

# Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

**Project Name:** H<sub>2</sub>S in South and North Carolina

**From:** 6/15/21  
12:01 AM

**To:** 6/15/21  
11:59 PM



William-Lytle Place							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	26809	0	0 - 0 ppb	0 ppb	70 ppb

River Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26846	9770	0 - 18 ppb	1.88 ppb	70 ppb

Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25998	4830	0 - 30 ppb	1.87 ppb	70 ppb

Sun City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26928	8991	0 - 10 ppb	0.88 ppb	70 ppb

Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	27526	1744	0 - 2 ppb	0.11 ppb	70 ppb

Tom Steven Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	27328	6854	0 - 10 ppb	0.97 ppb	70 ppb

Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	26528	0	0 - 0 ppb	0 ppb	70 ppb

Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	26822	6480	0 - 13 ppb	1.12 ppb	70 ppb

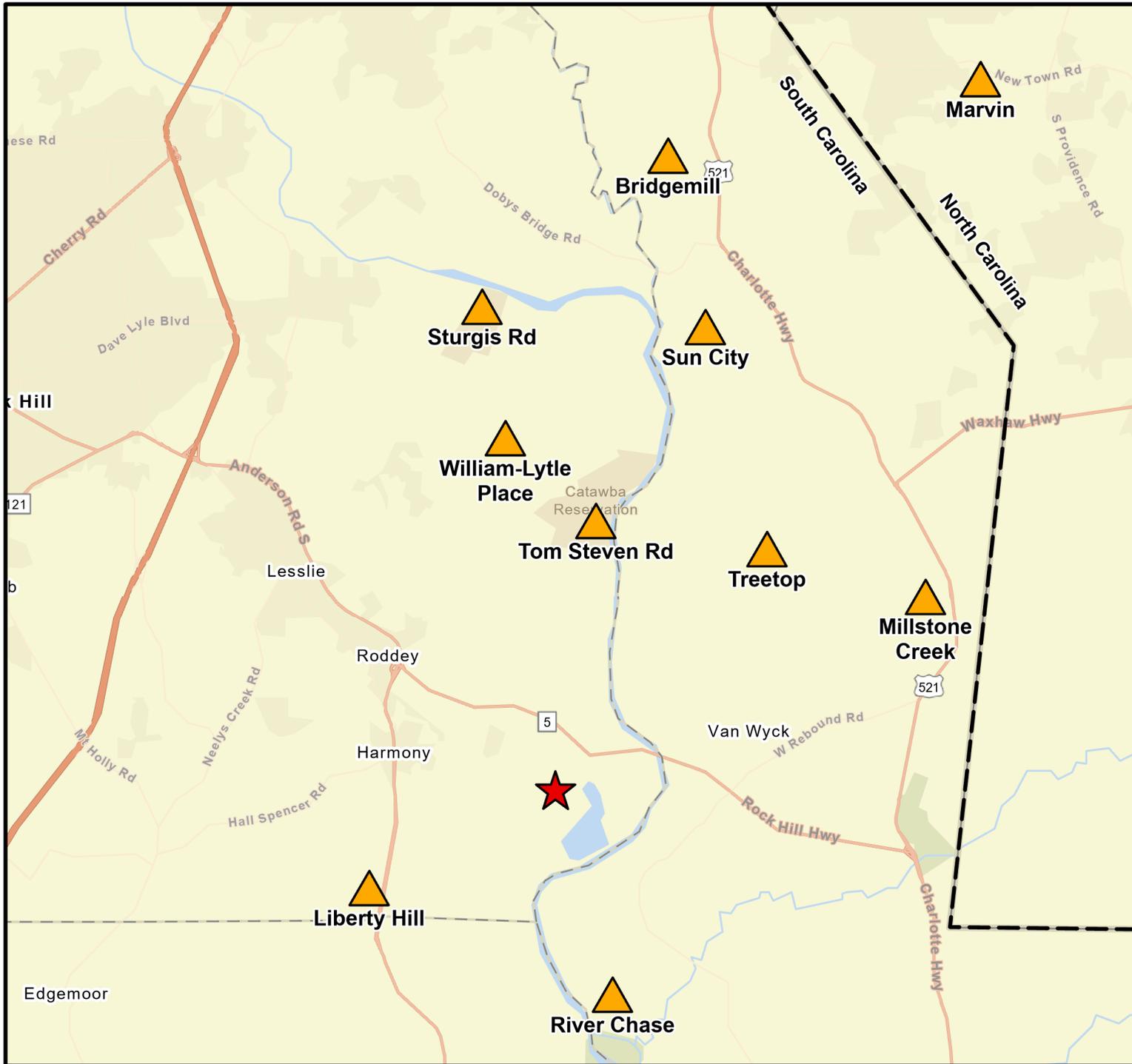
Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	27251	3996	0 - 3 ppb	0.21 ppb	70 ppb

Liberty Hill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H2S	No	27492	0	0 - 0 ppb	0 ppb	70 ppb

**Notes:**

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

- ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
- H<sub>2</sub>S Hydrogen Sulfide
- hr Hour
- ppb Parts per billion
- MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
- SPM Single Point Monitor
- TWA Time Weighted Average



**Legend**

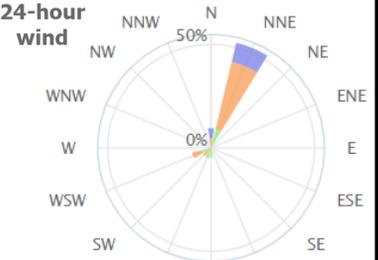
-  Fixed Monitoring Locations
-  New Indy Containerboard



Map Source:  
ESRI Streets



Note: Wind diagram below shows the direction wind is blowing from.



- Vrbl: 4.75%  
Calm: 9.49%
-  <1 mph
  -  5-10 mph
  -  15-20 mph
  -  1-5 mph
  -  10-15 mph
  -  20-25 mph
  -  >25 mph

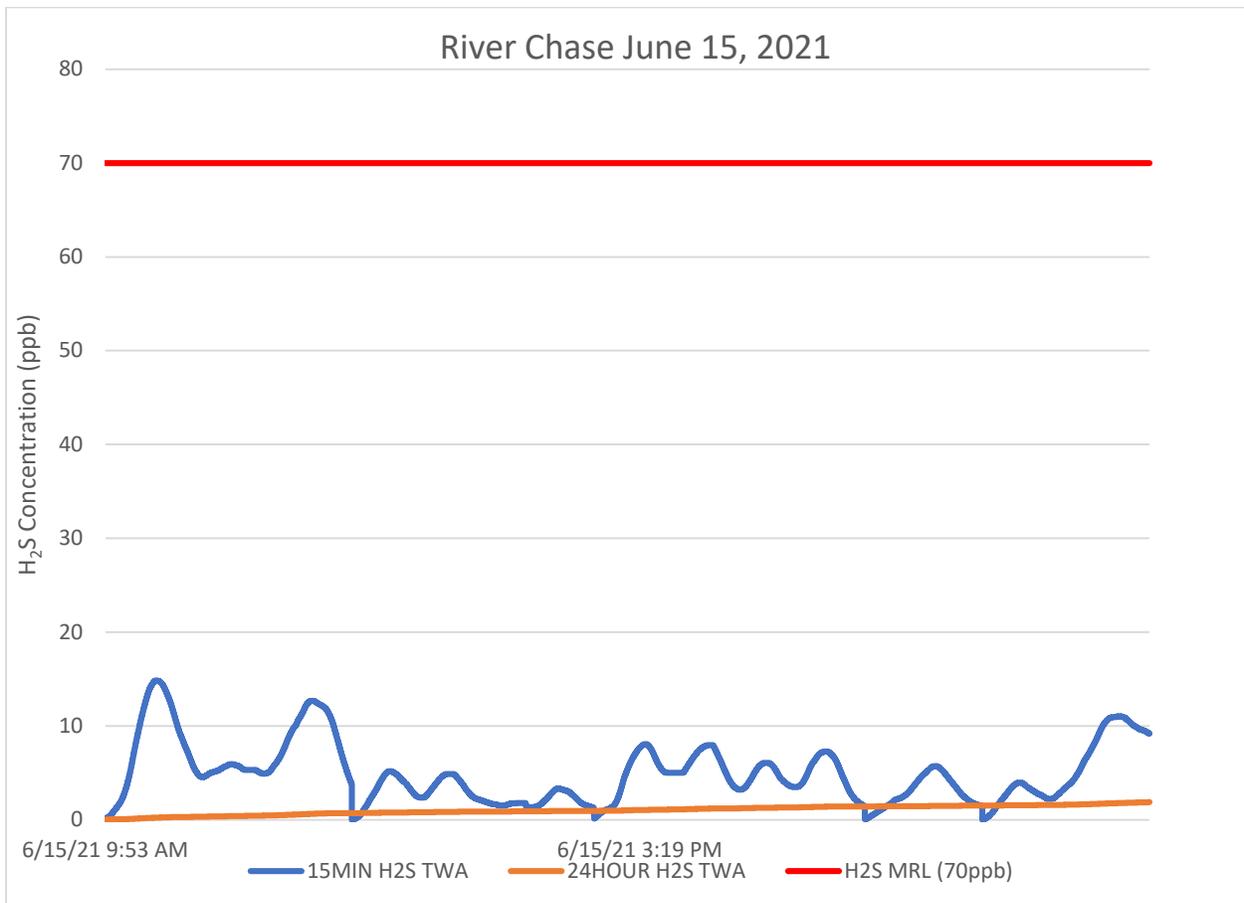
# H<sub>2</sub>S in South and North Carolina

## Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

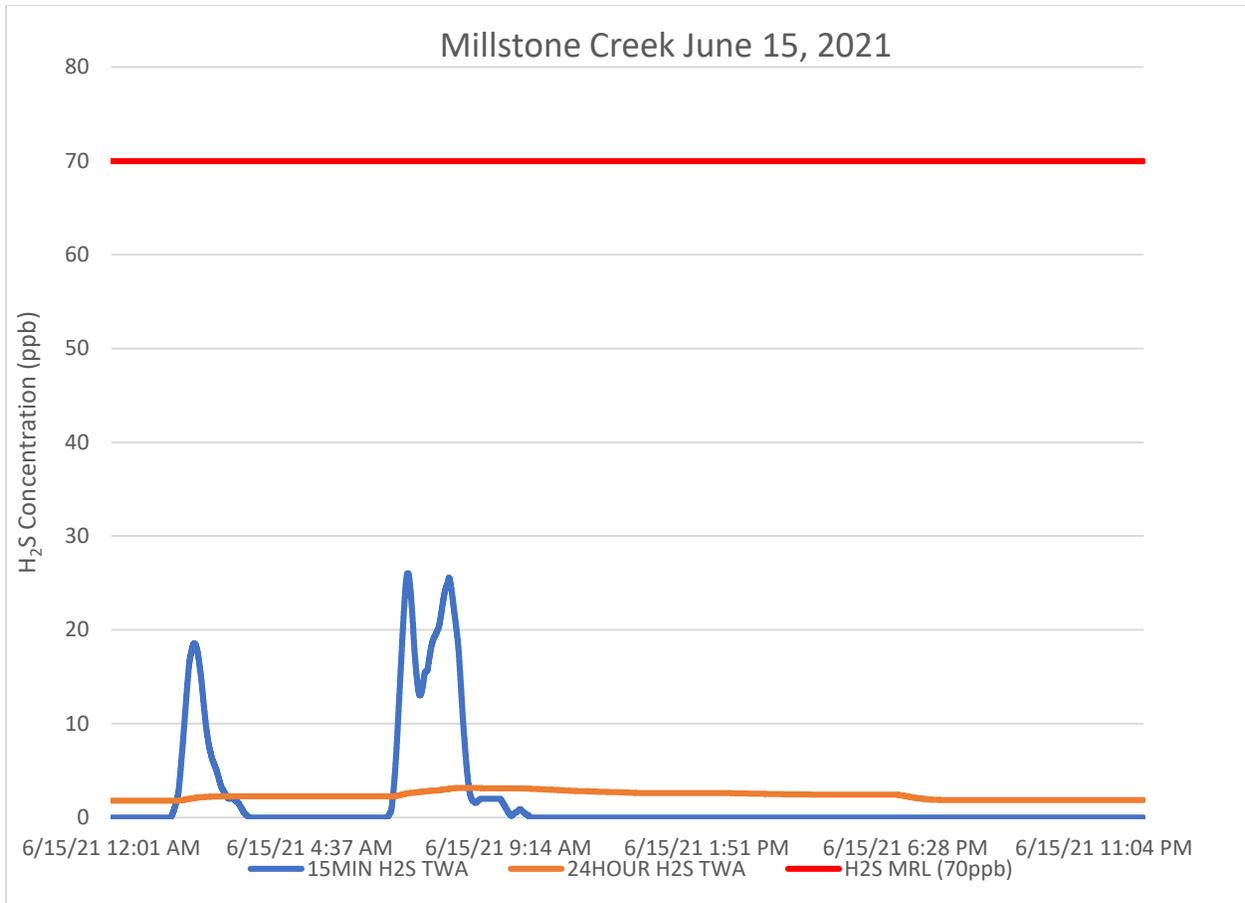
The prevailing wind directions for this reporting period were out of the north-northeast with smaller percentages out of the north, west-southwest, and south-southwest. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: William-Lytle Place, Sturgis Rd, and Liberty Hill.



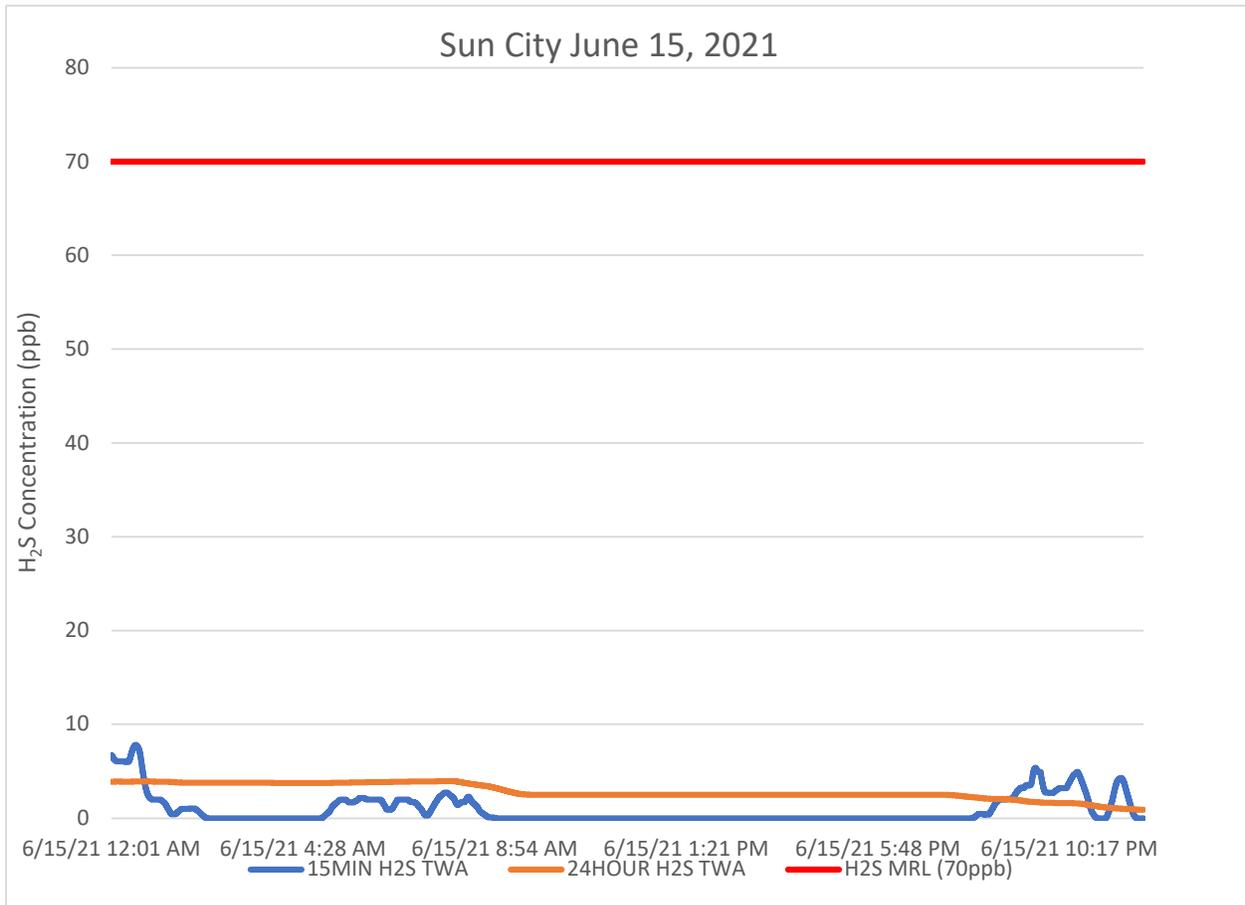
### Notes:

H<sub>2</sub>S – Hydrogen Sulfide  
MIN – Minute  
MRL – Minimal Risk Level  
ppb – Parts per billion  
TWA – Time weighted average



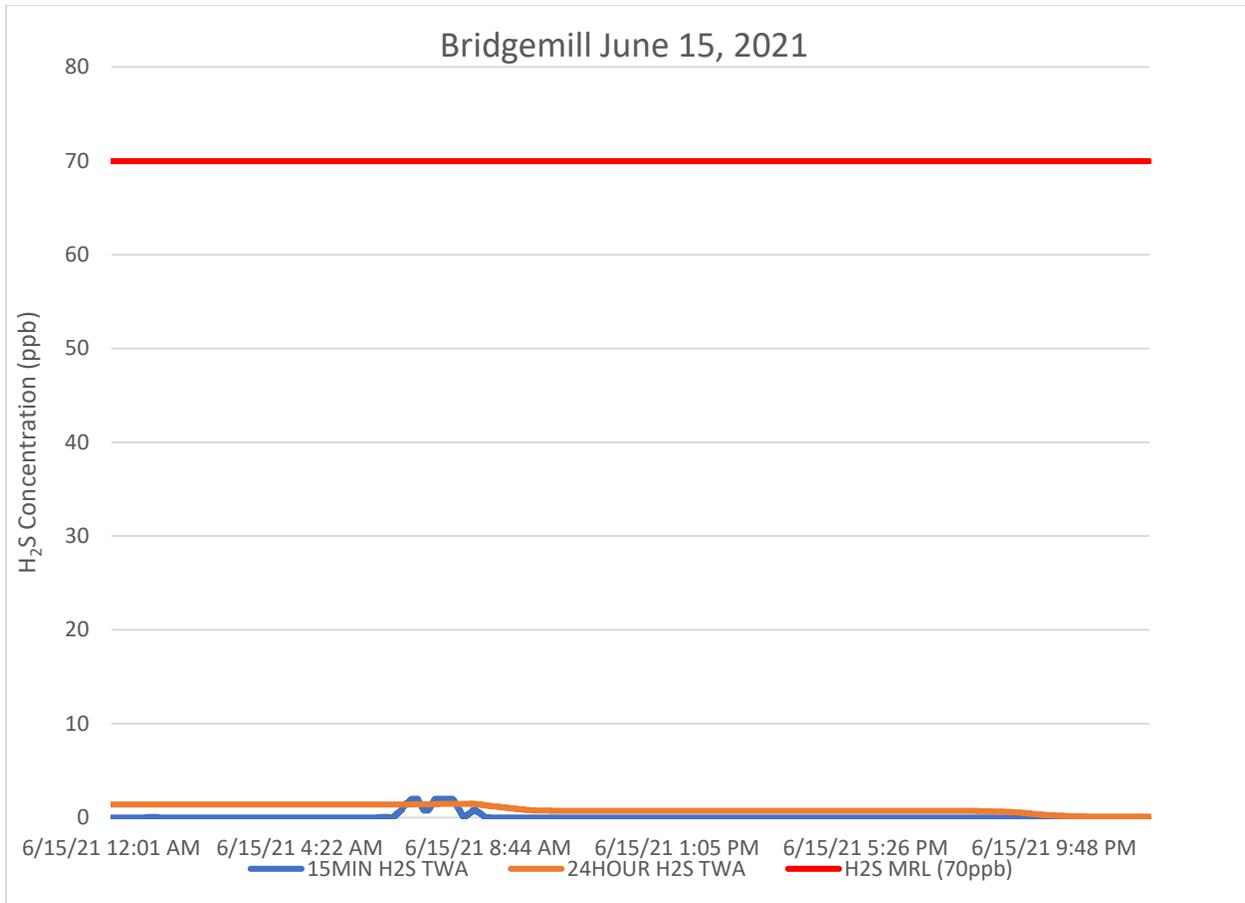
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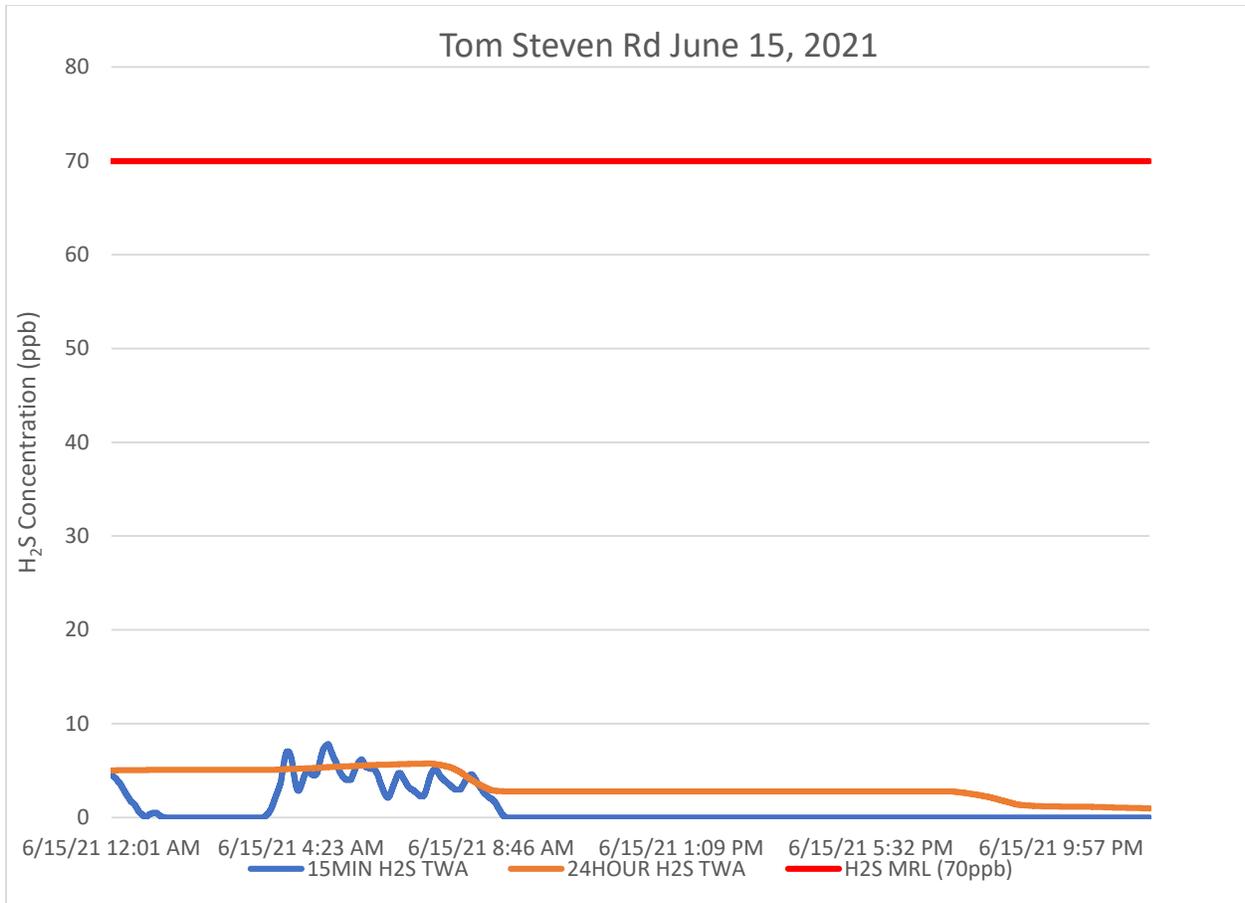
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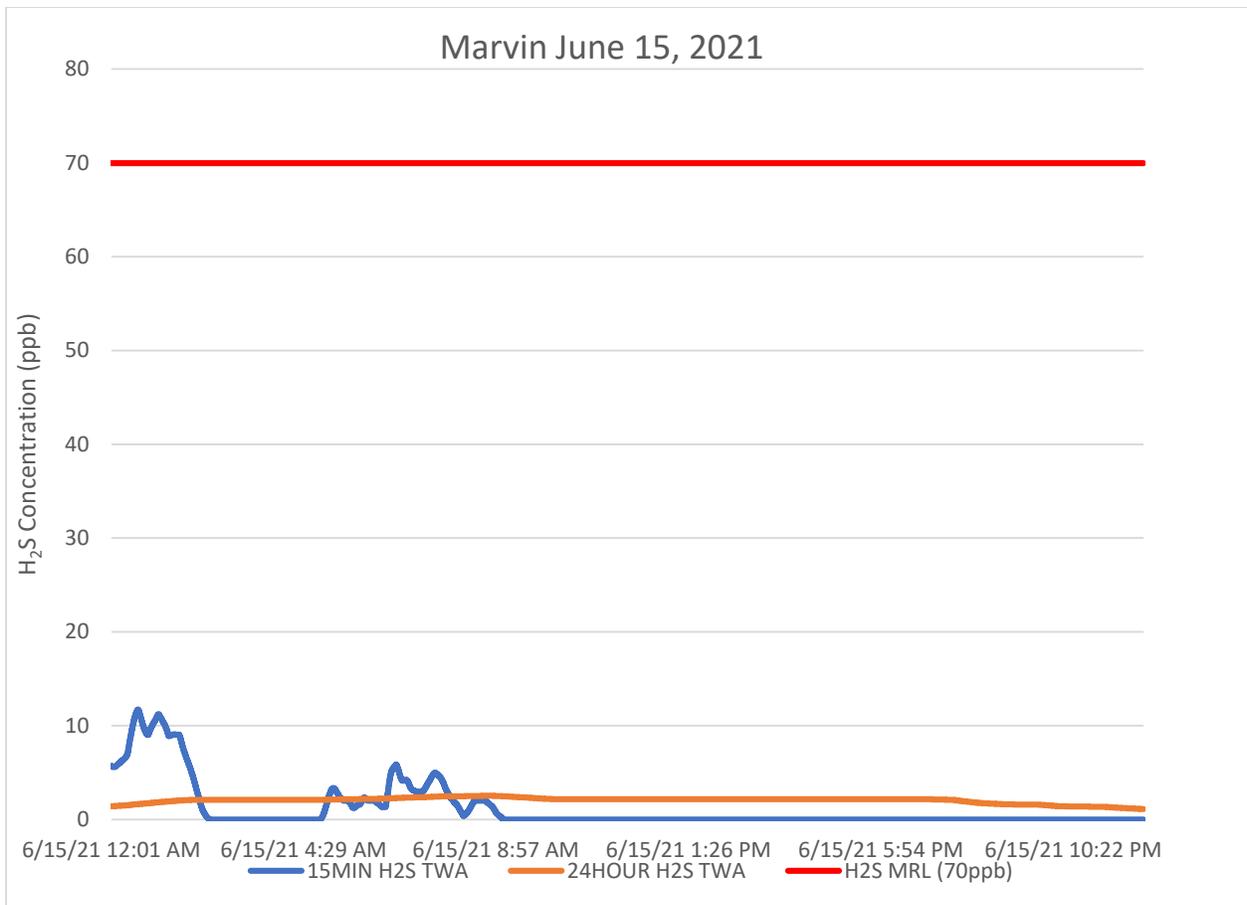
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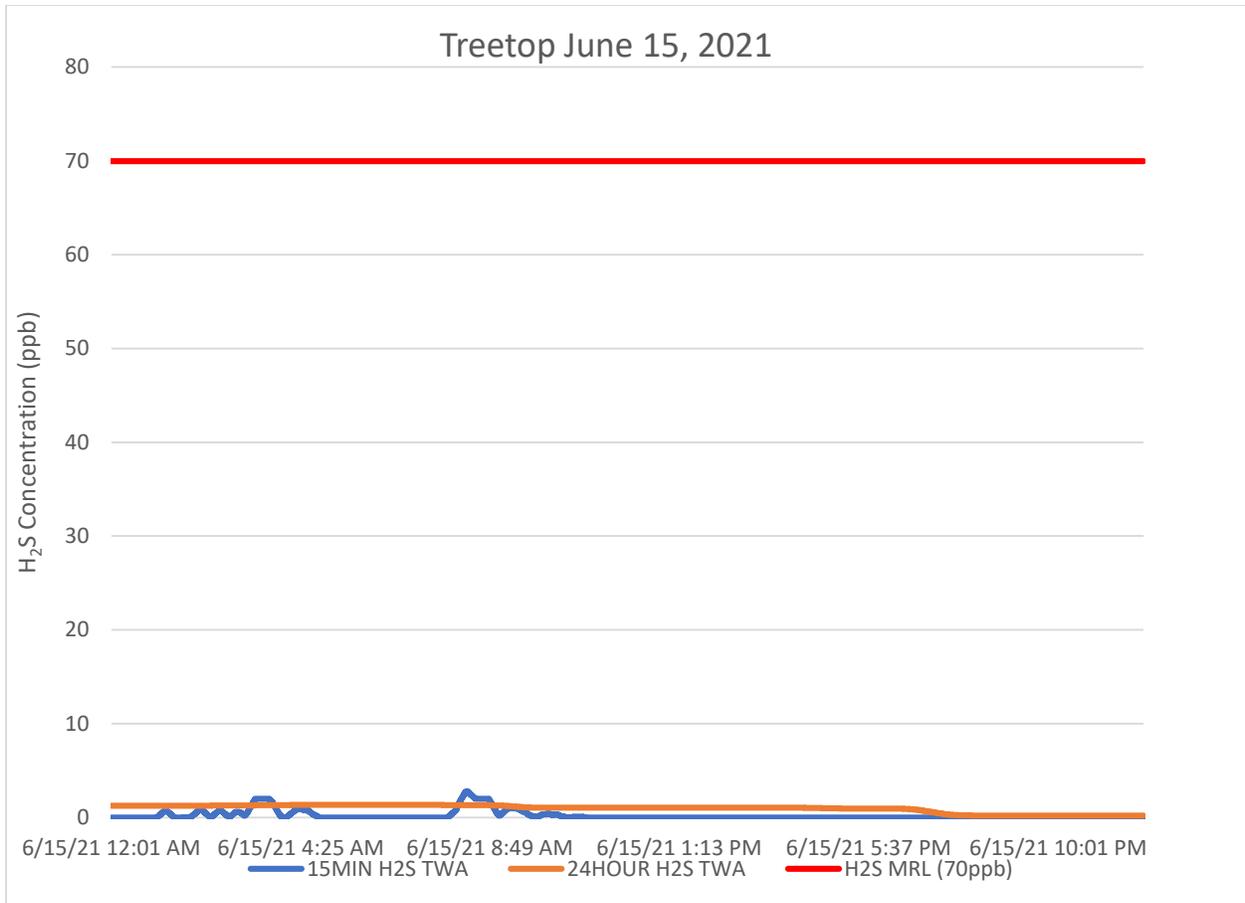
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