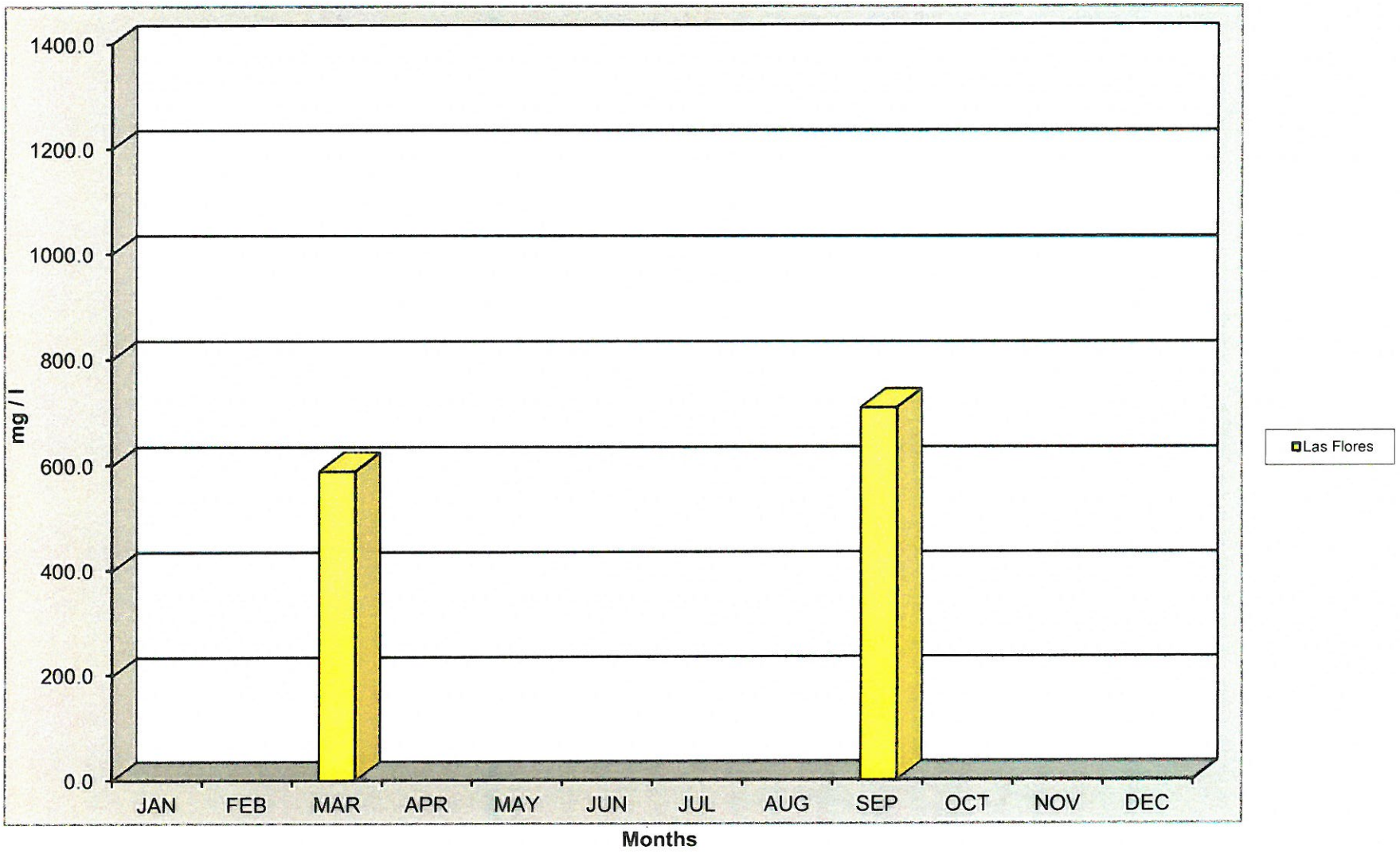
CRESTLINE SANITATION DISTRICT

District Final Effluent - Average Ammonia Nitrogen - 2022



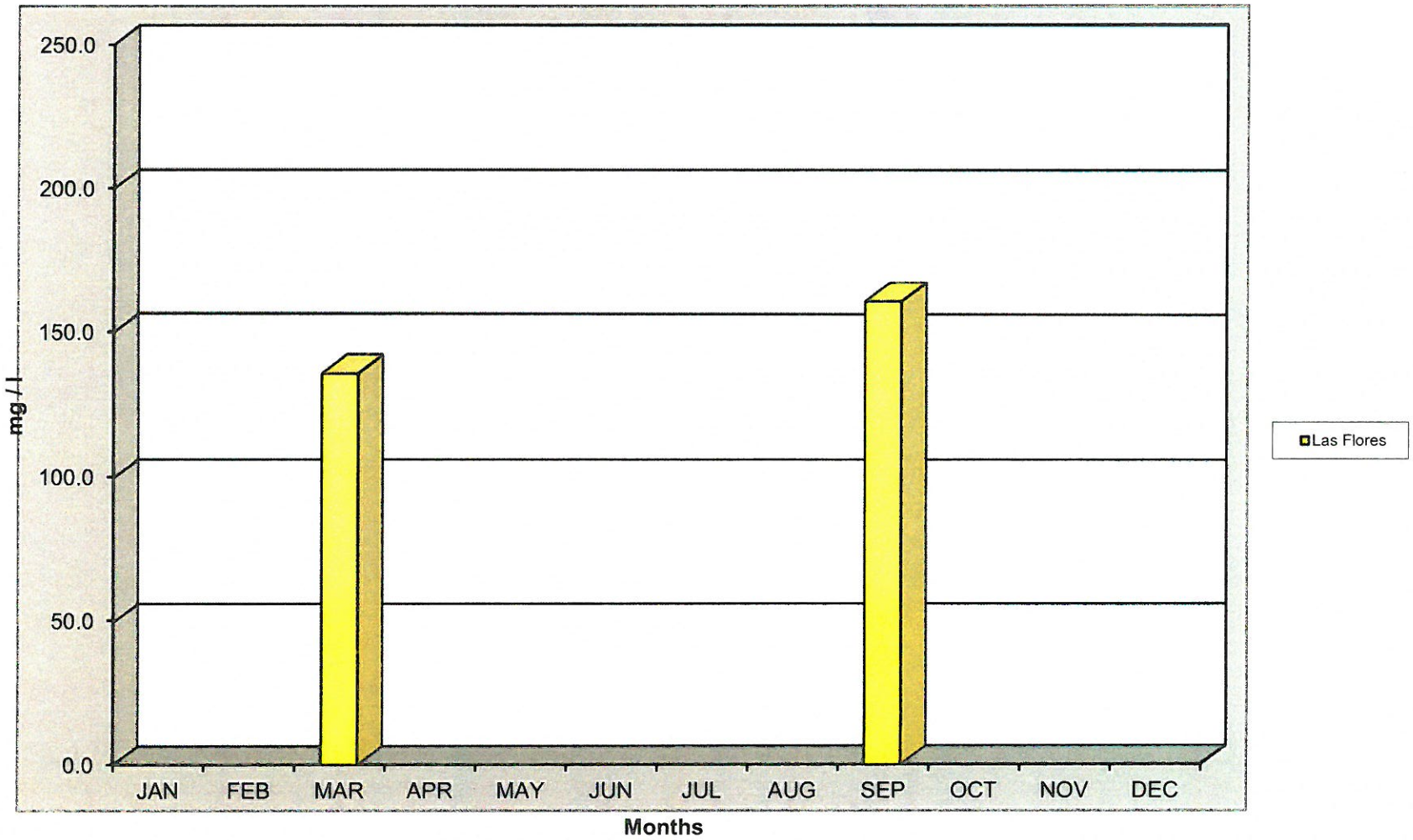
CRESTLINE SANITATION DISTRICT

District Final Effluent - Semi & Annual Testing - TDS - 2022



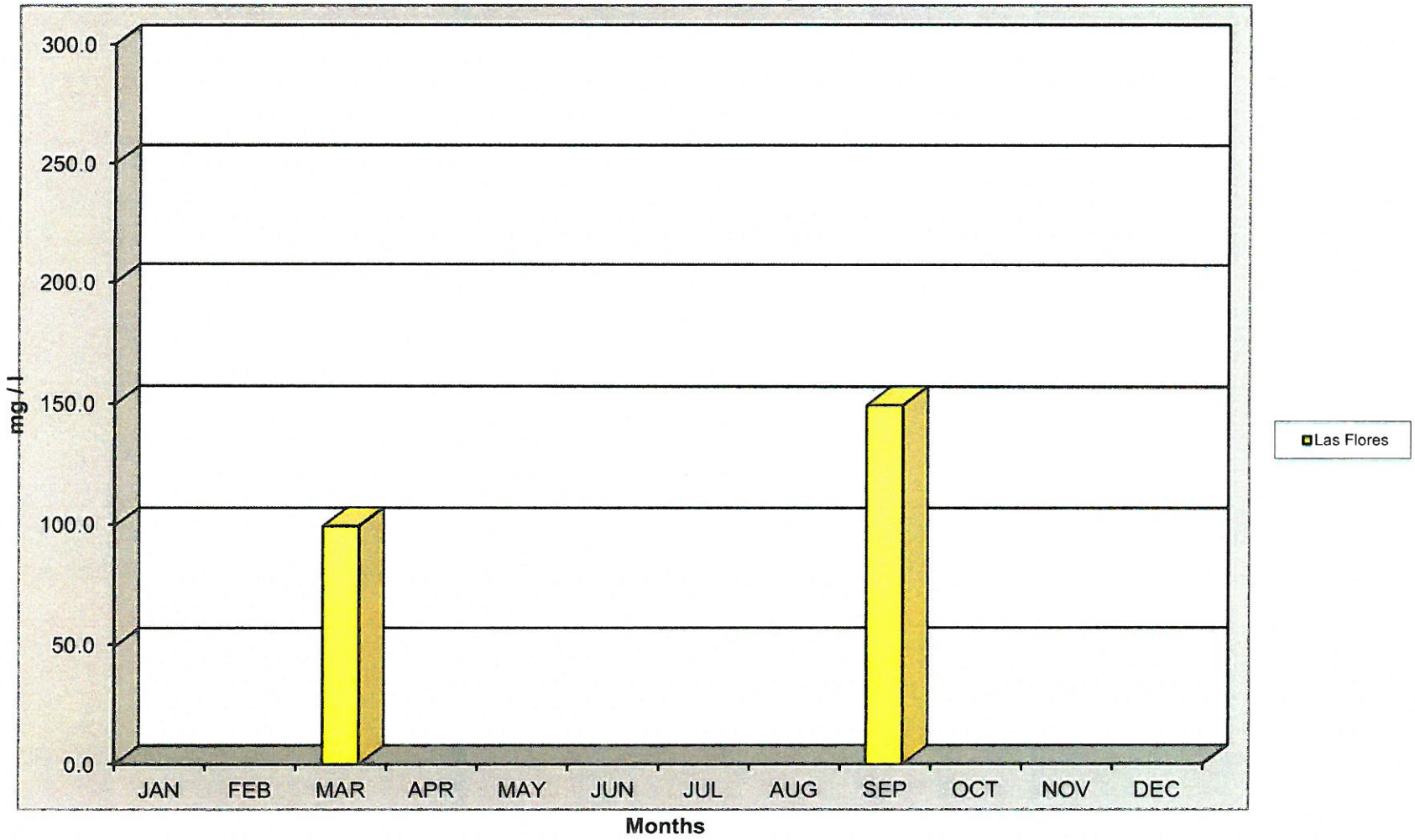
CRESTLINE SANITATION DISTRICT

District Final Effluent - Semi & Annual Testing - Chloride - 2022



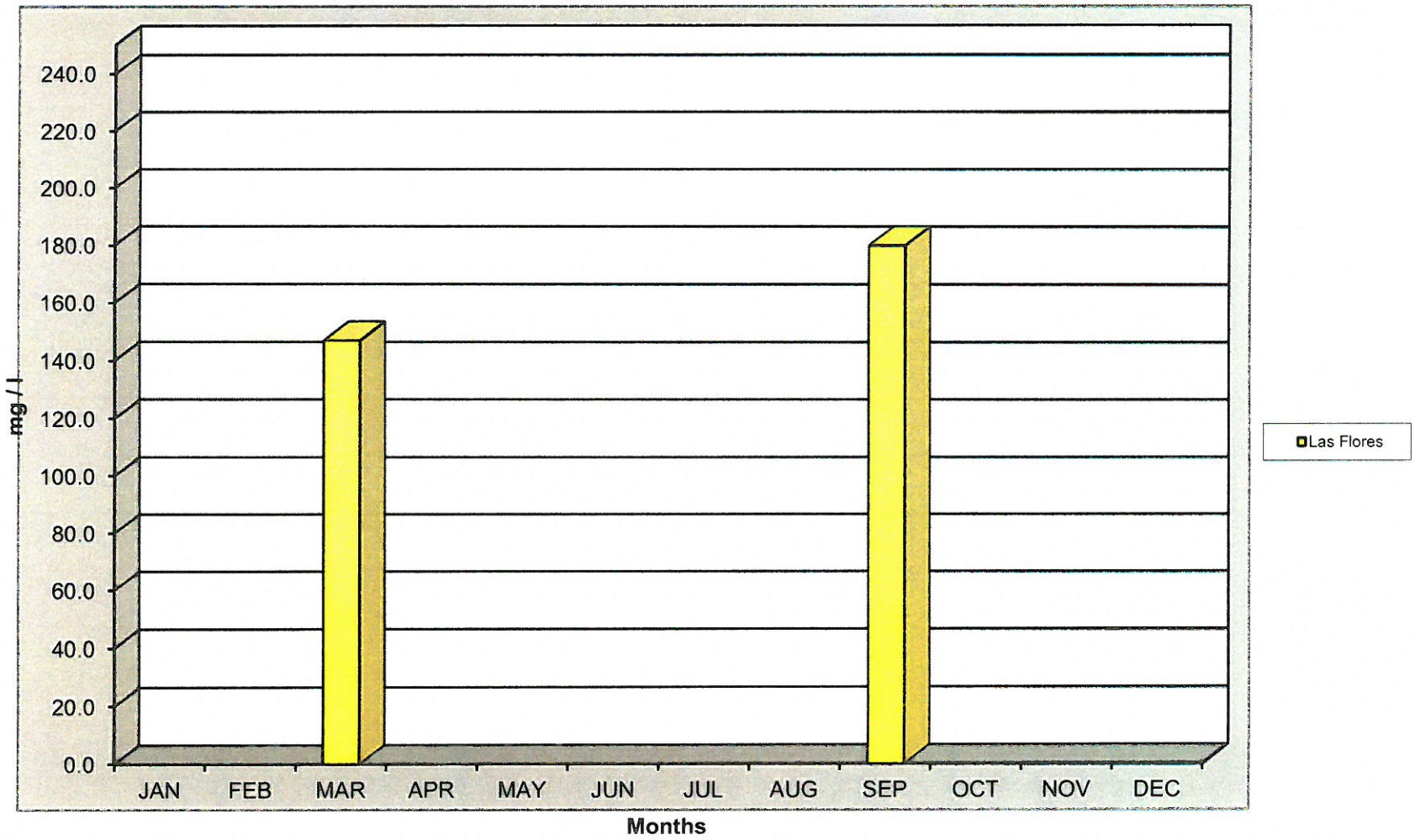
CRESTLINE SANITATION DISTRICT

District Final Effluent - Semi & Annual Testing - Sodium - 2022



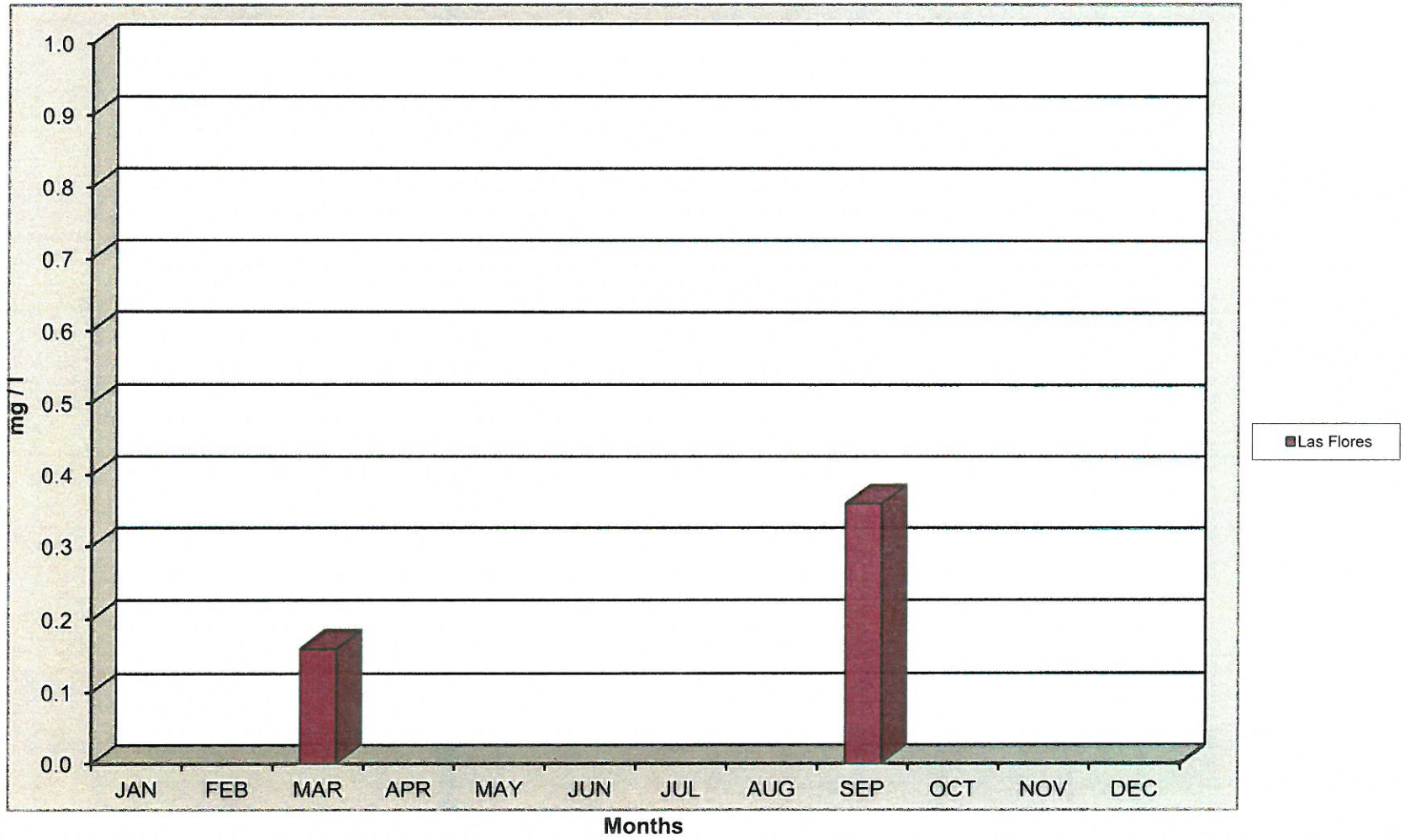
CRESTLINE SANITATION DISTRICT

District Final Effluent - Semi & Annual Testing - Sulfate - 2022



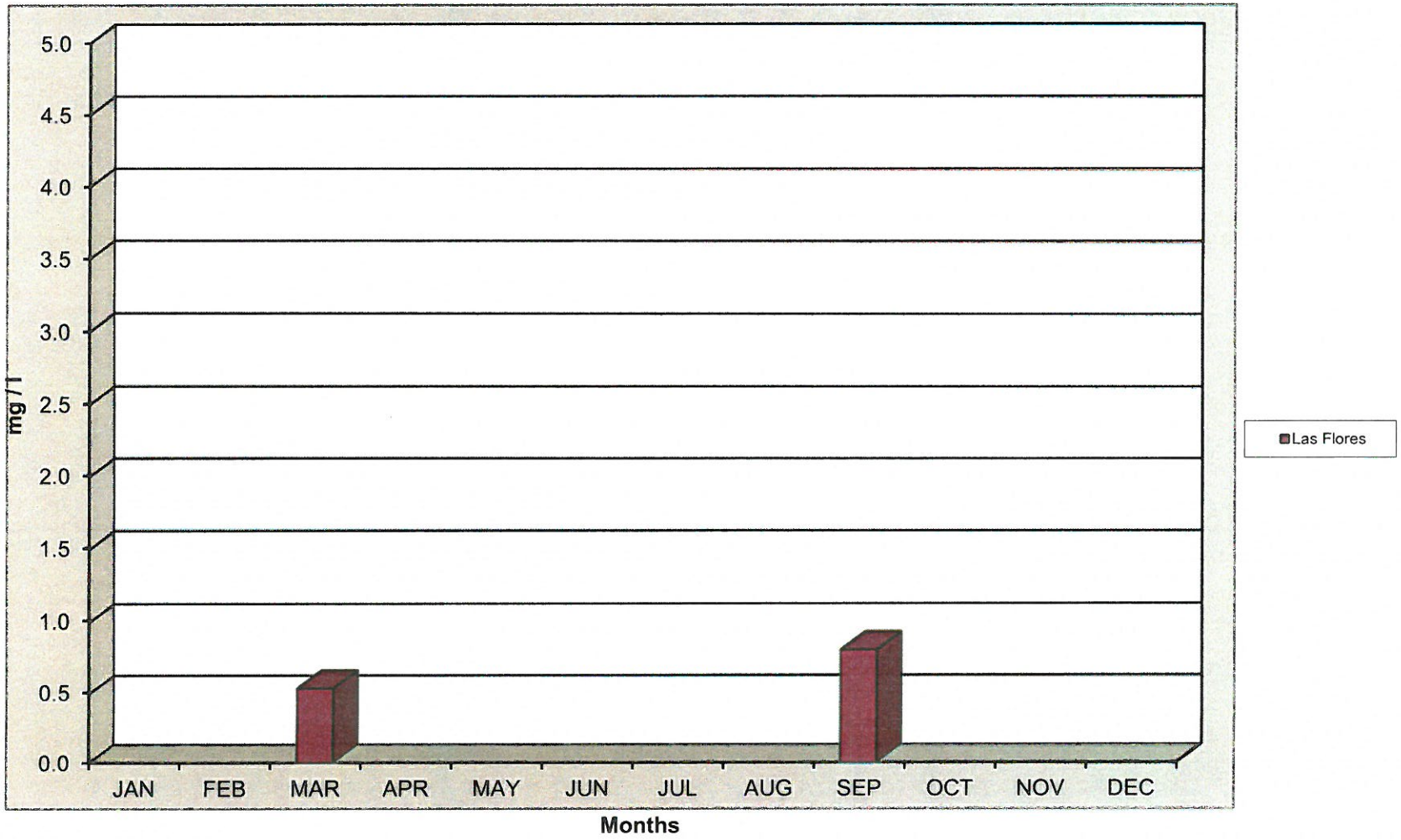
CRESTLINE SANITATION DISTRICT

District Final Effluent - Semi & Annual Testing - Boron - 2022



CRESTLINE SANITATION DISTRICT

District Final Effluent - Semi & Annual Testing - Flouride - 2022



CRESTLINE SANITATION DISTRICT
ANNUAL REPORT

Sludge Monitoring

Year: 2022

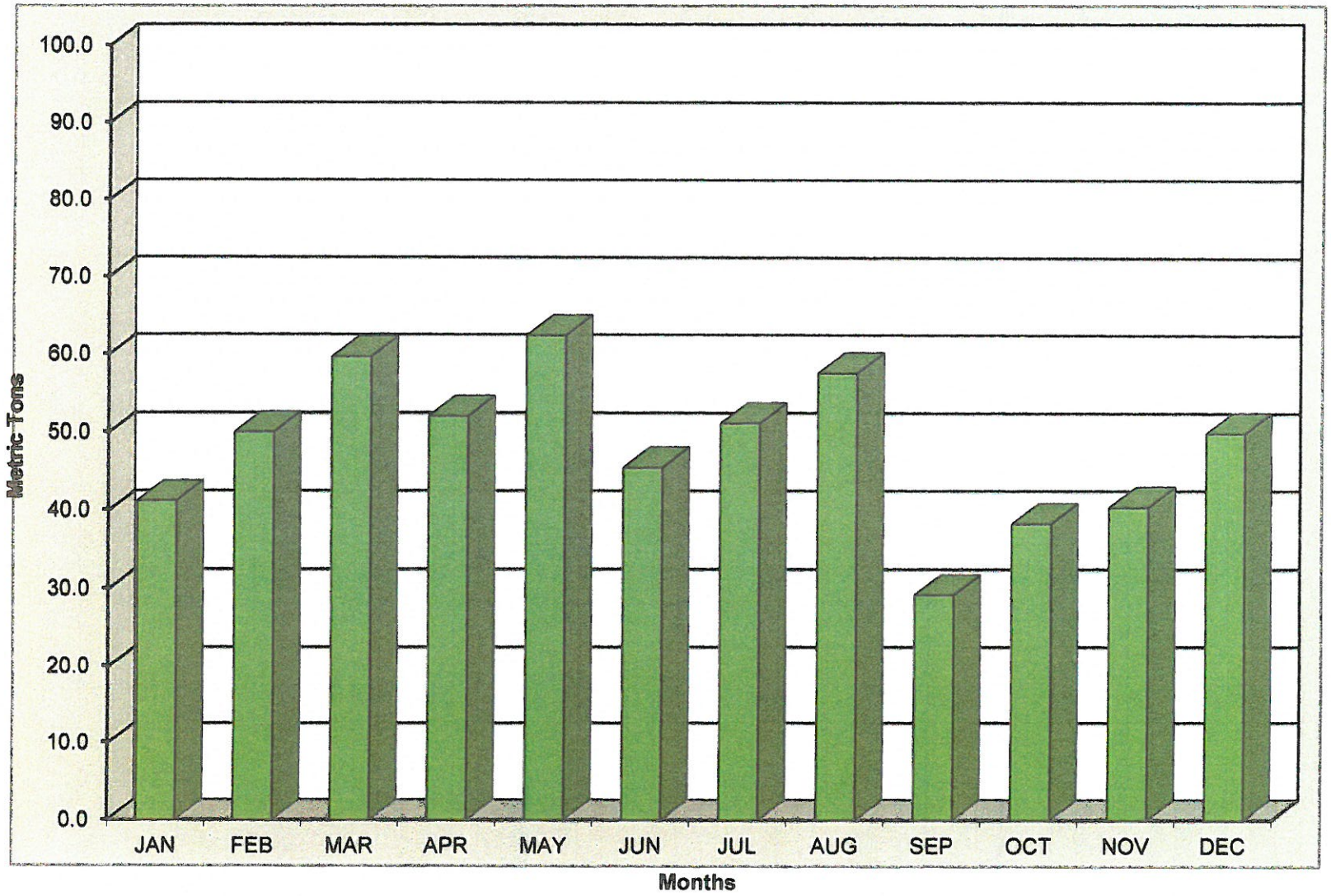
Month	Sludge Generated	Sludge Removed from Site	Sludge Disposal Method	Sludge Stockpiled on Site
January	41.3 tons	41.3 Tons	(a)	0.0 Tons
February	50.1 tons	50.1 Tons	(a)	0.0 Tons
March	59.8 tons	59.8 Tons	(a)	0.0 Tons
April	52.2 tons	52.2 Tons	(a)	0.0 Tons
May	62.5 tons	62.5 Tons	(a)	0.0 Tons
June	45.6 tons	45.6 Tons	(a)	0.0 Tons
July	51.3 tons	51.3 Tons	(a)	0.0 Tons
August	57.7 tons	57.7 Tons	(a)	0.0 Tons
September	29.3 tons	29.3 Tons	(a)	0.0 Tons
October	38.4 tons	38.4 Tons	(a)	0.0 Tons
November	40.5 tons	40.5 Tons	(a)	0.0 Tons
December	50.0 tons	50.0 Tons	(a)	0.0 Tons
TOTAL	**578.5** tons	**578.6** Tons	(a)	**0.0** Tons

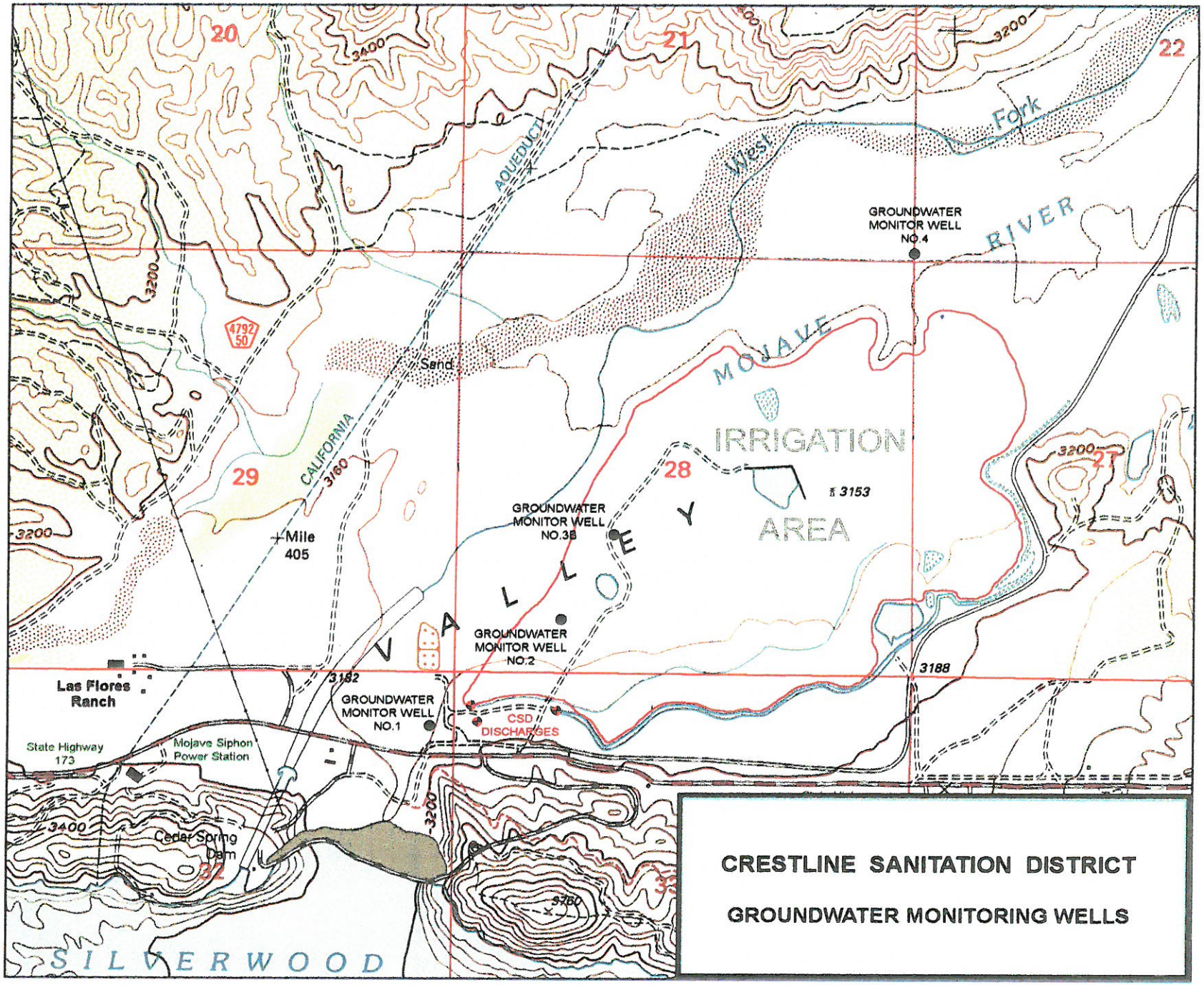
(a) Sludge is collected from Crestline's three treatment plants and Pilot Rock, mixed and pressed at the Huston Creek Treatment Plant. After pressing; the solids are disposed of at One Stop Landscape (13024 San Timoteo Canyon Road, Redlands, CA 92373) for composting and eventual recycling.

Note: *Laboratory Analysis of the sludge is not required at this time in recognition that there are no significant industrial waste imputs to the sewer system, and because sludge sampling is required by the disposal facility that accepts the Discharger's sludge. The Regional Board may require qualitative labroratory testing of the sludge if sludge disposal practices and/or locations, as disclosed in the waste discharge requirements, are altered. (Monitoring and Reporting Program 94-57)*

CRESTLINE SANITATION DISTRICT

Annual Sludge Production per Month - 2022




20
21
22
29
28
27
32
33
3400
3200
3160
3153
3188
3182
3780
AQUEDUCT
West Fork
MOJAVE RIVER
GROUNDWATER MONITOR WELL NO.4
GROUNDWATER MONITOR WELL NO.3B
GROUNDWATER MONITOR WELL NO.2
GROUNDWATER MONITOR WELL NO.1
IRRIGATION AREA
VALLEY
Sand
CALIFORNIA
Mile 405
4792
50
Las Flores Ranch
State Highway 173
Mojave Siphon Power Station
Cedar Spring Dam
CSD DISCHARGES
SILVERWOOD
CRESTLINE SANITATION DISTRICT
GROUNDWATER MONITORING WELLS

CRESTLINE SANITATION DISTRICT

ANNUAL REPORT

Pasture Monitoring Well Number 1

Laboratory Monitoring Data

Year: 2022

Frequency	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	
Sample Type	A	A	A	A	A	A	A	A	A	
Sample	Sulfate	Sodium	MBAS	Chloride	TDS	TKN	NH3-N	NO3-N	Water Depth	Well
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	feet *	Number
JANUARY										
FEBRUARY										
MARCH	142.0	80.0	ND	16.6	300	0.23	0.21	1.80	3155.2	1
APRIL										
MAY										
JUNE	138.0	77.0	ND	18.6	280	0.22	0.20	1.80	3150.1	1
JULY										
AUGUST										
SEPTEMBER	138.0	90.0	ND	19.0	290	0.22	0.20	1.80	3147.4	1
OCTOBER										
NOVEMBER										
DECEMBER	160.0	78.0	ND	19.6	340	0.20	0.19	1.50	3155.9	1

A - Monitoring Requirement

* = Depth in feet from surface to groundwater

Lab results of ND (none detected) entered as 0.0 for graphing purpose

CRESTLINE SANITATION DISTRICT

Pasture Monitoring Well Number 2
Laboratory Monitoring Data

Year: **2022**

Frequency	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	
Sample Type	A	A	A	A	A	A	A	A	A	
Sample	**Sulfate**	**Sodium**	**MBAS**	**Chloride**	**TDS**	**TKN**	**NH3-N**	**NO3-N**	**Water Depth**	**Well**
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	feet *	**Number**
JANUARY										
FEBRUARY										
MARCH	133.0	86.0	ND	124.0	520	0.32	0.30	7.40	3157.3	2
APRIL										
MAY										
JUNE	127.0	84.0	ND	132.0	530	0.23	0.21	7.20	3152.4	2
JULY										
AUGUST										
SEPTEMBER	114.0	95.0	ND	128.0	510	0.31	0.29	8.10	3149.8	2
OCTOBER										
NOVEMBER										
DECEMBER	130.0	100.0	ND	134.0	560	0.28	0.29	8.00	3151.8	2

A - Monitoring Requirement

* = Depth in feet from surface to groundwater

Lab results of ND (none detected) entered as 0.0 for graphing purpose

CRESTLINE SANITATION DISTRICT

ANNUAL REPORT

Pasture Monitoring Well Number 3

Laboratory Monitoring Data

Year: 2022

Frequency	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	
Sample Type	A	A	A	A	A	A	A	A	A	
Sample	Sulfate	Sodium	MBAS	Chloride	TDS	TKN	NH3-N	NO3-N	Water Depth	Well
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	feet *	Number
JANUARY										
FEBRUARY										
MARCH	129.0	74.0	ND	125.0	480	0.32	0.27	6.40	3152.0	3
APRIL										
MAY										
JUNE	125.0	75.0	ND	126.0	510	0.27	0.24	6.30	3148.8	3
JULY										
AUGUST										
SEPTEMBER	130.0	84.0	ND	130.0	530	0.30	0.27	6.90	3146.3	3
OCTOBER										
NOVEMBER										
DECEMBER	129.0	89.0	ND	126.0	540	0.30	0.28	6.90	3148.3	3

A - Monitoring Requirement

* = Depth in feet from surface to groundwater

Lab results of ND (none detected) entered as 0.0 for graphing purpose

CRESTLINE SANITATION DISTRICT

ANNUAL REPORT

Pasture Monitoring Well Number 4

Laboratory Monitoring Data

Year: 2022

Frequency	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	
Sample Type	A	A	A	A	A	A	A	A	A	
Sample	Sulfate	Sodium	MBAS	Chloride	TDS	TKN	NH3-N	NO3-N	Water Depth	Well
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	feet *	Number
JANUARY										
FEBRUARY										
MARCH	183.0	50.0	ND	138.0	530	0.42	0.40	4.80	3112.4	4
APRIL										
MAY										
JUNE	137.0	46.0	ND	132.0	490	0.30	0.28	5.73	3110.9	4
JULY										
AUGUST										
SEPTEMBER	146.0	50.0	ND	118.0	520	0.32	0.30	4.90	3109.7	4
OCTOBER										
NOVEMBER										
DECEMBER	124.0	56.0	ND	164.0	630	0.37	0.34	5.00	3109.4	4

A - Monitoring Requirement

* = Depth in feet from surface to groundwater

Lab results of ND (none detected) entered as 0.0 for graphing purpose

CRESTLINE SANITATION DISTRICT

ANNUAL REPORT

Pasture Monitoring Wells

Labroratory Monitoring Data

Annual Samples

2022

Frequency	Annual			
Sample Type	A	A	A	
Sample	**Purgable Halocarbons ***	**Purgable Aromatics**	**Base/Neutral/Acid Extractable Organics**	**Well Number**
Units	ug/l	ug/l	ug/l	
Month				
September	**B**	**B**	**B**	**1**
September	**B**	**B**	**B**	**2**
September	**B**	**B**	**B**	**3**
September	**B**	**B**	**B**	**4**

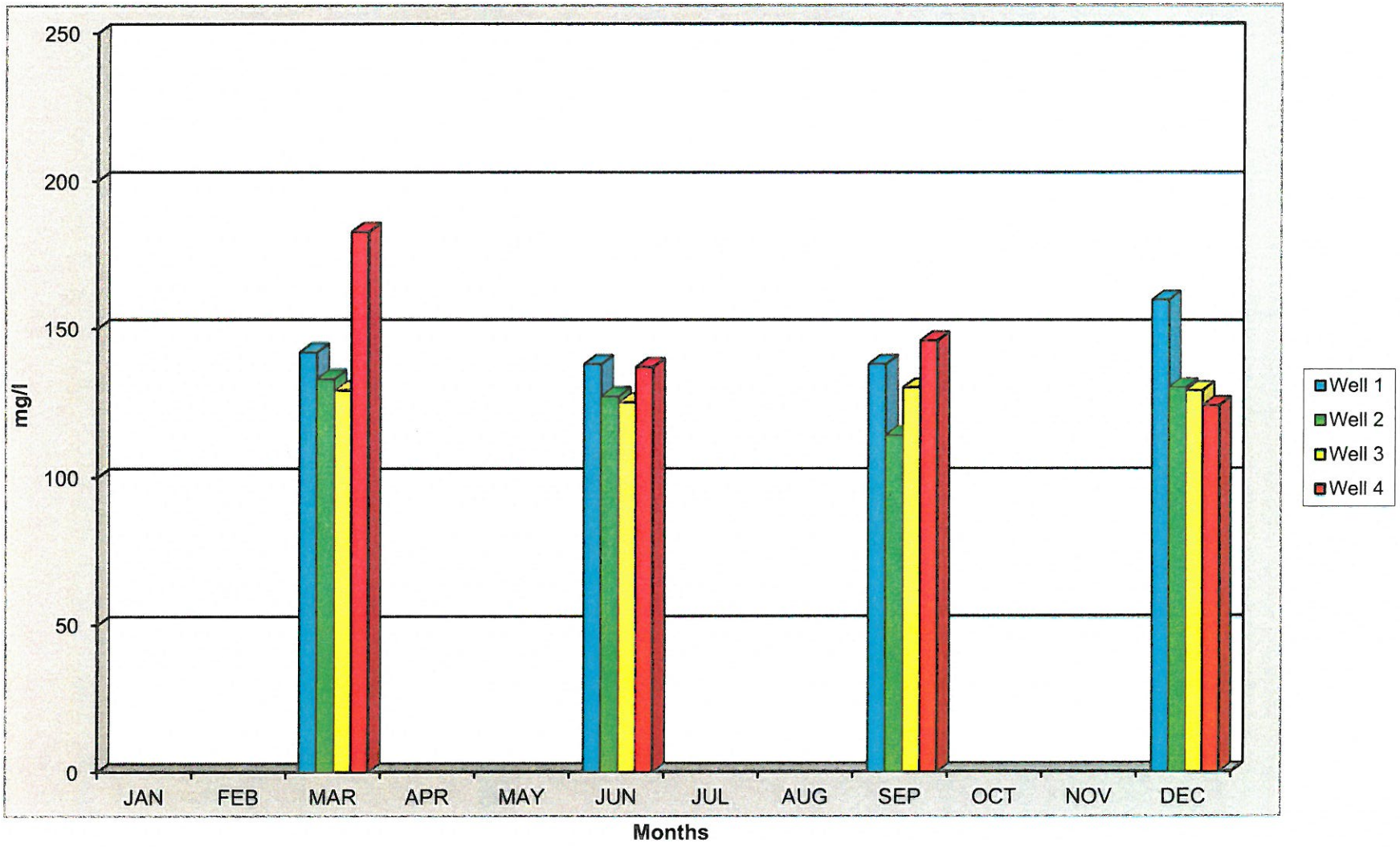
A - Monitoring Requirement

B - For Sample Results see Appendix "B"

* Analysis shall be conducted for those substances included on the EPA list of priority pollutants and all other toxic substances known to be discharged to the Discharger's system using EPA test methods 603, 608, 624, 625 and other appropriate tests for heavy metals.

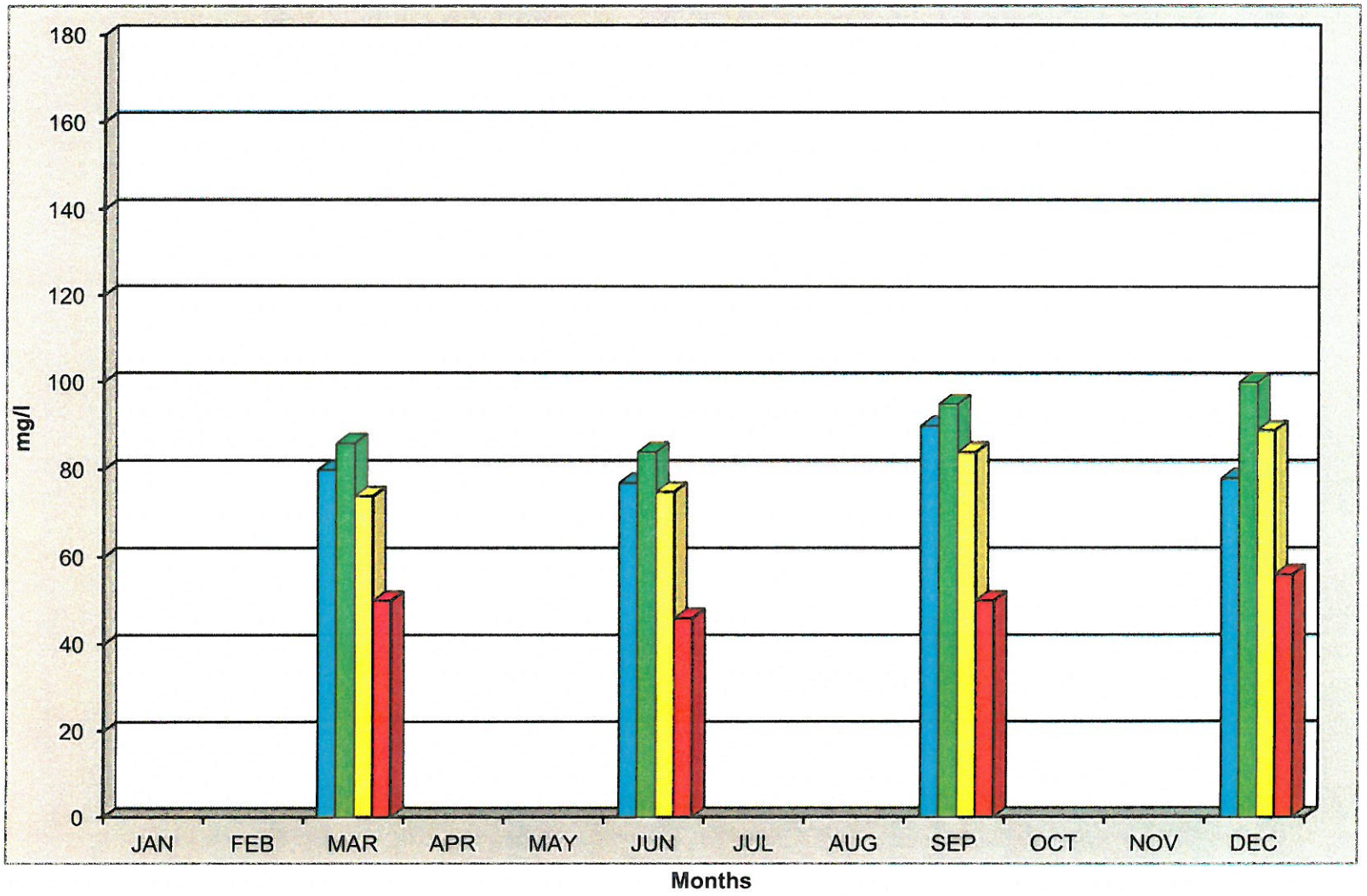
CRESTLINE SANITATION DISTRICT

Pasture Monitoring Well Testing - Sulfate - 2022



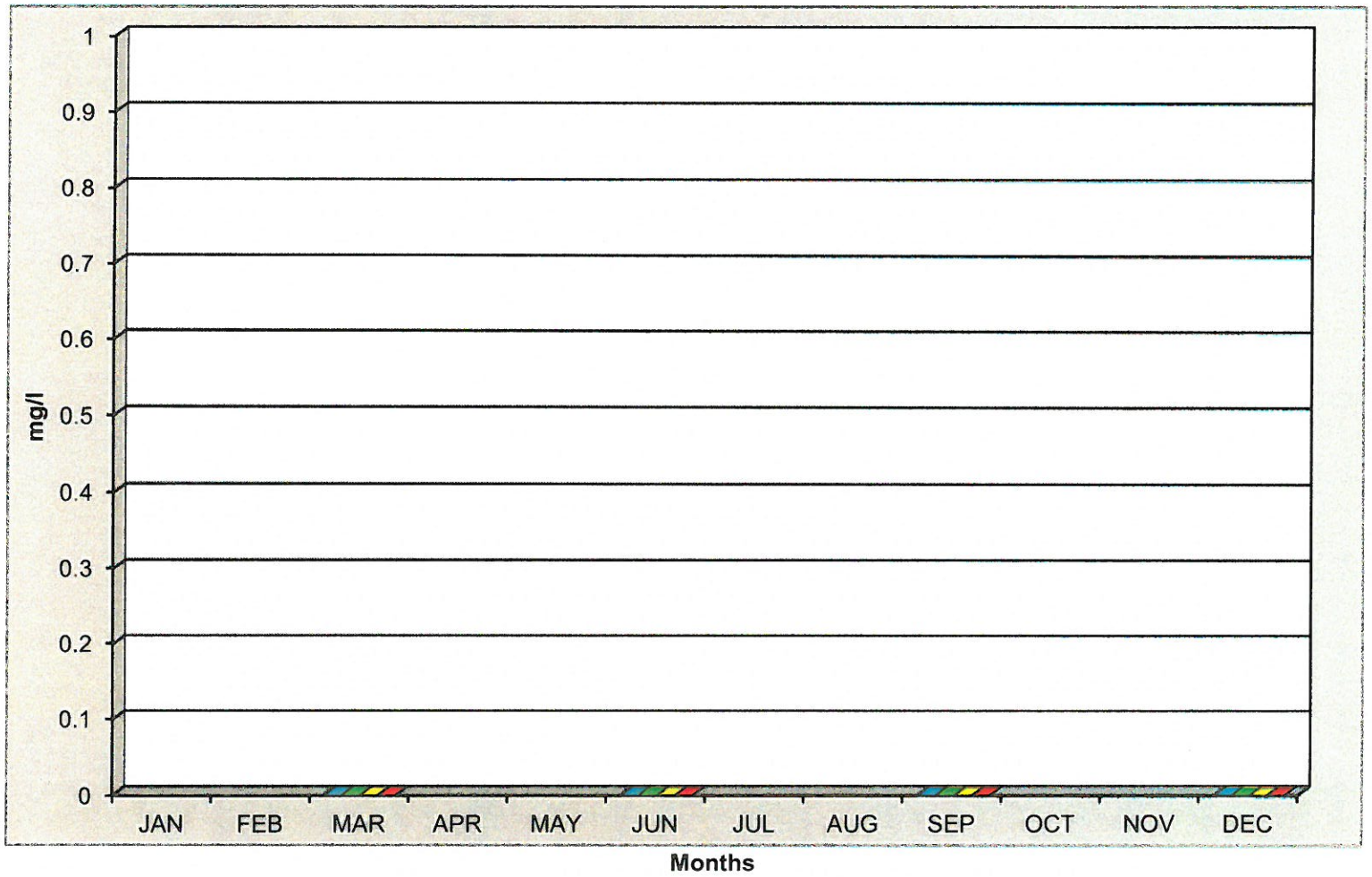
CRESTLINE SANITATION DISTRICT

Pasture Monitoring Well Testing - Sodium - 2022



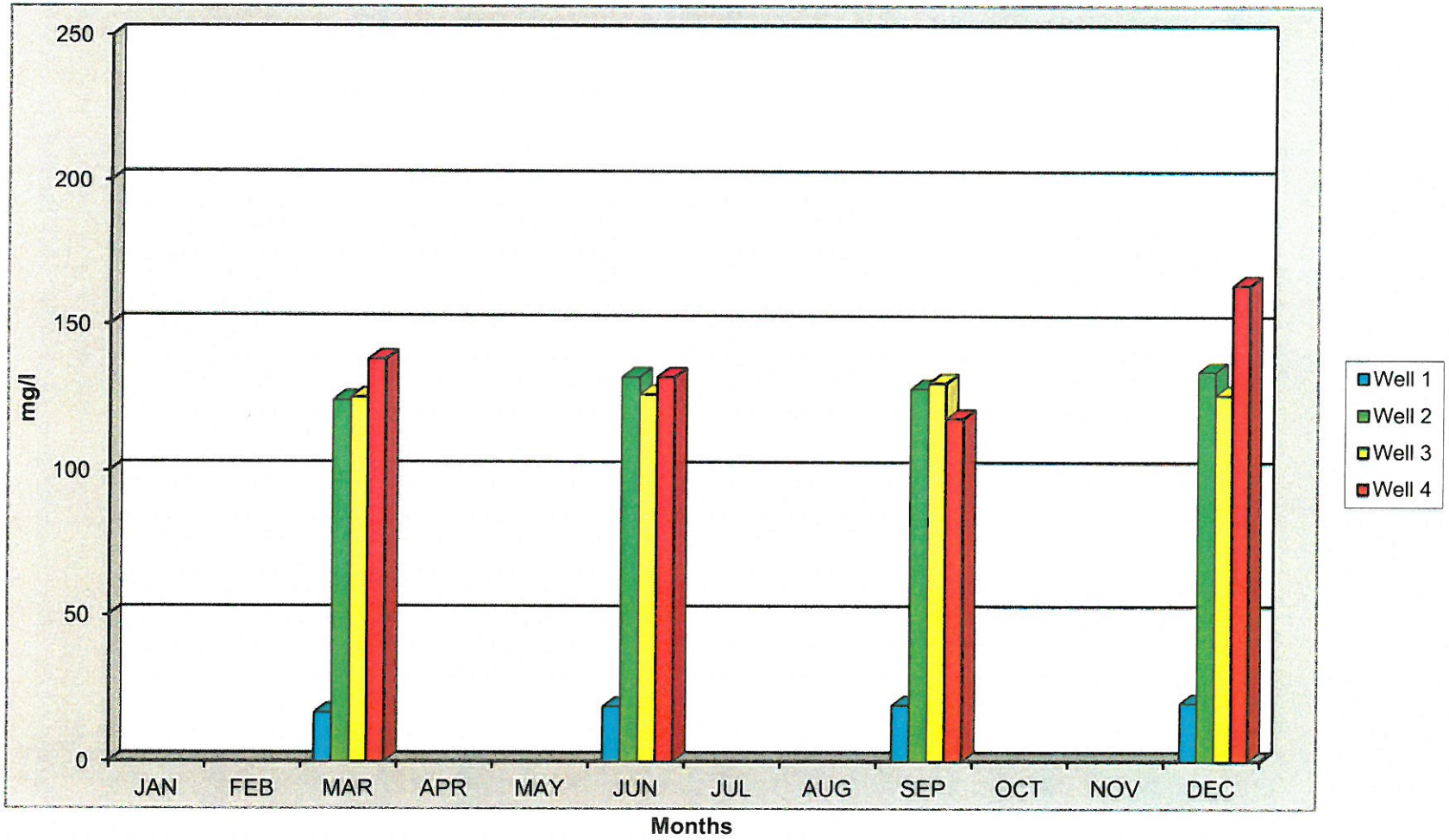
CRESTLINE SANITATION DISTRICT

Pasture Monitoring Well Testing - MBAS - 2022



CRESTLINE SANITATION DISTRICT

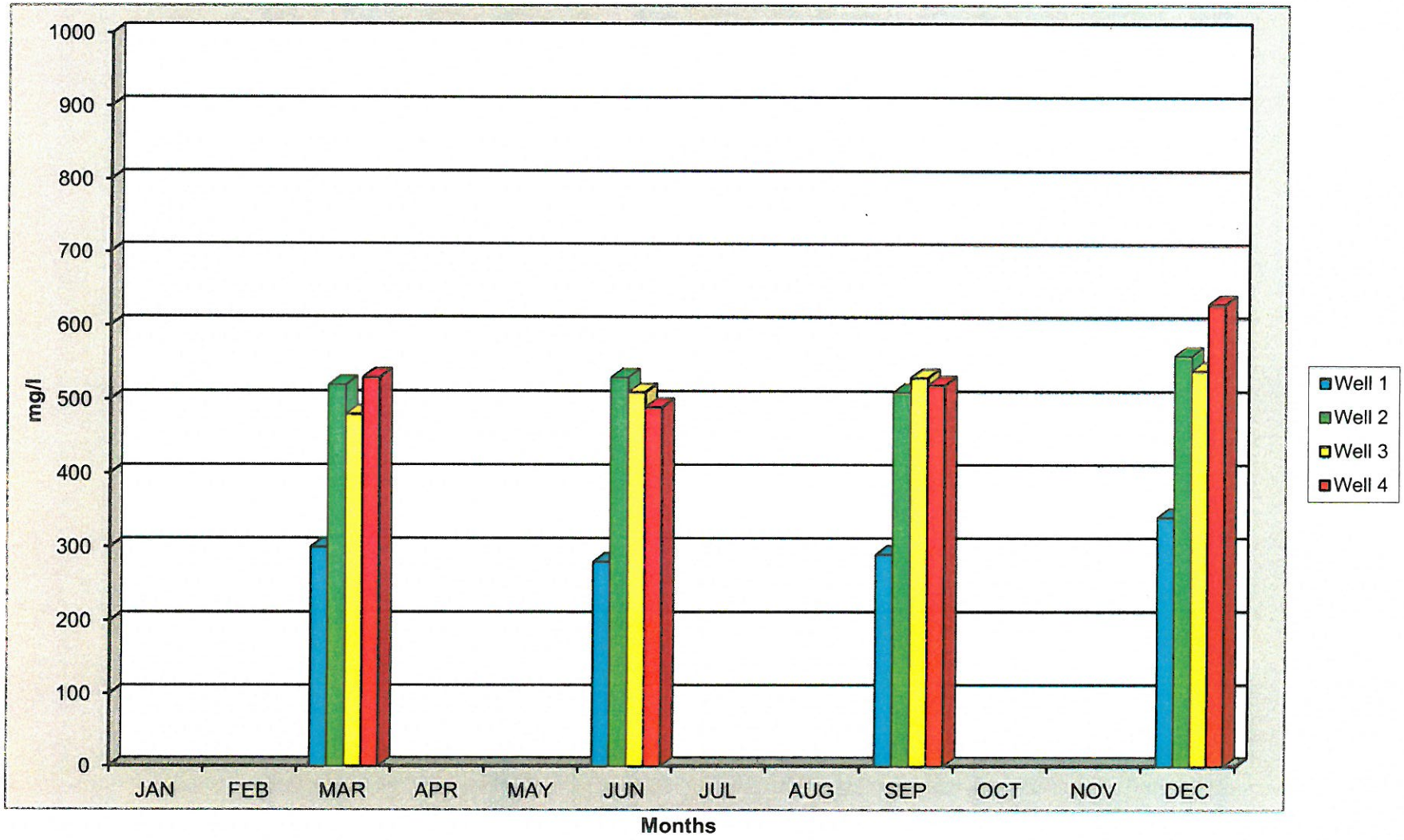
Pasture Monitoring Well Testing - Chloride - 2022



01/02 des

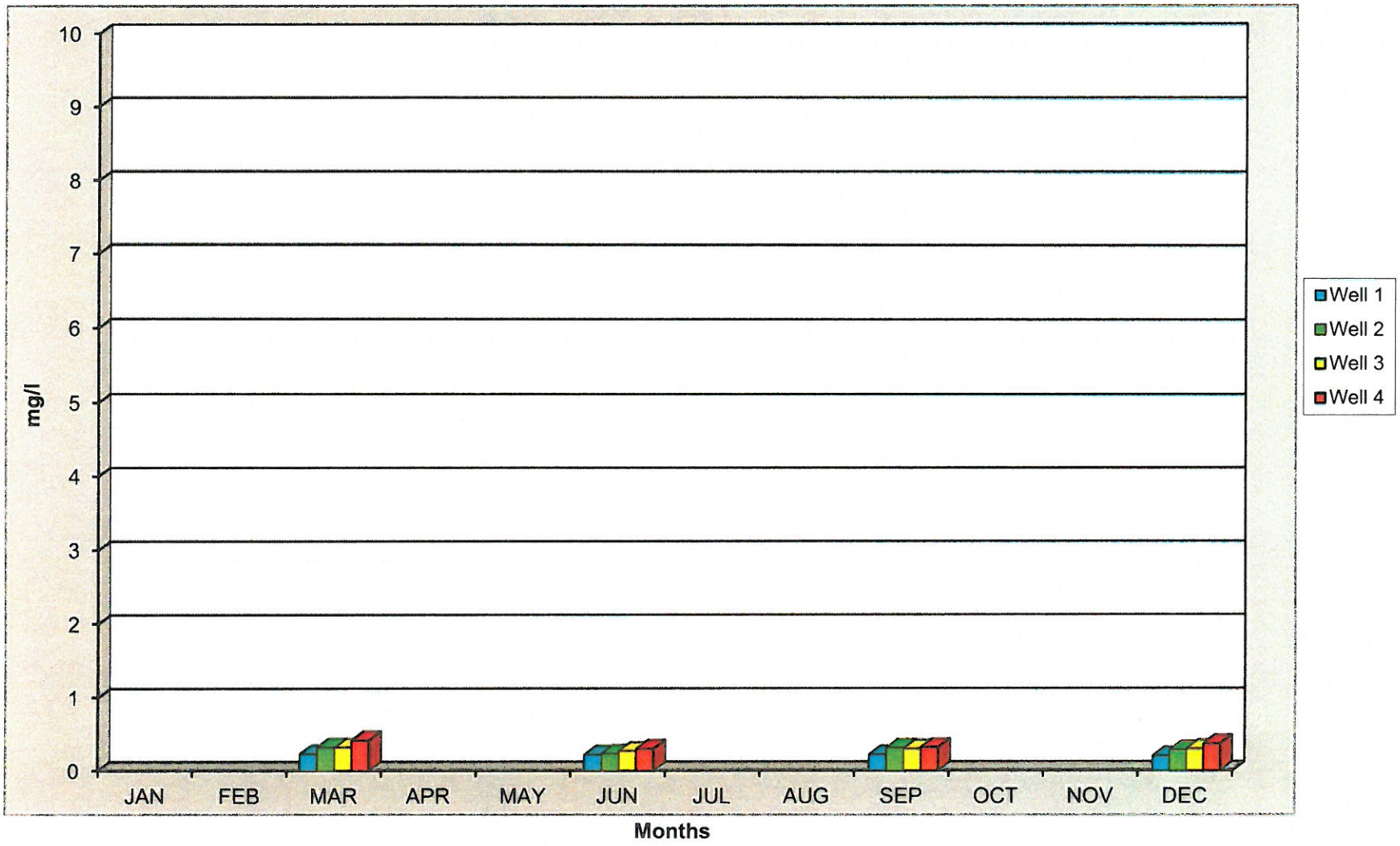
CRESTLINE SANITATION DISTRICT

Pasture Monitoring Well Testing - TDS - 2022



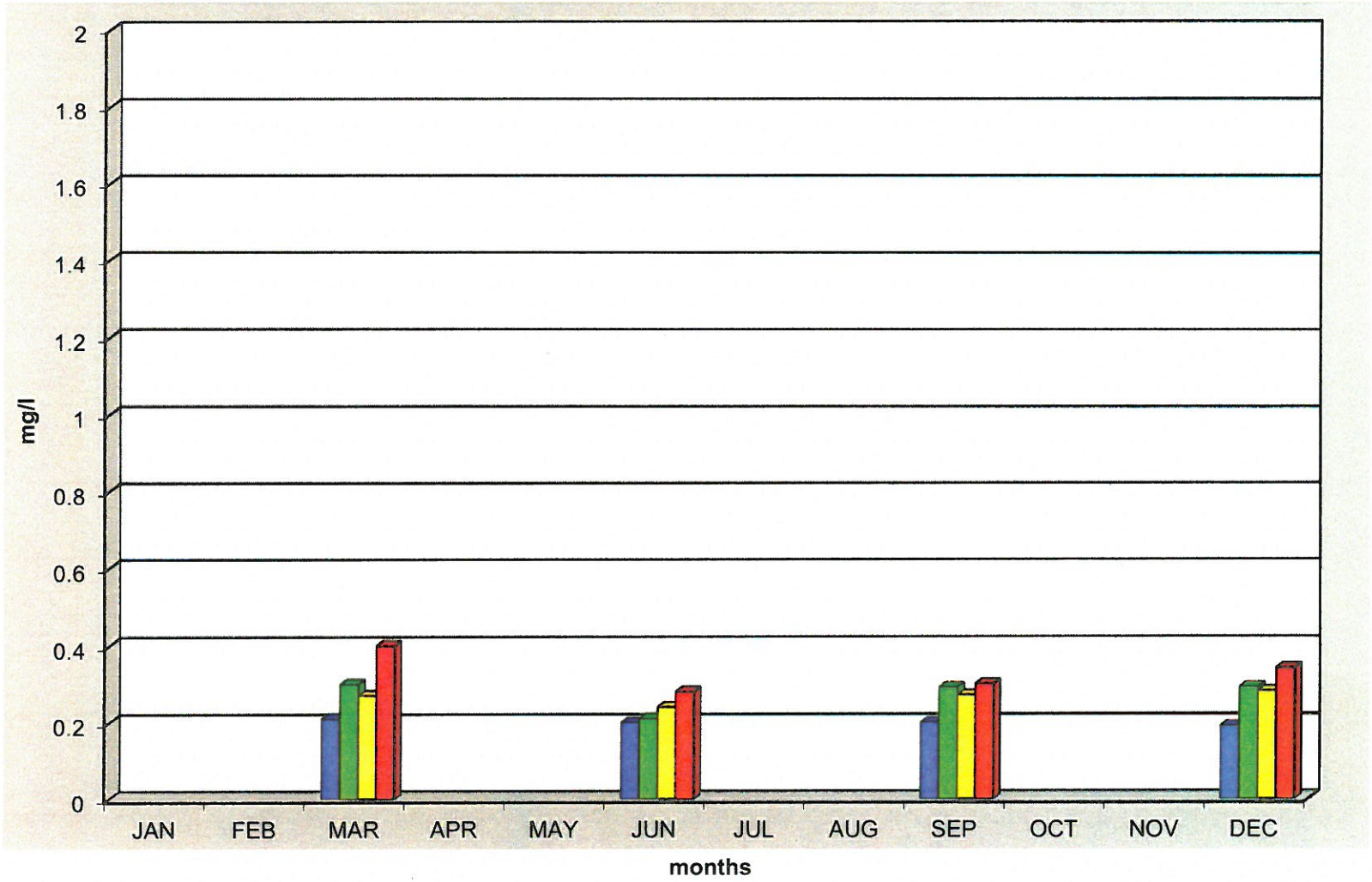
CRESTLINE SANITATION DISTRICT

Pasture Monitoring Well Testing - TKN - 2022



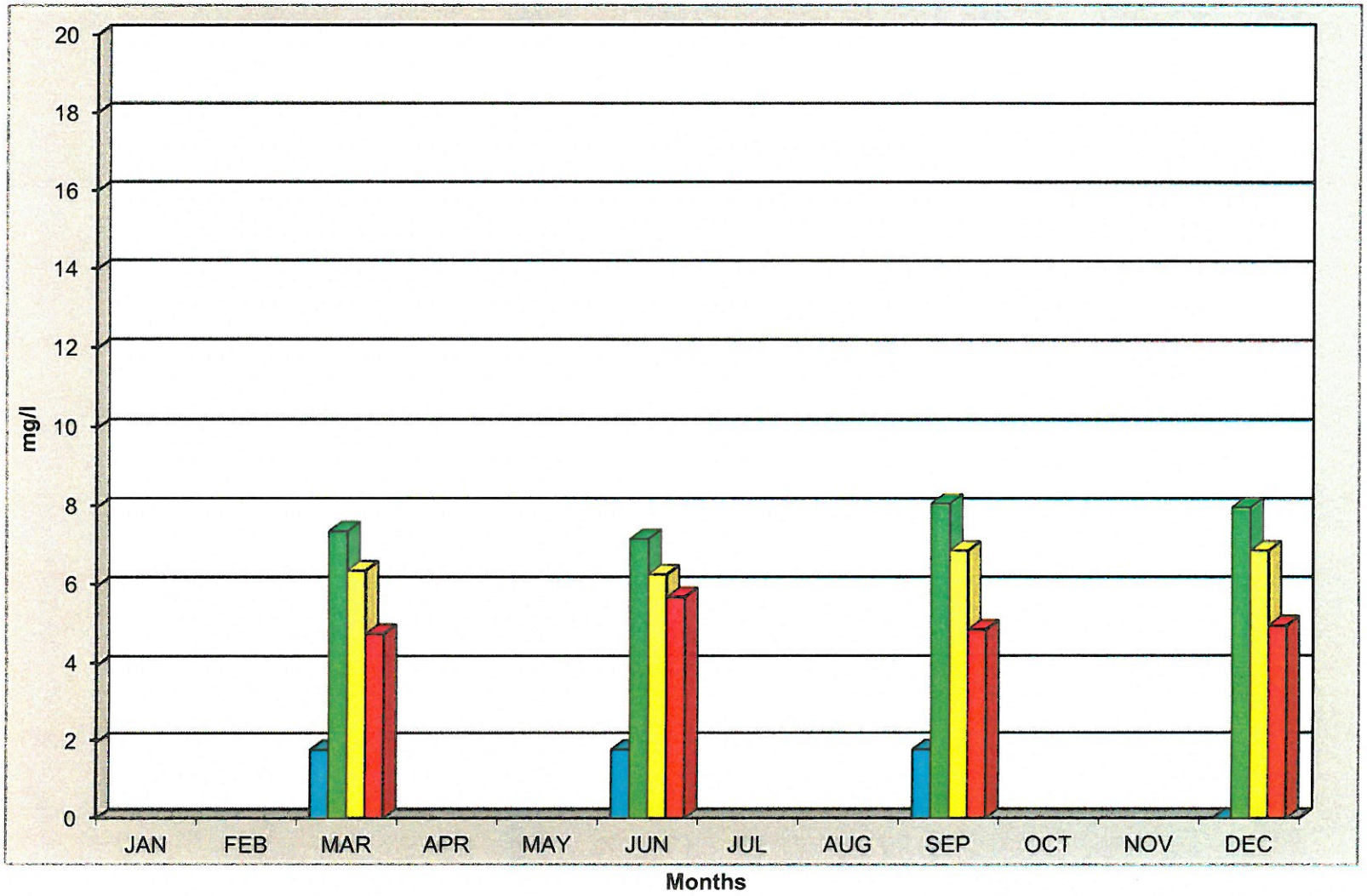
CRESTLINE SANITATION DISTRICT

Pasture Monitoring Well Testing - NH3-N - 2022



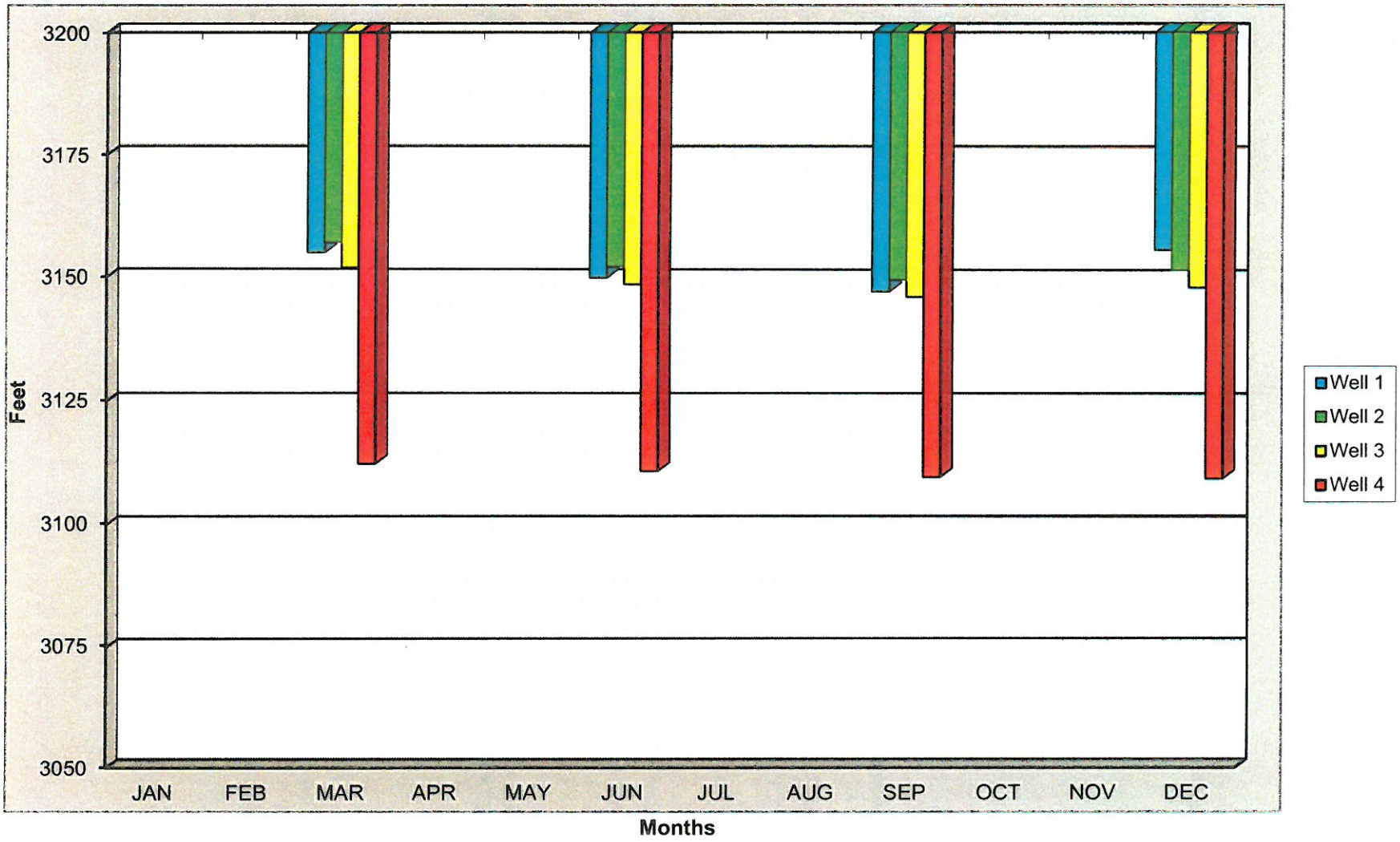
CRESTLINE SANITATION DISTRICT

Pasture Monitoring Well Testing - NO3-N - 2022



CRESTLINE SANITATION DISTRICT

Pasture Monitoring Well Testing - Elevation of Water Depth - 2022



CRESTLINE SANITATION DISTRICT
Semi Annual Supply Water Monitoring Data

Year: **2022**

	Sample Dates	Frequency	Semi-Annual	Semi-Annual	Semi-Annual	Semi-Annual	Total Flow in MG	Local Water	Purchased Water
		Violations							
		Sample Type	Monitor	Monitor	Monitor	Monitor			
		Maximum							
		Mean/Minimum							
		Median							
			TDS	**Chloride**	**Sodium**	**Sulfate**			
Crestline Sanitation District (Final Effluent)	3/12/2020	MG/L	590.0	136.0	100.0	147.0	111.91		
		POUNDS	550,664	126,933	93,333	137,199			
Crestline Lake Arrowhead Water Agency (Silverwood)	3/10/2020	MG/L	400	106.0	70.0	106.0	7.84		
		POUNDS	26,154	6,931	4,577	6,931			
Crestline Village Water District	3/10/2020	MG/L	290	58.0	43.0	71.5	93.57	45.29	48.28
		POUNDS	226,308	45,262	33,556	55,797			
Valley of Enchantment Mutual Water Company	3/17/2020	MG/L	320	70.6	53.0	80.0	28.06	6.20	21.86
		POUNDS	74,887	16,522	12,403	18,722			
Calculated Constituent Concentrations		MG/L	303.2	63.6	46.8	75.4	129.5		
		POUNDS	327,349	68,714	50,536	81,449			

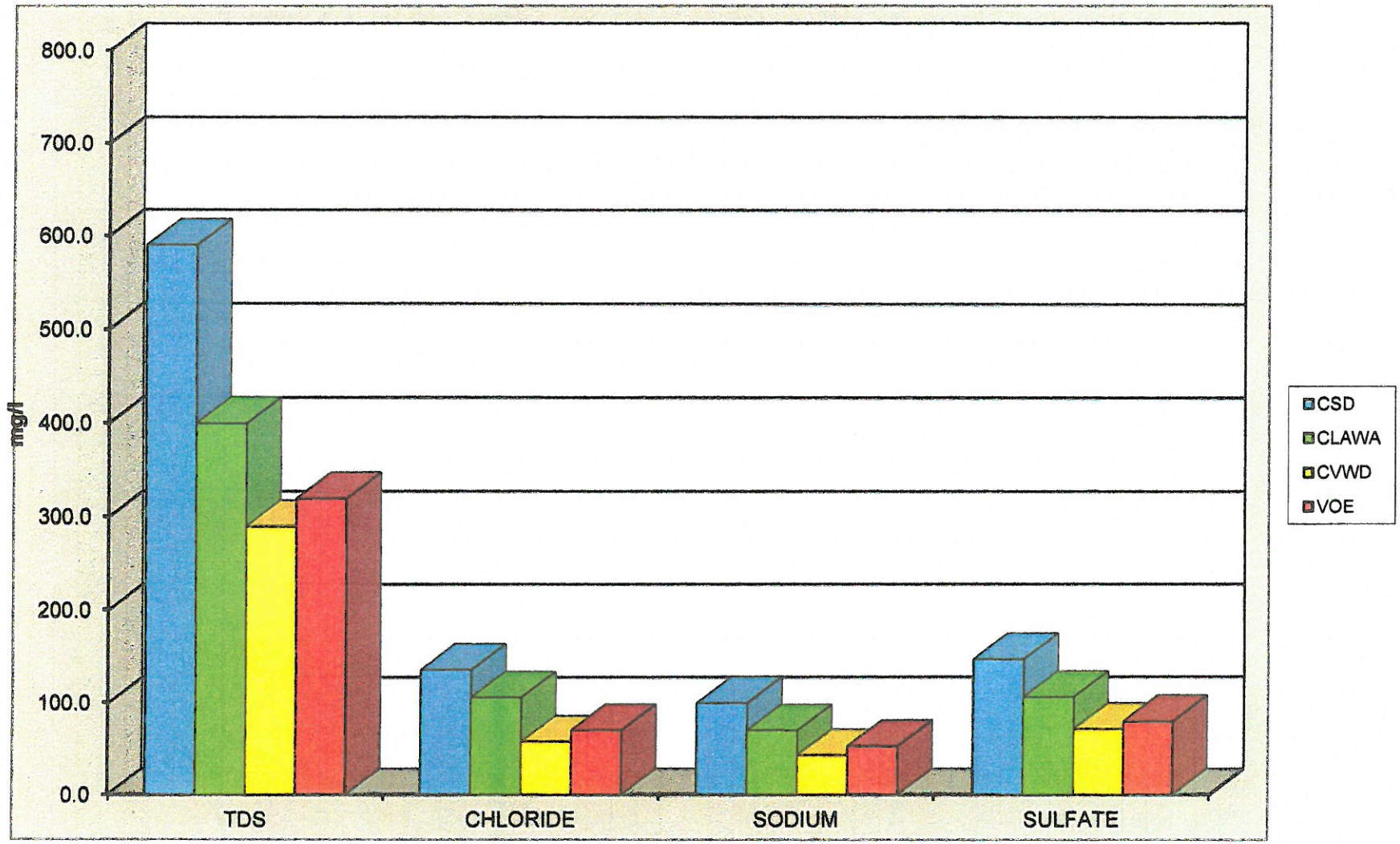
"CALCULATED CONSTITUENT CONCENTRATIONS" above, were mathematically calculated on samples collected from the three water purveyors contributing to the sewer system.

Samples collected in March

Flow Dates : October 1, 2021 thru March 31, 2022

CRESTLINE SANITATION DISTRICT

Supply Water Testing - March, 2022



01/02 des

CRESTLINE SANITATION DISTRICT
Semi Annual Supply Water Monitoring Data

Year: **2022**

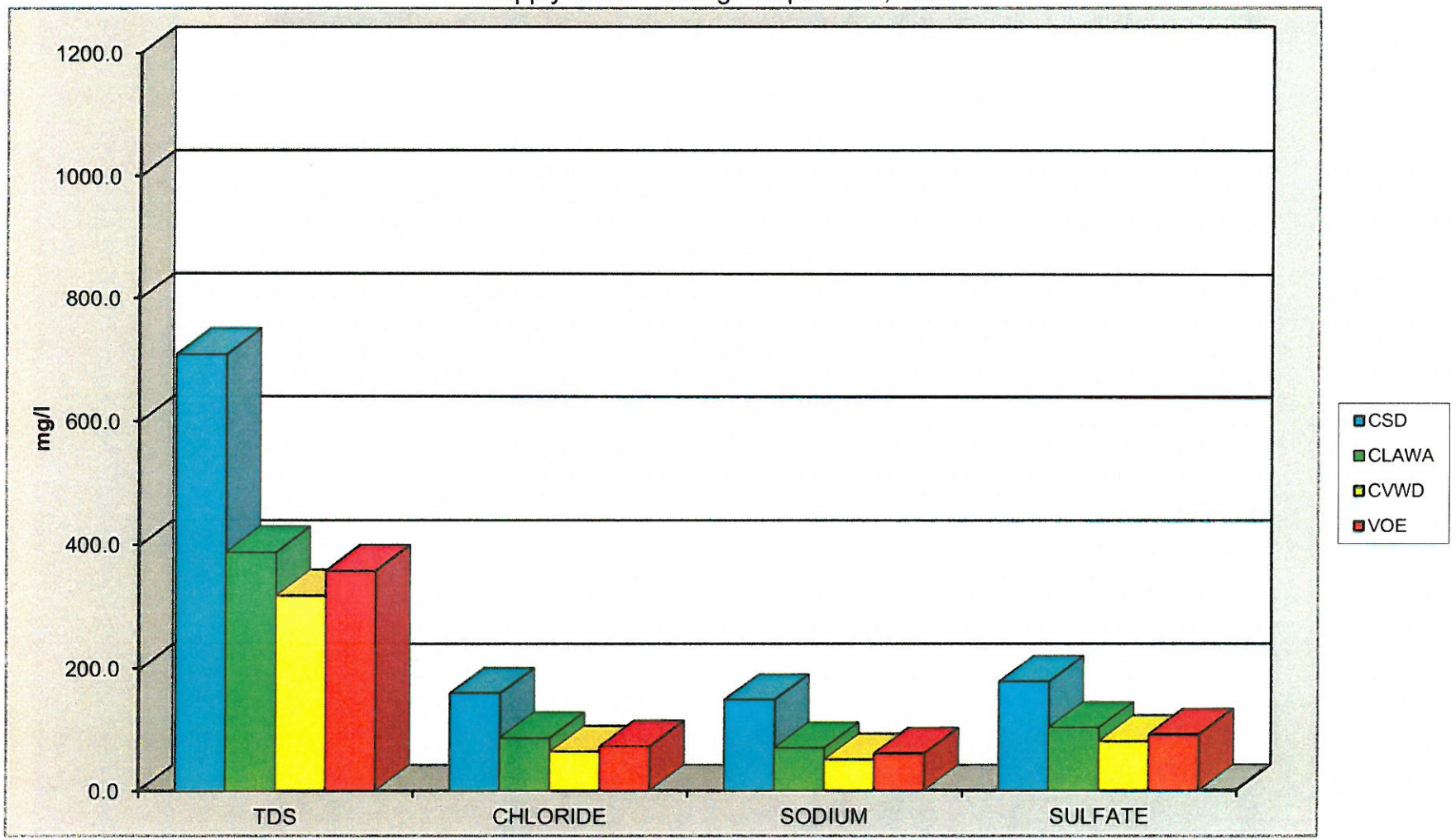
	Sample Dates	Frequency	Semi-Annual	Semi-Annual	Semi-Annual	Semi-Annual	Total Flow In MG	Local Water	Purchased Water
		Violations							
		Sample type	Monitor	Monitor	Monitor	Monitor			
		Maximum							
		Mean/Min.							
		Median							
			TDS	**Chloride**	**Sodium**	**Sulfate**			
Crestline Sanitation District	09/08/22	MG/L	710.0	161.0	150.0	180.0	94.37		
(Final Effluent)		POUNDS	558,803	126,714	118,057	141,668			
Crestline Lake Arrowhead	09/07/22	MG/L	390.0	87.0	70.0	103.0	94.97		
Water Agency (Silverwood)		POUNDS	308,899	68,908	55,443	81,581			
Crestline Village	09/07/22	MG/L	320.0	64.2	51.0	81.0	195.73	120.48	75.25
Water District		POUNDS	522,364	104,799	83,252	132,223			
Valley of Enchantment	09/01/22	MG/L	360.0	72.8	61.0	92.0	29.90	5.19	24.71
Mutual Water Company		POUNDS	89,772	18,154	15,211	22,942			
Calculated Constituent		MG/L	256.3	54.4	39.9	45.5	157.8		
Concentrations		POUNDS	337,304	71,593	52,510	59,880			

"CALCULATED CONSTITUENT CONCENTRATIONS" above, were mathematically calculated on samples collected from the three water purveyors contributing to the sewer system.

Samples collected in SEPTEMBER Flow Dates : April 1, 2022 thru September 30, 2022

CRESTLINE SANITATION DISTRICT

Supply Water Testing - September, 2022



01/02 des

CRESTLINE SANITATION DISTRICT

ANNUAL REPORT

Final Effluent Disposal Site (Las Flores) Constituent Violations

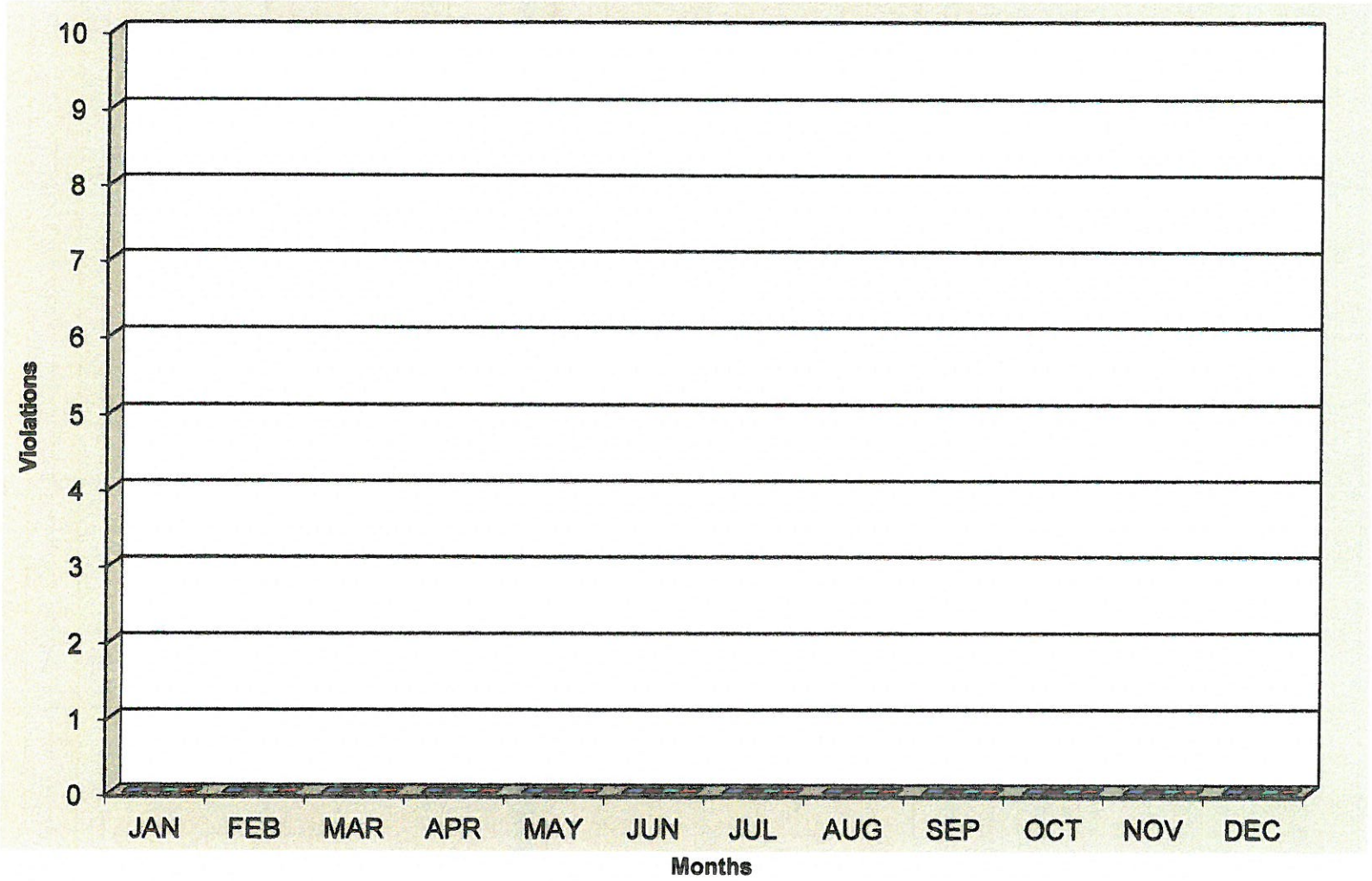
Year: **2022**

Frequency	2 week	weekly	weekly	weekly	2 month	2 month	2 month	2 month	monthly	monthly	monthly
Violations											
Sample Type	D/M	D/M	D/M	D/M	D/M	M	D/M	M	M	M	M
Maximum		0.5 ml/l		< 9	45.0		2.0				
Mean/Min.*	23.0 *		> 1	> 6	30.0		1.0				
	Total Coliform	Settleable Solids	D.O.	pH	BOD	COD	MBAS	Oil & Grease	TKN	NO3-N	NH3-N
	MPN	ml/l	mg/l	pH	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
January	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-
August	-	-	-	-	-	-	-	-	-	-	-
September	-	-	-	-	-	-	-	-	-	-	-
October	-	-	-	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-	-	-	-
Year Total	0	0	0	0	0	0	0	0	0	0	0

D - Has Effluent / Discharge Limitations M - Has Effluent Monitoring Requirements

CRESTLINE SANITATION DISTRICT

Final Effluent Constituent Violations - 2022



CRESTLINE SANITATION DISTRICT

ANNUAL REPORT

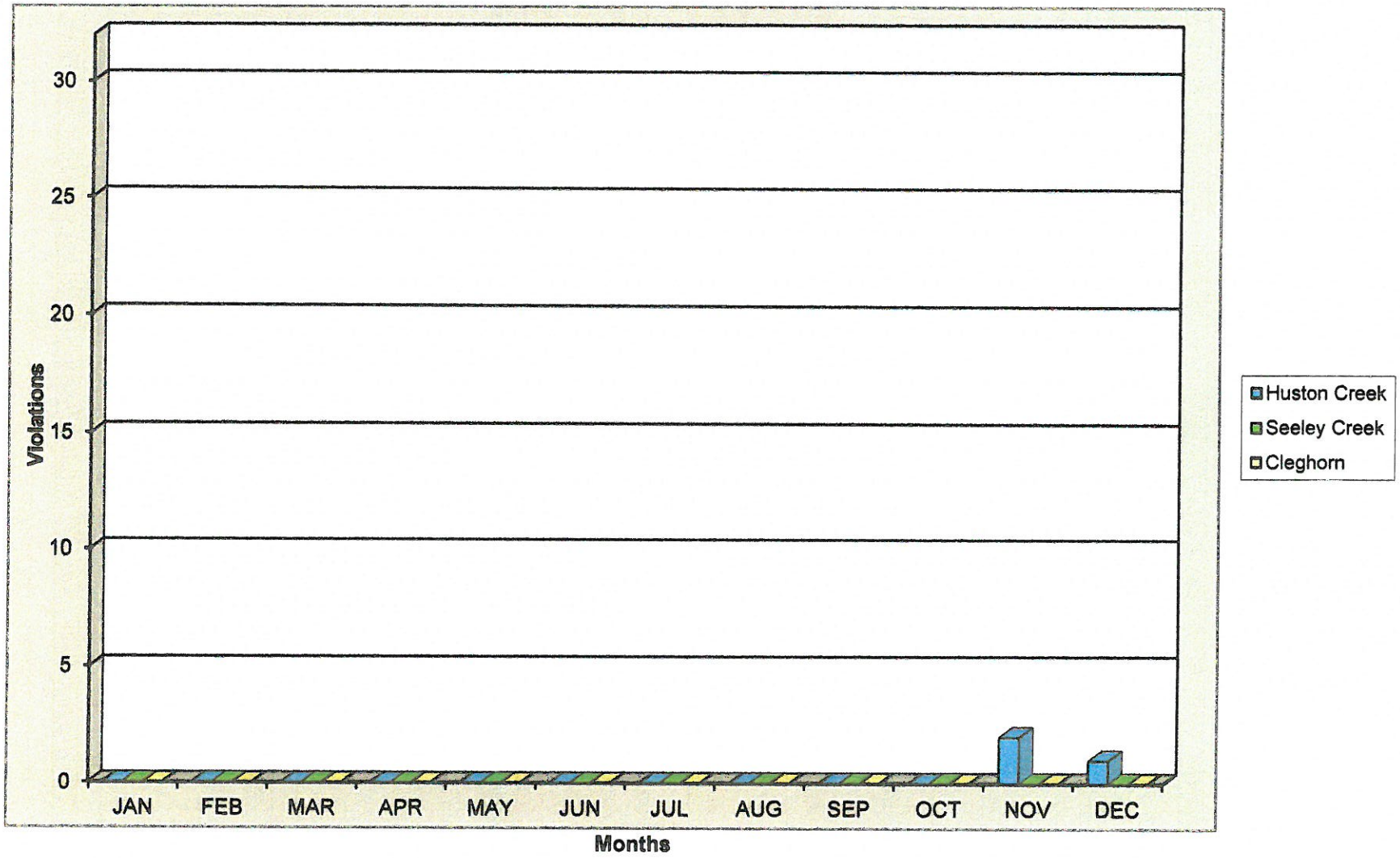
Treatment Facilities Flow Violations

Year: 2022

Facility name	**Huston Plant**		**Seeley Plant**		**Cleghorn Plant**	
Reading	daily	daily	daily	daily	daily	
Average	monthly		monthly		monthly	
Design limits	design 0.7 mg/d	maximum 2.50 mg	design 0.5 mg/d	maximum 1.00 mg	design 0.2 mg/d	maximum 0.4 mg
	design capacity	instantaneous peak	design capacity	instantaneous peak	design capacity	instantaneous peak
	Huston	**HC peak**	**Seeley**	**SC peak**	**Cleghorn**	**CH peak**
Months	violations	violations	violations	violations	violations	violations
January						
February						
March						
April						
May						
June						
July						
August						
September						
October						
November	2					
December	1					
Year Total	3	0	0	0	0	0

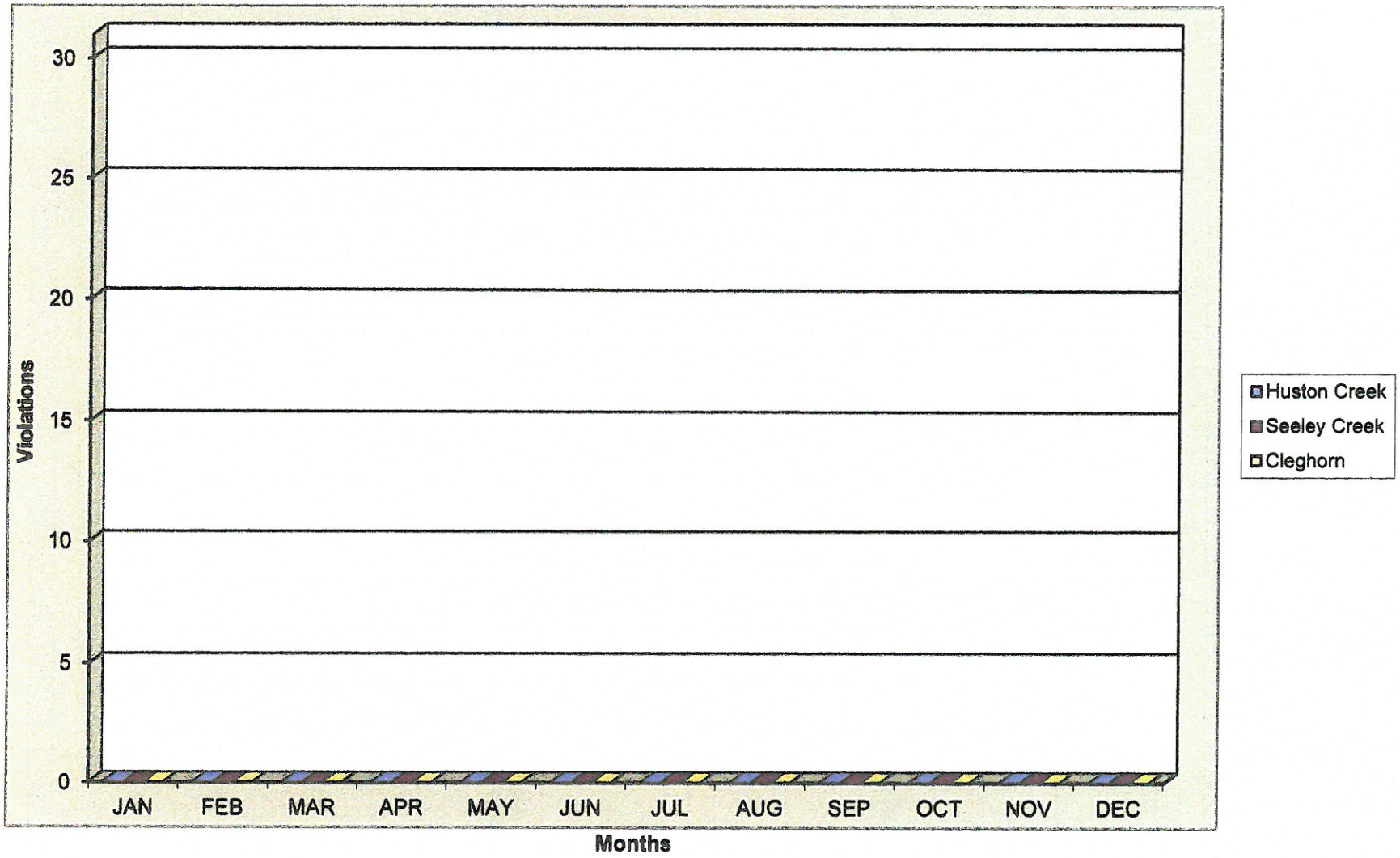
CRESTLINE SANITATION DISTRICT

Treatment Facility Design Capacity Flow Violations - 2022



CRESTLINE SANITATION DISTRICT

Treatment Facility Instantaneous Flow Violations - 2022



CRESTLINE SANITATION DISTRICT

ANNUAL REPORT

APPENDIX "A"

Sample Results
Las Flores Stand Pipe
District Final Effluent

Annual Testing

Tests Results for:
Purgable Organics
Base / Neutral / Acid Extractable Organics
Heavy Metals

SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Annual Testing Outfall 2022	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/13/22 09:19

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L.F.-09-01-A.B.C.D.E.F. (2209019-01) Liquid	**Sampled: 09/01/22 10:15 Received: 09/01/22 13:50**								
Phenolics	ND	0.0500	mg/L	1	B2I0623	09/01/22	09/01/22 18:45	SM 5530 B/C	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 Merit Circle Suite 105, Laguna Hills, California 92653
Telephone: (949) 348-9389 Fax: (949) 348-9115
E-Mail: sierralabs @ sierralabs.net

SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Annual Testing Outfall 2022	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/13/22 09:19

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L.F.-09-01-A.B.C.D.E.F. (2209019-01) Liquid Sampled: 09/01/22 10:15 Received: 09/01/22 13:50									
Silver	ND	0.030	mg/L	1	B2I0121	09/01/22	09/01/22 19:16	EPA 200.7	
Cadmium	ND	0.011	"	"	"	"	"	"	
Chromium	ND	0.039	"	"	"	"	"	"	
Copper	ND	0.050	"	"	"	"	"	"	
Nickel	ND	0.026	"	"	"	"	"	"	
Lead	ND	0.039	"	"	"	"	"	"	
Zinc	**0.047**	0.020	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Annual Testing Outfall 2022	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/13/22 09:19

Volatile Organics by EPA Method 624.1

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L.F.-09-01-A.B.C.D.E.F. (2209019-01) Liquid	**Sampled: 09/01/22 10:15**	**Received: 09/01/22 13:50**							**P-06**
Surrogate: Dibromofluoromethane		*96.1 %*		*86-118*	*B210201*	*09/02/22*	*09/02/22 10:56*	*EPA 624.1*	
Surrogate: Toluene-d8		*94.7 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.5 %*		*86-115*	"	"	"	"	
Acrolein	ND	5.0	"	"	"	"	"	"	
Acrylonitrile	ND	2.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	**11**	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	1.0	"	"	"	"	"	"	
Chloroform	**55**	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	**1.6**	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	**2.4**	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Annual Testing Outfall 2022	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/13/22 09:19

Semivolatile Organics by EPA Method 625.1

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L.F.-09-01-A.B.C.D.E.F. (2209019-01) Liquid Sampled: 09/01/22 10:15 Received: 09/01/22 13:50									
Surrogate: 2-Fluorophenol		*105 %*		*25-121*	*B210704*	*09/07/22*	*09/08/22 07:46*	*EPA 625.1*	
Surrogate: Phenol-d6		*92.1 %*		*24-113*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*94.3 %*		*23-120*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*94.7 %*		*30-115*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*117 %*		*19-122*	"	"	"	"	
Surrogate: Terphenyl-d14		*95.5 %*		*18-137*	"	"	"	"	
Acenaphthene	ND	5.0	"	"	"	"	"	"	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzidine	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	1.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	5.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1.0	"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Diphenylhydrazine	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Annual Testing Outfall 2022	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/13/22 09:19

Semivolatile Organics by EPA Method 625.1

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L.F.-09-01-A.B.C.D.E.F. (2209019-01) Liquid Sampled: 09/01/22 10:15 Received: 09/01/22 13:50									
Fluoranthene	ND	5.0	µg/L	1	B2I0704	09/07/22	09/08/22 07:46	EPA 625.1	
Fluorene	ND	5.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	5.0	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Isophorone	ND	5.0	"	"	"	"	"	"	
2-Methyl-4,6-dinitrophenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	1.0	"	"	"	"	"	"	
4-Nitrophenol	ND	1.0	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	5.0	"	"	"	"	"	"	
Diphenylamine	ND	5.0	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Pentachlorophenol	ND	1.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	1.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Annual Testing Outfall 2022	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/13/22 09:19

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L.F.-09-01-A.B.C.D.E.F. (2209019-01) Liquid Sampled: 09/01/22 10:15 Received: 09/01/22 13:50									
Surrogate: o-Terphenyl		*64.0 %*		*60-175*	*B211203*	*09/08/22*	*09/12/22 12:06*	*EPA 8015B*	
HC < C8	ND	0.010	"	"	"	"	"	"	
C8 <= HC < C9	**0.010**	0.010	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.010	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.010	"	"	"	"	"	"	
C11 <= HC < C12	ND	0.010	"	"	"	"	"	"	
C12 <= HC < C14	**0.025**	0.010	"	"	"	"	"	"	
C14 <= HC < C16	**0.015**	0.010	"	"	"	"	"	"	
C16 <= HC < C18	**0.024**	0.010	"	"	"	"	"	"	
C18 <= HC < C20	**0.030**	0.010	"	"	"	"	"	"	
C20 <= HC < C24	**0.055**	0.010	"	"	"	"	"	"	
C24 <= HC < C28	**0.047**	0.010	"	"	"	"	"	"	
C28 <= HC < C32	**0.094**	0.010	"	"	"	"	"	"	
HC >= C32	**0.13**	0.010	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**0.36**	0.050	"	"	"	"	"	"	

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SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Sierra Analytical	Project: 2209019	
26052 Merit Cir. Ste. 105	Project Number: 2209019	**Reported:**
Laguna Hills CA, 92653	Project Manager: Rick Forsyth	09/12/22 15:43

L.F.-09-01-A.B.C.D.E.F. (2209019-01)

T222470-01 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cyanide by SM4500-CN B,C, or E or EPA 9014									
Cyanide (total)	ND	0.0050	mg/l	1	2210069	09/07/22	09/09/22	SM 4500-CN C/E	

SunStar Laboratories, Inc.

Joann Marroquin

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Joann Marroquin For Taili Iinuma, Project Manager

SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/14/22 12:11

Volatile Organics by EPA Method 624.1

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1-09-08 (2209140-01) Water Sampled: 09/08/22 10:00 Received: 09/08/22 14:00									
Surrogate: Dibromofluoromethane		*112 %*		*86-118*	*B2I0906*	*09/09/22*	*09/09/22 15:21*	*EPA 624.1*	
Surrogate: Toluene-d8		*108 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*86-115*	"	"	"	"	
Acrolein	ND	5.0	"	"	"	"	"	"	
Acrylonitrile	ND	2.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/14/22 12:11

Volatile Organics by EPA Method 624.1

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2-09-08 (2209140-02) Water Sampled: 09/08/22 10:20 Received: 09/08/22 14:00									
Surrogate: Dibromofluoromethane		*115 %*		*86-118*	*B2I0906*	*09/09/22*	*09/09/22 15:59*	*EPA 624.1*	
Surrogate: Toluene-d8		*109 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.6 %*		*86-115*	"	"	"	"	
Acrolein	ND	5.0	"	"	"	"	"	"	
Acrylonitrile	ND	2.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/14/22 12:11

Volatile Organics by EPA Method 624.1

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3-09-08 (2209140-03) Water Sampled: 09/08/22 10:40 Received: 09/08/22 14:00									
Surrogate: Dibromofluoromethane		*114 %*		*86-118*	*B210906*	*09/09/22*	*09/09/22 16:37*	*EPA 624.1*	
Surrogate: Toluene-d8		*109 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.0 %*		*86-115*	"	"	"	"	
Acrolein	ND	5.0	"	"	"	"	"	"	
Acrylonitrile	ND	2.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/14/22 12:11

Volatile Organics by EPA Method 624.1

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4-09-08 (2209140-04) Water Sampled: 09/08/22 11:00 Received: 09/08/22 14:00									
Surrogate: Dibromofluoromethane		*114 %*		*86-118*	*B210906*	*09/09/22*	*09/09/22 17:14*	*EPA 624.1*	
Surrogate: Toluene-d8		*108 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.8 %*		*86-115*	"	"	"	"	
Acrolein	ND	5.0	"	"	"	"	"	"	
Acrylonitrile	ND	2.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/14/22 12:11

Semivolatile Organics by EPA Method 625.1

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1-09-08 (2209140-01) Water Sampled: 09/08/22 10:00 Received: 09/08/22 14:00									
Surrogate: 2-Fluorophenol		*117 %*		*25-121*	*B2I1301*	*09/12/22*	*09/14/22 06:10*	*EPA 625.1*	
Surrogate: Phenol-d6		*101 %*		*24-113*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*113 %*		*23-120*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*112 %*		*30-115*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*120 %*		*19-122*	"	"	"	"	
Surrogate: Terphenyl-d14		*114 %*		*18-137*	"	"	"	"	
Acenaphthene	ND	5.0	"	"	"	"	"	"	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzidine	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	1.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	5.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1.0	"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Diphenylhydrazine	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/14/22 12:11

Semivolatile Organics by EPA Method 625.1

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1-09-08 (2209140-01) Water Sampled: 09/08/22 10:00 Received: 09/08/22 14:00									
Fluoranthene	ND	5.0	µg/L	1	B2I1301	09/12/22	09/14/22 06:10	EPA 625.1	
Fluorene	ND	5.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	5.0	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Isophorone	ND	5.0	"	"	"	"	"	"	
2-Methyl-4,6-dinitrophenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	1.0	"	"	"	"	"	"	
4-Nitrophenol	ND	1.0	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	5.0	"	"	"	"	"	"	
Diphenylamine	ND	5.0	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Pentachlorophenol	ND	1.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	1.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1.0	"	"	"	"	"	"	
MW-2-09-08 (2209140-02) Water Sampled: 09/08/22 10:20 Received: 09/08/22 14:00									
Surrogate: 2-Fluorophenol		*82.0 %*		*25-121*	*B2I1301*	*09/12/22*	*09/14/22 06:10*	*EPA 625.1*	
Surrogate: Phenol-d6		*61.1 %*		*24-113*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*85.2 %*		*23-120*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*86.9 %*		*30-115*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*78.3 %*		*19-122*	"	"	"	"	
Surrogate: Terphenyl-d14		*93.1 %*		*18-137*	"	"	"	"	
Acenaphthene	ND	5.0	"	"	"	"	"	"	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzidine	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/14/22 12:11

Semivolatile Organics by EPA Method 625.1

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2-09-08 (2209140-02) Water Sampled: 09/08/22 10:20 Received: 09/08/22 14:00									
Bis(2-chloroethoxy)methane	ND	5.0	µg/L	1	B2I1301	09/12/22	09/14/22 06:10	EPA 625.1	
Bis(2-ethylhexyl)phthalate	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	1.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1.0	"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Diphenylhydrazine	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	5.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	5.0	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Isophorone	ND	5.0	"	"	"	"	"	"	
2-Methyl-4,6-dinitrophenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	1.0	"	"	"	"	"	"	
4-Nitrophenol	ND	1.0	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	5.0	"	"	"	"	"	"	
Diphenylamine	ND	5.0	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Pentachlorophenol	ND	1.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/14/22 12:11

Semivolatile Organics by EPA Method 625.1

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2-09-08 (2209140-02) Water Sampled: 09/08/22 10:20 Received: 09/08/22 14:00									
Phenanthrene	ND	5.0	µg/L	1	B2I1301	09/12/22	09/14/22 06:10	EPA 625.1	
Phenol	ND	1.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1.0	"	"	"	"	"	"	
MW-3-09-08 (2209140-03) Water Sampled: 09/08/22 10:40 Received: 09/08/22 14:00									
Surrogate: 2-Fluorophenol		*89.5 %*		*25-121*	*B2I1301*	*09/12/22*	*09/14/22 06:10*	*EPA 625.1*	
Surrogate: Phenol-d6		*66.1 %*		*24-113*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*97.5 %*		*23-120*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*94.4 %*		*30-115*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*87.8 %*		*19-122*	"	"	"	"	
Surrogate: Terphenyl-d14		*95.1 %*		*18-137*	"	"	"	"	
Acenaphthene	ND	5.0	"	"	"	"	"	"	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzidine	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	1.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1.0	"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/14/22 12:11

Semivolatile Organics by EPA Method 625.1

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3-09-08 (2209140-03) Water Sampled: 09/08/22 10:40 Received: 09/08/22 14:00									
Dimethyl phthalate	ND	5.0	µg/L	1	B2I1301	09/12/22	09/14/22 06:10	EPA 625.1	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Diphenylhydrazine	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	5.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	5.0	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Isophorone	ND	5.0	"	"	"	"	"	"	
2-Methyl-4,6-dinitrophenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	1.0	"	"	"	"	"	"	
4-Nitrophenol	ND	1.0	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	5.0	"	"	"	"	"	"	
Diphenylamine	ND	5.0	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Pentachlorophenol	ND	1.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	1.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/14/22 12:11

Semivolatile Organics by EPA Method 625.1

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4-09-08 (2209140-04) Water Sampled: 09/08/22 11:00 Received: 09/08/22 14:00									
Surrogate: 2-Fluorophenol		*82.8 %*		*25-121*	*B211301*	*09/12/22*	*09/14/22 06:10*	*EPA 625.1*	
Surrogate: Phenol-d6		*60.7 %*		*24-113*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*86.6 %*		*23-120*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*78.4 %*		*30-115*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*77.1 %*		*19-122*	"	"	"	"	
Surrogate: Terphenyl-d14		*124 %*		*18-137*	"	"	"	"	
Acenaphthene	ND	5.0	"	"	"	"	"	"	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzidine	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	1.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1.0	"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Diphenylhydrazine	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Crestline Sanitation District	Project:	Las Flores Ranch	
P.O. Box 3395	Project Number:	Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager:	Ron Scriven	09/14/22 12:11

Semivolatile Organics by EPA Method 625.1

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4-09-08 (2209140-04) Water Sampled: 09/08/22 11:00 Received: 09/08/22 14:00									
Fluoranthene	ND	5.0	µg/L	1	B2I1301	09/12/22	09/14/22 06:10	EPA 625.1	
Fluorene	ND	5.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	5.0	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Isophorone	ND	5.0	"	"	"	"	"	"	
2-Methyl-4,6-dinitrophenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	1.0	"	"	"	"	"	"	
4-Nitrophenol	ND	1.0	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	5.0	"	"	"	"	"	"	
Diphenylamine	ND	5.0	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Pentachlorophenol	ND	1.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	1.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1.0	"	"	"	"	"	"	

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CRESTLINE SANITATION DISTRICT

ANNUAL REPORT

APPENDIX "B"

Sample Results
Ground Water Monitoring Wells
Final Effluent Disposal Site

Annual Testing

Tests Results for:
Purgable Halocarbons and Aromatics
Base / Neutral / Acid Extractable Organics

Special Quarterly Testing

Disinfection Bi-products
Trihalomethanes (EPA Method 524.2)
Haloacetic Acids (EPA Method 552.2)

SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/14/22 12:11

Trihalomethanes by EPA Method 524.2

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1-09-08 (2209140-01) Water	**Sampled: 09/08/22 10:00**	**Received: 09/08/22 14:00**							
Surrogate: Dibromofluoromethane		*117 %*		*86-118*	*B2I0907*	*09/09/22*	*09/09/22 21:11*	*EPA 524.2*	
Surrogate: Toluene-d8		*107 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*113 %*		*86-115*	"	"	"	"	
Bromodichloromethane	ND	0.500	"	"	"	"	"	"	
Bromoform	ND	0.500	"	"	"	"	"	"	
Chloroform	ND	0.500	"	"	"	"	"	"	
Dibromochloromethane	ND	0.500	"	"	"	"	"	"	
Total Trihalomethanes	ND	0.500	"	"	"	"	"	"	
MW-2-09-08 (2209140-02) Water	**Sampled: 09/08/22 10:20**	**Received: 09/08/22 14:00**							
Surrogate: Dibromofluoromethane		*117 %*		*86-118*	*B2I0907*	*09/09/22*	*09/09/22 22:22*	*EPA 524.2*	
Surrogate: Toluene-d8		*106 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*		*86-115*	"	"	"	"	
Bromodichloromethane	ND	0.500	"	"	"	"	"	"	
Bromoform	ND	0.500	"	"	"	"	"	"	
Chloroform	**0.770**	0.500	"	"	"	"	"	"	
Dibromochloromethane	ND	0.500	"	"	"	"	"	"	
Total Trihalomethanes	**0.770**	0.500	"	"	"	"	"	"	
MW-3-09-08 (2209140-03) Water	**Sampled: 09/08/22 10:40**	**Received: 09/08/22 14:00**							
Surrogate: Dibromofluoromethane		*118 %*		*86-118*	*B2I0907*	*09/09/22*	*09/09/22 22:57*	*EPA 524.2*	
Surrogate: Toluene-d8		*106 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*113 %*		*86-115*	"	"	"	"	
Bromodichloromethane	ND	0.500	"	"	"	"	"	"	
Bromoform	ND	0.500	"	"	"	"	"	"	
Chloroform	ND	0.500	"	"	"	"	"	"	
Dibromochloromethane	ND	0.500	"	"	"	"	"	"	
Total Trihalomethanes	ND	0.500	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/14/22 12:11

Trihalomethanes by EPA Method 524.2

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4-09-08 (2209140-04) Water Sampled: 09/08/22 11:00 Received: 09/08/22 14:00									
Surrogate: Dibromofluoromethane		*115 %*		*86-118*	*B2I0907*	*09/09/22*	*09/09/22 23:33*	*EPA 524.2*	
Surrogate: Toluene-d8		*109 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*115 %*		*86-115*	"	"	"	"	
Bromodichloromethane	ND	0.500	"	"	"	"	"	"	
Bromoform	ND	0.500	"	"	"	"	"	"	
Chloroform	ND	0.500	"	"	"	"	"	"	
Dibromochloromethane	ND	0.500	"	"	"	"	"	"	
Total Trihalomethanes	ND	0.500	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/14/22 12:11

Haloacetic Acids (GC/ECD) by EPA Method 552.2

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1-09-08 (2209140-01) Water Sampled: 09/08/22 10:00 Received: 09/08/22 14:00									
Surrogate: 2,3-Dibromopropionic Acid		*97.6 %*	*60-150*		*B2I1205*	*09/12/22*	*09/13/22 09:45*	*EPA 552.3*	
Monochloroacetic Acid	ND	2.00	"	"	"	"	"	"	
Dichloroacetic Acid	ND	1.00	"	"	"	"	"	"	
Trichloroacetic Acid	ND	1.00	"	"	"	"	"	"	
Monobromoacetic Acid	ND	1.00	"	"	"	"	"	"	
Dibromoacetic Acid	ND	1.00	"	"	"	"	"	"	
Total Haloacetic Acids	ND	1.00	"	"	"	"	"	"	
MW-2-09-08 (2209140-02) Water Sampled: 09/08/22 10:20 Received: 09/08/22 14:00									
Surrogate: 2,3-Dibromopropionic Acid		*110 %*	*60-150*		*B2I1205*	*09/12/22*	*09/13/22 09:45*	*EPA 552.3*	
Monochloroacetic Acid	ND	2.00	"	"	"	"	"	"	
Dichloroacetic Acid	ND	1.00	"	"	"	"	"	"	
Trichloroacetic Acid	ND	1.00	"	"	"	"	"	"	
Monobromoacetic Acid	ND	1.00	"	"	"	"	"	"	
Dibromoacetic Acid	ND	1.00	"	"	"	"	"	"	
Total Haloacetic Acids	ND	1.00	"	"	"	"	"	"	
MW-3-09-08 (2209140-03) Water Sampled: 09/08/22 10:40 Received: 09/08/22 14:00									
Surrogate: 2,3-Dibromopropionic Acid		*103 %*	*60-150*		*B2I1205*	*09/12/22*	*09/13/22 09:45*	*EPA 552.3*	
Monochloroacetic Acid	ND	2.00	"	"	"	"	"	"	
Dichloroacetic Acid	ND	1.00	"	"	"	"	"	"	
Trichloroacetic Acid	ND	1.00	"	"	"	"	"	"	
Monobromoacetic Acid	ND	1.00	"	"	"	"	"	"	
Dibromoacetic Acid	ND	1.00	"	"	"	"	"	"	
Total Haloacetic Acids	ND	1.00	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Crestline Sanitation District	Project: Las Flores Ranch	
P.O. Box 3395	Project Number: Monitoring Wells Annual Samples	**Reported:**
Crestline CA, 92325-3395	Project Manager: Ron Scriven	09/14/22 12:11

Haloacetic Acids (GC/ECD) by EPA Method 552.2

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4-09-08 (2209140-04) Water Sampled: 09/08/22 11:00 Received: 09/08/22 14:00									
Surrogate: 2,3-Dibromopropionic Acid		*109 %*	*60-150*		*B211205*	*09/12/22*	*09/13/22 09:45*	*EPA 552.3*	
Monochloroacetic Acid	ND	2.00	"	"	"	"	"	"	
Dichloroacetic Acid	ND	1.00	"	"	"	"	"	"	
Trichloroacetic Acid	ND	1.00	"	"	"	"	"	"	
Monobromoacetic Acid	ND	1.00	"	"	"	"	"	"	
Dibromoacetic Acid	ND	1.00	"	"	"	"	"	"	
Total Haloacetic Acids	ND	1.00	"	"	"	"	"	"	

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