CEDAR HILLS REGIONAL LANDFILL QUARTERLY ENVIRONMENTAL MONITORING REPORT

Second Quarter 2020

King County
Department of
Natural Resources and Parks
Solid Waste Division

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August 2020

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CHECKLIST FOR GROUNDWATER REPORTING
Municipal Solid Waste Landfills
WAC 173-351-415

Include a signed, completed copy of this checklist with each quarterly and annual report.

Quarterly groundwater reports shall be submitted to the jurisdictional health department and Ecology within 60 days of receipt of analytical data. Annual groundwater reports shall be submitted to the jurisdictional health department and Ecology by April 1 of each year.

1st ——— 2nd —✓— 3rd ——— 4th ——— YEAR 2020	Reference (section, subsection)	Included in this report	Location – page # or appendix #
Quarterly Groundwater Reports*: 173-351-415 (2) plus the referenced section*			
Statistical calculations and summaries			
Descriptive statistics	420, (1)	☐	
Statistical tests	420, (2)	☒	3
Notification of statistical increase (if applicable)	420, (4)	☒	3
Notification of concentrations above Chapter 173-200 WAC criteria (if any)	430, (4)	☒	25, 26, 39,40
Static water level readings	415, (2)	☒	App B
Potentiometric surface elevation maps depicting flow direction	415, (2)	☒	App A
Flow rate – calculated	415, (2)	☒	App A
Cation-anion balances	430, (5a)	☒	27-31, 45,46
Explanation of greater than 5% (or 10%) difference if needed	430, (5a)	☐	
Trilinear diagrams	430, (5b)	☒	33, 34, 42, 43
Leachate analyses (if sampled and tested)	415, (2)	☒	App B
Data entered into EIM database (date entered:)	415, (3)	☐	
Complete copy of the lab report with chain of custody record.		☐	
Annual Groundwater Reports*: 173-351-415 (1)* **YEAR**			
Summary of statistical results and trends	415, (1)	☐	
Summary of groundwater flow rate and direction for the year	415, (1)	☐	
Copy of all potentiometric maps for the year	415, (1)	☐	
Summary geochemical evaluation	415, (1)	☐	
For Quarterly and Annual Reports			
Stamped by a licensed professional	RCW 18.220	☒	v

DocuSigned by:
Subrina Talusin
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Signature of Report Author

August 28, 2020
Date

Cedar Hills Regional Landfill
Landfill

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CERTIFICATION

Quarterly Report Groundwater Evaluation Report Certification

I certify in accordance with the requirements of WAC 173-351-400(c) (3), that the contents of this **Cedar Hills Regional Landfill Quarterly Environmental Monitoring Report** were prepared under my direction or supervision under a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Where applicable, some specific and related hydrogeologic portions have been duly certified by the responsible groundwater scientist. Based on my inquiry of the person(s) directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Name: Laura Belt, P.E.	**Title:** Supervising Engineer, Facility Engineering and Science Section	**Date:** August 28, 2020
Mailing Address: Solid Waste Division King County Department of Natural Resources & Parks 201 South Jackson Street, Suite 701 Seattle, WA 98104-3855		**Telephone Number:** 206-477-5215
Signature: DocuSigned by: Laura Belt 62EB1763091846C...		



EXPIRES 8/10/2021

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KING COUNTY SOLID WASTE DIVISION

CEDAR HILLS REGIONAL LANDFILL

QUARTERLY ENVIRONMENTAL MONITORING REPORT

CONTENTS

CHECKLIST FOR GROUNDWATER REPORTING iii

CERTIFICATION v

SUMMARY OF QUARTERLY ENVIRONMENTAL MONITORING

1.0 QUARTERLY RESULTS AND ANALYSIS 1

1.1 GROUNDWATER 1

1.2 STORMWATER 6

1.3 LANDFILL GAS 6

2.0 ANALYTICAL METHODS 7

3.0 REFERENCES 10

FIGURES

Figure 1 Groundwater Monitoring Network 12
Figure 2 Surface Water and Stormwater Monitoring Network 14
Figure 3 Leachate Monitoring Locations 16
Figure 4 Landfill Gas Migration Monitoring Network 18
Figure 5 Trilinear Diagram Upgradient And Crossgradient Regional Wells 33
Figure 6 Trilinear Diagram Downgradient Regional Wells 34
Figure 7 Trilinear Diagram East Perched Zone Wells 43
Figure 8 Trilinear Diagram SSW Area Perched Zones Wells 44

TABLES

Table 1 Cedar Hills Regional Landfill: Groundwater Monitoring Wells 20
Table 2 Cedar Hills Regional Landfill: Groundwater Monitoring Activities 2nd Quarter 2020 23
Table 3 Cedar Hills Regional Landfill: Regional Aquifer Groundwater Quality Standard Exceedances 25
Table 4 Ion Balance Calculations. Cedar Hills Regional Landfill: Quarterly and Semi-Annual Regional Aquifer Groundwater Monitoring 27
Table 5 Intrawell Prediction Limit Values and Results. Cedar Hills Regional Landfill Regional Aquifer Quarterly and Semi-Annual Monitoring Wells. 36
Table 6 Cedar Hills Regional Landfill. Regional Aquifer Volatile Organic Compound Detections 38
Table 7 Cedar Hills Regional Landfill. Perched Zones Groundwater Quality Standard Exceedances 39
Table 8 Ion Balance Calculations. Cedar Hills Regional Landfill. Perched Zones Groundwater Monitoring Wells 45
Table 9 Intrawell Prediction Limit Values. Cedar Hills Regional Landfill Perched Zones Monitoring Wells 48
Table 10 Cedar Hills Regional Landfill. Perched Zones Volatile Organic Compound Detections 50
Table 11 Cedar Hills Regional Landfill. Volatile Organic Compound Detections in Blanks 52
Table 12 Cedar Hills Regional Landfill. Storm and Surface Water Monitoring Activities 2nd Quarter 2020 53
Table 13 Cedar Hills Regional Landfill. Stormwater Permit Benchmarks and Effluent Limits industrial Stormwater General Permit Benchmarks and Effluent Limits 54
Table 14 Cedar Hills Regional Landfill. Stormwater Permit Criteria Exceedances 55
Table 15 Water Quality Standards for Groundwaters of the State of Washington 57
Table 16 Cedar Hills Regional Landfill. Lab Data Review - Suspect Data 59

APPENDICES

Appendix A POTENTIOMETRIC SURFACE MAPS & AQUIFER FLOW CALCULATIONS

Appendix B FIELD DATA AND ANALYTICAL TEST RESULTS
GROUNDWATER
STORMWATER
LEACHATE
LANDFILL GAS MONITORING
ANALYTICAL DATA QUALIFIERS

Appendix C METEROLOGICAL DATA

Appendix D AREA 5 TOP DECK MONITORING REPORT

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Cedar Hills Regional Landfill Summary of Quarterly Environmental Monitoring Second Quarter of 2020

This summary discusses quarterly environmental monitoring results for groundwater, stormwater, and landfill gas migration monitoring for Cedar Hills Regional Landfill (CHRLF).

Environmental samples were collected and analyzed in accordance with the Environmental Monitoring Sampling and Analysis Plan for Cedar Hills Regional Landfill (Dec., 2013), (SAP), and the Quality Assurance Project Plan for Environmental Monitoring at King County Solid Waste Facilities (QAPP). These plans describe procedures and activities to obtain sufficient and representative quality data to adequately conduct environmental monitoring at the CHRLF and provide documentation.

1.0 Quarterly Results and Analysis

This Section discusses the current monitoring results and how they compare to previous results from samples collected at CHRLF.

1.1 Groundwater

Groundwater monitoring well details, locations, and monitoring status are presented in Table 1 and Figure 1. Monitoring activities for the Second quarter are listed in Table 2.

1.1.1 Regional Aquifer

A refined conceptual model was developed in the *Cedar Hills Regional Landfill Site Wide Hydrogeologic Report Addendum (Dec., 2013).* The model fits the site into its regional context of recharge and discharge, provides a detailed look at flow paths within the Regional Aquifer, and defines specific detection zones for each monitoring well. The model provides a thorough evaluation of the monitoring well coverage from the facility waste placement areas and indicates that CHRLF has a sufficient and effective monitoring well network in place. In addition, an alternate groundwater sampling frequency has been implemented for detection groundwater monitoring consistent with WAC 173-351-450 (see SAP, Table 1 and Figure 1).

Regional Aquifer analysis results for downgradient and crossgradient wells for this quarter are generally consistent with past results. Several upgradient wells continue to show elevated concentrations of several parameters indicating changing water quality upgradient of CHRLF.

Groundwater elevations and potentiometric surfaces are within historical ranges and reflect seasonal responses to precipitation. The Potentiometric Surface Map and Groundwater Flow Analysis Report can be found in Appendix A. Elevations measured this quarter conform to the current hydrogeologic model.

Groundwater samples were analyzed for both dissolved and total metal fractions. However, only total metals results (per WAC 173-351-430(2)(b)(ii)) were compared to primary groundwater and drinking water quality standards, as listed in WAC 173-351-990 Appendix I

and Title 40 CFR Subpart G Part 141. Dissolved iron and manganese were compared to secondary groundwater quality standards, as listed in WAC 173-351-990 Appendix II.

Implementation of the most recent SAP resulted in a reduction in the total number of wells that are monitored. The remaining wells to be monitored were designated either as quarterly (all quarters of the year), or as semi-annual (second and fourth quarters of the year). This quarter, wells designated for quarterly and semi-annual monitoring were sampled, and are listed in Table 1.

Analytical Results

Analytical results can be viewed in Appendix B: Field and Analytical Test Results, and a discussion of groundwater criteria exceedances is below.

Exceedances of the Primary Ground Water Quality Criteria were observed for total arsenic as listed below:

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-59, MW-66, MW-68*, MW-81, MW-83, MW-93, MW-94	MW-72, MW-74R, MW-75, MW-80, MW-85, MW-87
Semi Annual Sampled Wells	MW-21, MW-24, MW-56, MW-64, MW-65, MW-73, MW-76, MW-82, MW-95	MW-67, MW-86, MW-88, MW-89, MW-100*

*Also exceeded Primary Federal Ground Water Quality Criteria

Exceedances of the Secondary Ground Water Quality Criteria were observed for dissolved iron as listed below:

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-59, MW-68	MW-67, MW-72, MW-75, MW-80, MW-87
Semi-Annual Sampled Wells	MW-21, MW-24, MW-65	MW-86, MW-89, MW-100

Exceedances of the Secondary Ground Water Quality Criteria were observed for dissolved manganese as listed below:

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-59, MW-68, MW-93	MW-67, MW-72, MW-75, MW-80, MW-87
Semi-Annual Sampled Wells	MW-21, MW-24, MW-56, MW-65, MW-83, MW-95	MW-89, MW-100

Exceedances of Primary Ground Water Quality Criteria were observed for Vinyl Chloride as listed below:

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	---	---
Semi Annual Sampled Wells	MW-65	---

Exceedances of Secondary Ground Water Quality Criteria were observed for Trichloroethene as listed below:

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	---	---
Semi Annual Sampled Wells	MW-82; MW-76*	---

*Also exceeded Primary Federal Ground Water Quality Criteria

Primary and secondary exceedances of regulatory standards are tabulated and presented in Table 3.

Trilinear Diagrams and Ion Balance

Trilinear Diagrams (Figures 5 and 6) indicate water quality type (hydrochemical facie) based on the dissolved ion distribution. The diagrams are useful to recognize spatial and temporal variability, potential analytical error, or change in hydrochemical facie. All regional samples are within the calcium-magnesium-bicarbonate hydrochemical facie. Data are consistent with previous quarters. Ion balance calculations (Table 4) indicate no analytical error (> 10%) in any regional wells.

Prediction Limits

Intra-well upper prediction limits (UPLs) are calculated annually and have been updated with data collected through the end of 2019. Calculated prediction limits and analytical results for WAC 173-351-990 Appendix I parameters are presented in Table 5 and summarized below.

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	---	---
Semi-Annually Sampled Wells	---	MW-100 (total arsenic)

No UPL exceedances occurred for Regional Upgradient and Crossgradient wells in the second quarter of 2020.

MW-67

Prediction limit exceedances were reported previously for MW-67. The retesting data has been reviewed and found to be valid. Since these prediction limit exceedances are all below Primary and Secondary Federal Drinking Water Maximum Contaminant Levels (MCLs), the

Solid Waste Division is working with Seattle/King County Department of Public Health (SKCDPH) and Ecology to develop the appropriate response actions.

Volatile Detections
Volatile Organic Compound (VOC) detections in regional aquifer wells this quarter are presented in Table 6. There continue to be regularly occurring detections of chlorinated solvents and their breakdown products within the monitoring network at CHRLF, all of which are associated with the upgradient Queen City Farms (QCF) Superfund site. These detections include the following:

- Cis-1,2-Dicholoroethene was detected in quarterly monitored well MW-59, and semi-annually monitored wells MW-56 and MW-76;
- Trichloroethene (TCE) was detected in quarterly monitored wells MW-83 and MW-94 and semi-annually monitored wells MW-76 and MW-82;
- Tetrachloroethene (PCE) was detected in semi-annually monitored well MW-76;
- Vinyl Chloride was detected in semi-annually monitored well MW-65.

These upgradient well detections are consistent with past data and continuing migration from QCF.

Other volatile detections this quarter in regional well MW-95 include acetone which is commonly found as laboratory contamination at low concentrations. This detection for this quarter is qualified ‘JT’, indicating detections were below the reporting detection limit but greater than the method detection limit (T qualifier), and reported as “estimated” (J qualifier). Another acetone detection was at MW-87 is qualified ‘BJT’ indicating sample result less than or equal to 10X blank detection while analyte was present in blank (B qualifier), detection below the reporting detection limit but greater than the method detection limit (T qualifier), and reported as “estimated” (J qualifier).

1.1.2 Perched Zones

The East Perched Zone (EPZ) is a series of localized areas east of the Main Hill exhibiting shallow subsurface saturation that appears laterally and vertically discontinuous, predominantly within till and lacustrine silts.

The South Solid Waste Area (SSWA) Perched Zone contains perched groundwater that occurs both within pockets of variable surficial deposits comprised of local alluvium, recessional outwash, and/or weathered till (shallow perched zone), and within melt-out deposits in an overall predominately lodgment till sequence (deeper perched zone).

Groundwater elevations measured during the quarter in the Perched Zones are within historical ranges. Samples were collected from EPZ monitoring wells MW-30A, MW-47, MW-62, MW-102, MW-103, MW-104, MW-107, MW-108, MW-109, MW-110, MW-111, MW-112, and MW-EB6. MW-101 near the former SSWA was also sampled. Groundwater quality data from Perched Zones wells collected during the second quarter of 2020 are consistent with previous samples.

MW-105
MW-105 was installed on the south side of the east leachate lagoon to have a monitoring well in the shallowest perched groundwater zone to provide early leak detection. If specific conductance shows a statistically significant increasing trend or exceeds 500 μmhos/cm specific conductance (whichever condition is triggered first), then additional sampling (per the SAP) will be conducted and results assessed with respect to potential leakage from the lagoon.

This quarter, the conductivity at MW-105 was field measured at 174.8 μmhos/cm.

Analytical Results
Exceedances of regulatory standards for the perched zone wells are tabulated and presented in Table 7. All are consistent with past analyses and known impacts. MW-47 also exceeded Primary Federal Ground Water Quality Criteria for vinyl chloride, while MW-109 exceeded Primary Federal Ground Water Quality Criteria for arsenic.
EPZ replacement monitoring wells (MW-102 to MW-104, MW-107 to MW-112) have been added in the second quarter of 2020 monitoring event.

Trilinear Diagrams and Ion Balance
Trilinear plots for Perched Zone samples are all within the calcium-magnesium-bicarbonate hydrochemical facie, consistent with past samples (Figures 7 and 8). EPZ replacement monitoring wells (MW-102 to MW-104, MW-107 to MW-112) have been added in the second quarter of 2020 monitoring event.

Ion balance calculations (Table 8) indicate no analytical error (> 10%) in any perched wells.

Prediction Limits
As with the regional data, perched zone prediction limits are derived from cumulative data through the end of 2019. Calculated prediction limits for WAC 173-351-990 Appendix I parameters along with analytical results are presented in Table 9.

No UPL exceedances occurred for Perched Zone wells in the second quarter of 2020.

Volatile Detections
VOC detections in the perched zones are presented in Table 10. Multiple detections listed in the table are due to switching to Lower Limit of Quantitation (LLOQ) methodology, which lowered the detection limit for a variety of VOCs. These data points are qualified ‘JT’ for all VOCs except one ‘BJT’ for Acetone, one ‘D’ and one ‘DJT’ for Vinyl Chloride in Table 10. Qualifier ‘JT’ indicates sample result present but unquantified or in other words above the MDL but below the LLOQ while analyte was present in blank (B qualifier), qualifier “D” indicates sample result was diluted”. EPZ replacement monitoring wells (MW-102 to MW-104, MW-107 to MW-112) have been added in the second quarter of 2020 monitoring event.

All other analytes are consistent with past analyses and known impacts.

1.2 Stormwater

1.2.1 CHRLF ISGP

CHRLF stormwater discharge is authorized by an Industrial Stormwater General Permit (ISGP) issued by the Washington State Department of Ecology (Ecology). The permit defines discharge benchmarks, applicable to all facilities, and effluent limits, applicable specifically to landfills. These values are listed in Table 13. Sampling stations SW-N4, SW-SL3 and SW-GS1 (see Figure 2) are the designated points for comparison to permit benchmarks and effluent limits.

ISGP required monitoring activities for the second quarter of 2020 are listed in Table 14. There were no recorded exceedances this quarter. ISGP Discharge Monitoring Reports (DMRs) are included in Appendix B.

1.2.2 CHRLF CSWGP

Beginning in 2017, a Construction Stormwater General Permit (CSWGP) was issued for CHRLF (permit number WAR305034 with Ecology) for the Area 8 construction activities. A separate Stormwater Pollution Prevention Plan (SWPPP) was created for this CSWGP permit. This permit is still active and will be in effect through the duration of the construction project.

Four (4) discharge locations are monitored weekly for compliance with the CSWGP in accordance with the SWPPP by the contractor. The construction contractor also inspects the required construction site Best Management Practices (BMPs) and the CSWGP monitoring locations daily during construction activities. The four locations monitored are listed as follows:

1. C-1 (NW end of the site, downstream of the NW siltation pond);
2. C-2 (NE end of the site, downstream of the N stormwater pond);
3. C-3 (SE portion of the site, downstream of the S stormwater lagoon and upstream of the bioswale); and,
4. C-4/CHL (SW part of the site, downstream from the SW siltation pond).

There were no CSWGP exceedances for turbidity at monitoring locations C-1 and C-3 during the second quarter of 2020 (see Table 14). Copies of required stormwater reports submitted to Ecology are included in Appendix B.

1.3 Landfill Gas

Compliance probes, interior probes, on-site buildings, and supplemental monitoring probe results and location maps are included in Appendix B.

1.3.1 Compliance Probe Network

A network of compliance probes is monitored for landfill gas (LFG) migration around the perimeter of the landfill. Probes are monitored by the LFG crew monthly to monitor system performance and quarterly for compliance. The location map for the compliance probes can be viewed in Figure 4 and in Appendix B. The monitoring results for the compliance probes during the second quarter of 2020 are located in Appendix B.

No compliance probe methane detections occurred during the second quarter of 2020.

1.3.2 Interior Probe Network

Additional probes on the landfill site, located interior to the compliance probes but outside of the waste footprint, are monitored monthly. These probes provide valuable information for optimizing the performance of the LFG collection system and help to prevent LFG migration. The location map and monitoring results for the interior probes during the second quarter of 2020 can be viewed in Appendix B.

1.3.3 On-Site Building Monitoring

As required by WAC 173-351-200, gas concentrations are monitored inside facility structures. Structures are monitored quarterly for methane. No detections of methane occurred this quarter. The location map and monitoring results for facility gas monitoring during the second quarter of 2020 are presented in Appendix B.

1.3.4 Supplemental Migration Monitoring

Detections above the regulatory limit in LFG probe GP-33C in September of 2011 prompted actions including monitoring frequency increases; operational adjustments to increase LFG recovery rates; off-site structure monitoring; and preparation of a response plan. Operational review resulted in modifications to enhance extraction from unlined areas and under liner spaces that could potentially act as gas conveyance pathways. The plan resulted in installation of thirteen (13) borings targeting the potential zone of LFG migration in the native sediments. Eight (8) borings serve as LFG extraction wells and five (5) borings as monitoring probes. The extraction wells and migration probes are monitored twice a month. This quarter, methane was detected at monitoring location MGPW1710D at 0.5% and 2.9% by volume. The location map and supplemental monitoring results are included in Appendix B.

Review of historical data indicates the system has been effective in controlling LFG migration to the perimeter probes.

2.0 Analytical Methods

Groundwater quality is evaluated by comparison of analysis results to regulatory standards, geochemical analysis, and statistical evaluation. Water quality analytical results for stormwater runoff discharged from the landfill site are compared to the limits set in the ISGP and CSWGP. The following is a brief description of the standards and analytical tools used to review each matrix.

2.1 Regulatory Standards

Groundwater monitoring results are compared to the groundwater quality criteria set forth in WAC 173-200 (Table 15). Stormwater monitoring results are compared to the ISGP Benchmark and Effluent Limits Criteria and CSWGP Benchmarks (Table 13).

2.2 Trilinear Diagrams and Major Ion Balance

Geochemical data are presented on trilinear diagrams. Major cations and anions are plotted on individual triangles as percentages of total milliequivalents per liter (meq/L). These

diagrams illustrate differences in major ion chemistry between groundwater samples and can be used to categorize water composition into identifiable groups or hydrochemical facies. Hydrochemical facies reflect distinct compositions of cation and anion concentrations. The value of the diagram lies in pointing out relationships that exist among individual samples. Trilinear diagrams are included with ionic balance calculations in this report. Ion balance calculations are useful for determining analytical correctness and can be of value in detecting laboratory error or variation in field sampling procedures.

2.3 Prediction Limits

A prediction limit is a statistical test that compares an analytical result to a computed limit value. The limit value is derived from past analytical results, which are considered representative historical data. A value outside of this limiting value is considered evidence that the result is not drawn from the same sample population distribution.

To evaluate the groundwater data for CHRLF, one-sided UPLs are calculated based on intra-well comparisons. Intra-well comparisons present a more conservative approach to determining if a statistically significant release has occurred and is recommended for evaluation of detection monitoring data. In the intra-well approach, a threshold background value is set by determining an UPL. Prediction limits set a comparison threshold for background data with compliance well data and are used to determine if a sample is statistically elevated above background conditions. UPLs for the subsequent year's detection monitoring are calculated at the end of each year and incorporate the previous year's analytical results. UPLs are based on a 0.05 significance level, as approved by Ecology to be protective of human health and the environment. A 0.05 significance level indicates that at most there is a five (5) percent chance that a Type I error (false positive) will occur in the results.

The method for calculating the UPLs depends on both the type of distribution and the number of non-detects present in the background data set. UPLs for background data sets with 100 percent non-detects (NDs) are equal to the highest laboratory method detection limit (MDL). UPLs for background data sets with greater than 50 percent, but less than 100 percent non-detects are calculated based on the highest detected concentration for the respective data set.

Note: Although there are alternative methods for calculating UPLs for background data sets with greater than 90 percent, but less than 100 percent non-detects (e.g., Poisson's Method), the use of the highest detected concentration is generally considered the most conservative. UPLs for background data sets with less than 50 percent non-detects are evaluated for normality. UPLs with non-parametric data sets are based on the highest detected concentration for the respective data set. UPLs for either normally distributed or transformed-normal data sets are calculated based on the following equations for calculating parametric prediction limits with retesting (*EPA Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance, 2009*):

Normal Distribution

$$UPL = x + \kappa s$$

or

Transformed Distribution:

$UPL = y + \kappa s_y$

where: x = mean of the baseline data
y = mean of the transformed data
κ = multiplier for intra-well prediction limits
s = standard deviation of baseline data
s_y = standard deviation of transformed data

For UPLs of constituents that had only ever had non-detects prior to implementing the LLOQ and are now detected, the MDL is being used until sufficient data is available to calculate at UPL.

Analytical results are compared to the respective UPLs on a quarterly/semi-annual basis, depending on the monitoring program, for WAC 173-351-990 Appendix I parameters. If there is an exceedance of the UPL, retesting of that analytical parameter at the respective location is required to determine if the exceedance represents a statistically significant increase over background.

A 1-of-3 retesting plan is used for any exceedances of the intra-well UPLs at CHRLF. No retesting plan was initiated this quarter. This retesting plan provides adequate statistical power and minimizes Type II (False Negative) errors, while providing retesting that accommodates lab turnaround time, data review, and scheduling. This test is performed on parameters listed in WAC 173-351-990 Appendix I and is used to detect a change in the population distribution of the individual well.

2.4 Laboratory Data Quality

Laboratory analytical data is reviewed to verify meeting data quality objectives (DQOs) as defined in the QAPP. Occasionally, results identified during this process are deemed unsuitable for evaluation purposes. A summary of suspect results can be found in Table 16.

2.4.1 Lower Limit of Quantification

Changes made in accordance with federal regulations for the guidance of analytical testing methodologies covered by SW-846 (Test Methods for Evaluating Solid Waste) were implemented in 2017 by the contract laboratory. One specific effect of these changes was to replace the MDL methodology with the LLOQ methodology as the basis for determining the lowest quantitative value of an analyte that can be reported. This affected all methods covered within SW-846.

The LLOQ is a performance based methodology that tests known standards repeatedly to create a calibration curve for a specific method. Commonly, the lowest concentration of the (linear) calibration curve is set as the LLOQ. However, in some cases the LLOQ may be

greater than the baseline curve concentration due to lab specific factors such as instrument sensitivity and method analytical uncertainty.

2.4.2 Analytical Uncertainty and Data Review

An important consideration when reviewing and evaluating analytical data is to examine the uncertainty associated with the measurement of each analyte. When a UPL or groundwater quality criteria exceedance, and the detection limit are similar in magnitude, uncertainty inherent in low level concentration results can call into question the actuality of both presence and/or exceedance of the limit or criteria. This uncertainty is partly due to the 'noise' that is intrinsic in analytical testing methods and laboratory protocol. Arsenic exceedances in groundwater provide an example of this scenario, as the UPL and detection limits for arsenic are both typically quite low (parts per billion), as is the groundwater quality criteria. This results in the analytical measurement being evaluated to be subject to both the uncertainty within the calculation of a UPL, and the 'noise' of the analytical testing method, which includes both method and laboratory specific elements. These factors must be considered when performing a review or statistical evaluation of analytical data before confirmation on a UPL or groundwater quality exceedance can be determined.

3.0 References

1) *Environmental Monitoring Sampling and Analysis Plan for Cedar Hills Regional Landfill*, December 2013 (SAP). King county, Department of Natural Resources and Parks, Solid Waste Division, prepared by Aspect Consulting LLC.
2) *Cedar Hills Regional Landfill Site Wide Hydrogeologic Report* Addendum, December 2013, King county, Department of Natural Resources and Parks, Solid Waste Division, prepared by Aspect Consulting LLC.
3) *Hills Regional Landfill – EPZ Extraction Well Decommissioning Technical Memorandum, Phase 1 – Cedar Hills Regional Landfill*, CONTRACT NO. E00286E12, Task No. 810, July 2018.
4) *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance*, EPA, 2009.

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Northeast Perched Zone (approximate)

East Shallow Perched Zone (approximate)

Property Boundary

WAC 173-351-300 Compliance Boundary

Outer Cover / Liner Limits

Vertical Barrier Wall (approximate)

South Solid Waste Area (SSWA) Original Refuse Limits

MW-81 306.95 2
SG-5
MW-99 -69
SW-E1
MW-106 282.63 0
MW-104
MW-103
MW-93 320.34 0
EB-6
EB-5S
EB-5
MW-54
MW-64 328.97 5
MW-68 310.77 1
MW-47
MW-102
SG-4
MW-90 -44
MW-88 284.63 -3
MW-89 -50
MW-85 283.55 0
MW-22P -33
MW-67 293.12 5
MW-30A
EW-25
MW-65 -18
MW-86 285.32 -2
MW-43 -37
MW-63
MW-80 288.76 -10
MW-62
MW-75 -14
MW-91 -22
MW-87 286.71 -3
MW-74R 288.15 -3
MW-100 319.52 -2
MW-60
MW-71
MW-76 357.22 -6
MW-57 -30
MW-59 -48
MW-66 291.01 -3
MW-77 Decommissioned
MW-24 -42
MW-82 351.73 -3
MW-101
MW-58a -58
MW-56 -32
MW-73 293.00 -5
MW-78 Decommissioned
MW-94 356.13 1
MW-84 292.65 0
MW-70 Decommissioned
MW-72 307.15 -4
MW-69 294.49 -1
MW-21 -29
MW-83 353.32 -3
MW-95 317.43 -3

15-207
15-208
15-209
Issaquah
Issaquah1
McDonald3
3
4
5
K-2a
P-2
M-2a
J-2a
G-2a
L-2a
V-2a

Legend

- MW-76 357.22 -6 — Well recommended for quarterly groundwater quality monitoring
- MW-68 310.77 1 — Well recommended for semi-annual groundwater quality monitoring
- MW-81 306.95 2 — Contingency monitoring well (sample if assessment monitoring is triggered in upgradient well)
- MW-104 — Well recommended for Quarterly static water levels
- MW-70 322.79 5 — Regional Aquifer monitoring well; Groundwater elevation - April 2009; Position (ft) of top of screen with respect to water table (April 2009)
- MW-47 — Perched Zone Aquifer monitoring well
- EB-6 — Perched Zone Piezometer
- EW-25 — Groundwater extraction well
- SG-4 — Staff Gauge with Piezometer
- SW-E1 — Surface water monitoring station

N

0 800 1600 Feet

King County

Groundwater Monitoring Network

Environmental Monitoring Sampling and Analysis Plan
Cedar Hills Regional Landfill, King County, Washington

Figure 1

CAD Path: Q:\Cedar Hills\2013-11 SAP\Q40122-71-Recovered.dwg Figure 7.1 (11 x 17) || Coordinate System: NAD 1983 State Plane Washington North FIPS 4601 Feet || Date Saved: Dec 31, 2013 11:59am || User: mscrafford

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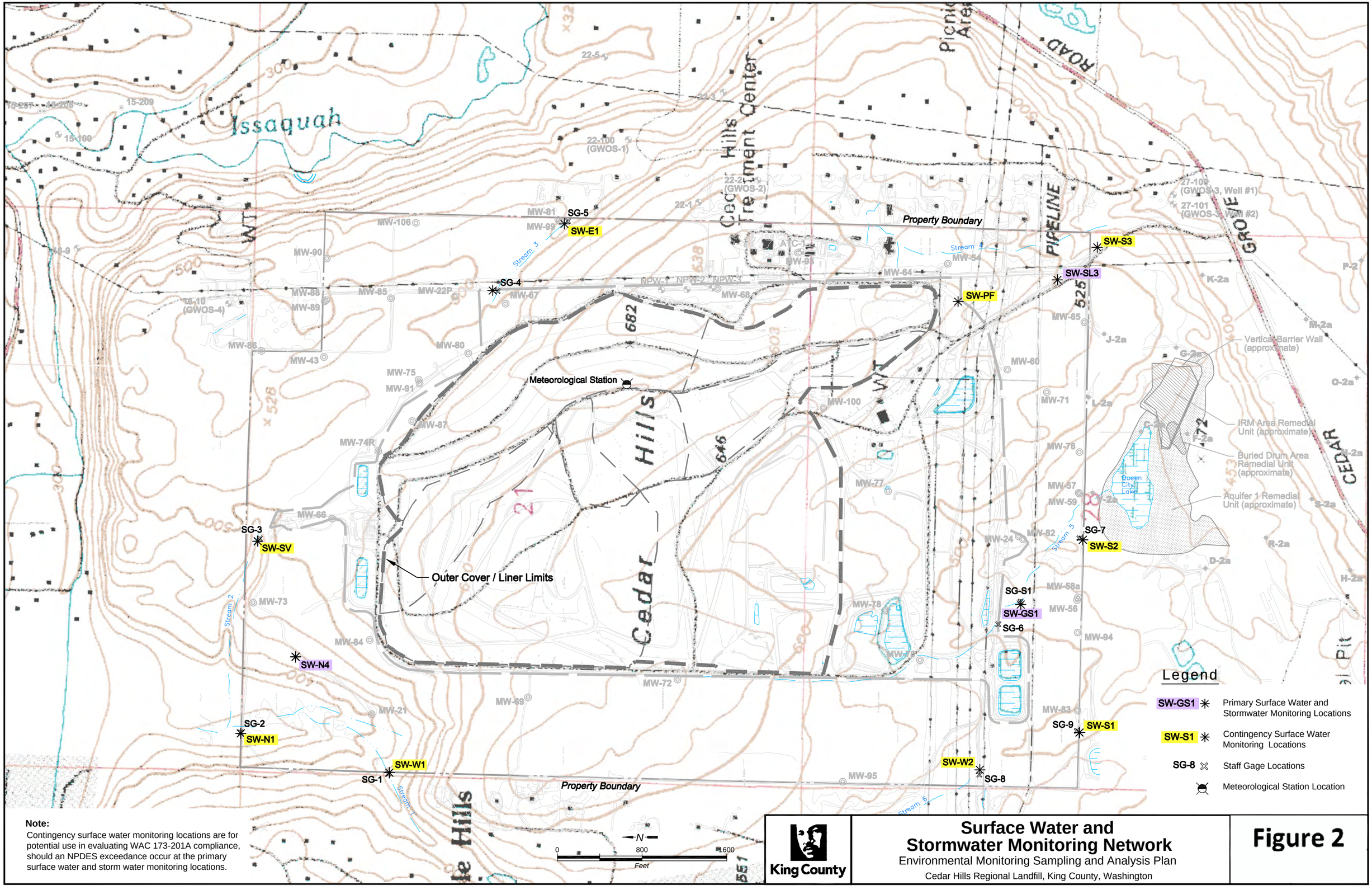

Note:
Contingency surface water monitoring locations are for potential use in evaluating WAC 173-201A compliance, should an NPDES exceedance occur at the primary surface water and storm water monitoring locations.

Legend

SW-GS1 ✳	Primary Surface Water and Stormwater Monitoring Locations
SW-S1 ✳	Contingency Surface Water Monitoring Locations
SG-8 ⊗	Staff Gage Locations
	Meteorological Station Location

King County

Surface Water and Stormwater Monitoring Network

Environmental Monitoring Sampling and Analysis Plan

Cedar Hills Regional Landfill, King County, Washington

Figure 2

CAD Path: Q:\Cedar Hills\2012-01 Environmental Analysis Plan\040122-81_2012.dwg Figure 8.1 (11 x 17) || Coordinate System: NAD 1927 State Plane Washington North FIPS 4601 Feet || Date Saved: Jan 25, 2012 11:47am || User: pbaker

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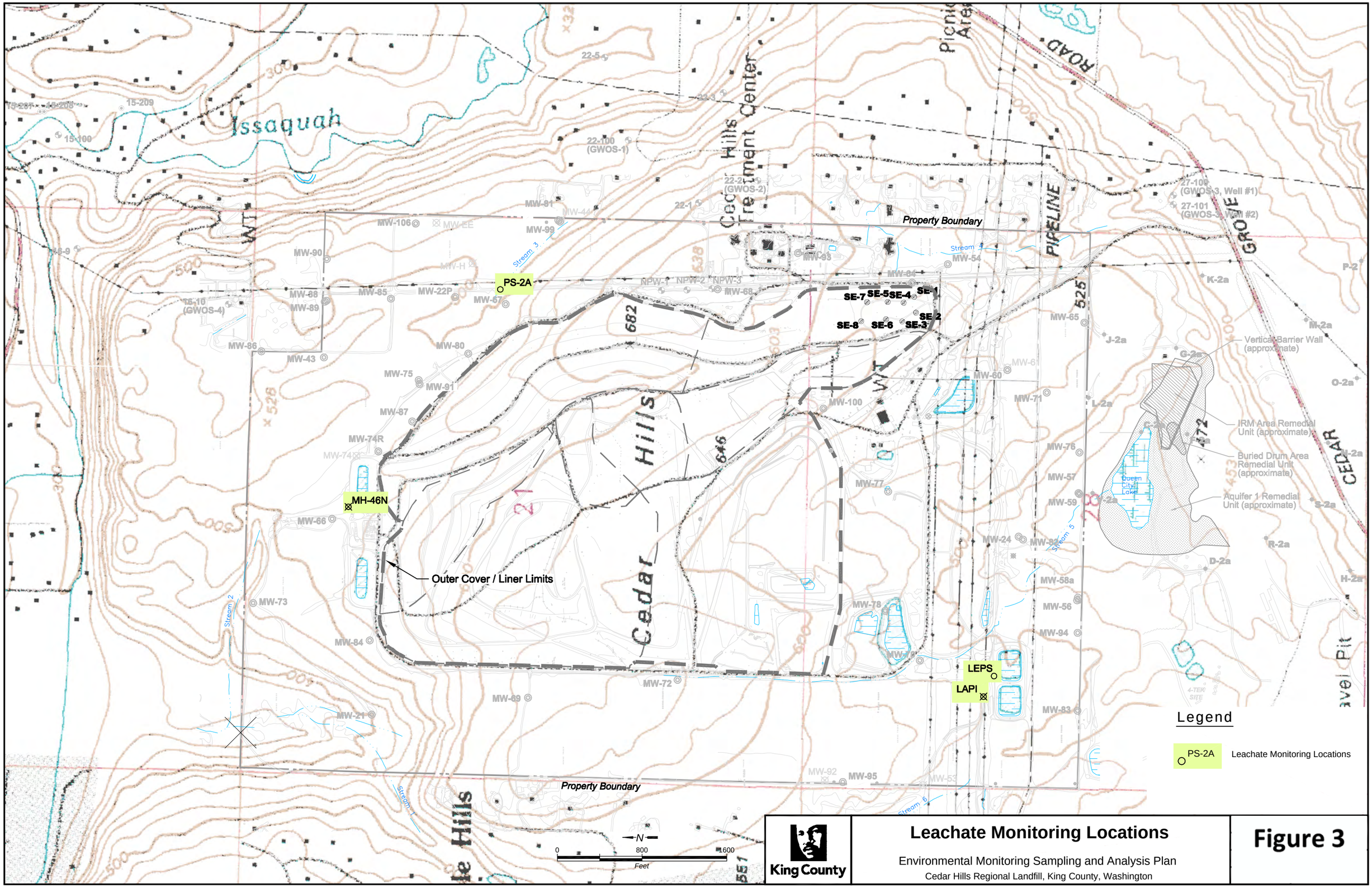

King County

Leachate Monitoring Locations

Environmental Monitoring Sampling and Analysis Plan

Cedar Hills Regional Landfill, King County, Washington

Figure 3

CAD Path: Q:\Cedar Hills\2012-01 Environmental Analysis Plan\040122-91.dwg Figure 10.1 (11 x 17) || Coordinate System: NAD 1927 State Plane Washington North FIPS 4601 Feet || Date Saved: Jan 27, 2012 12:21pm || User: pbaker

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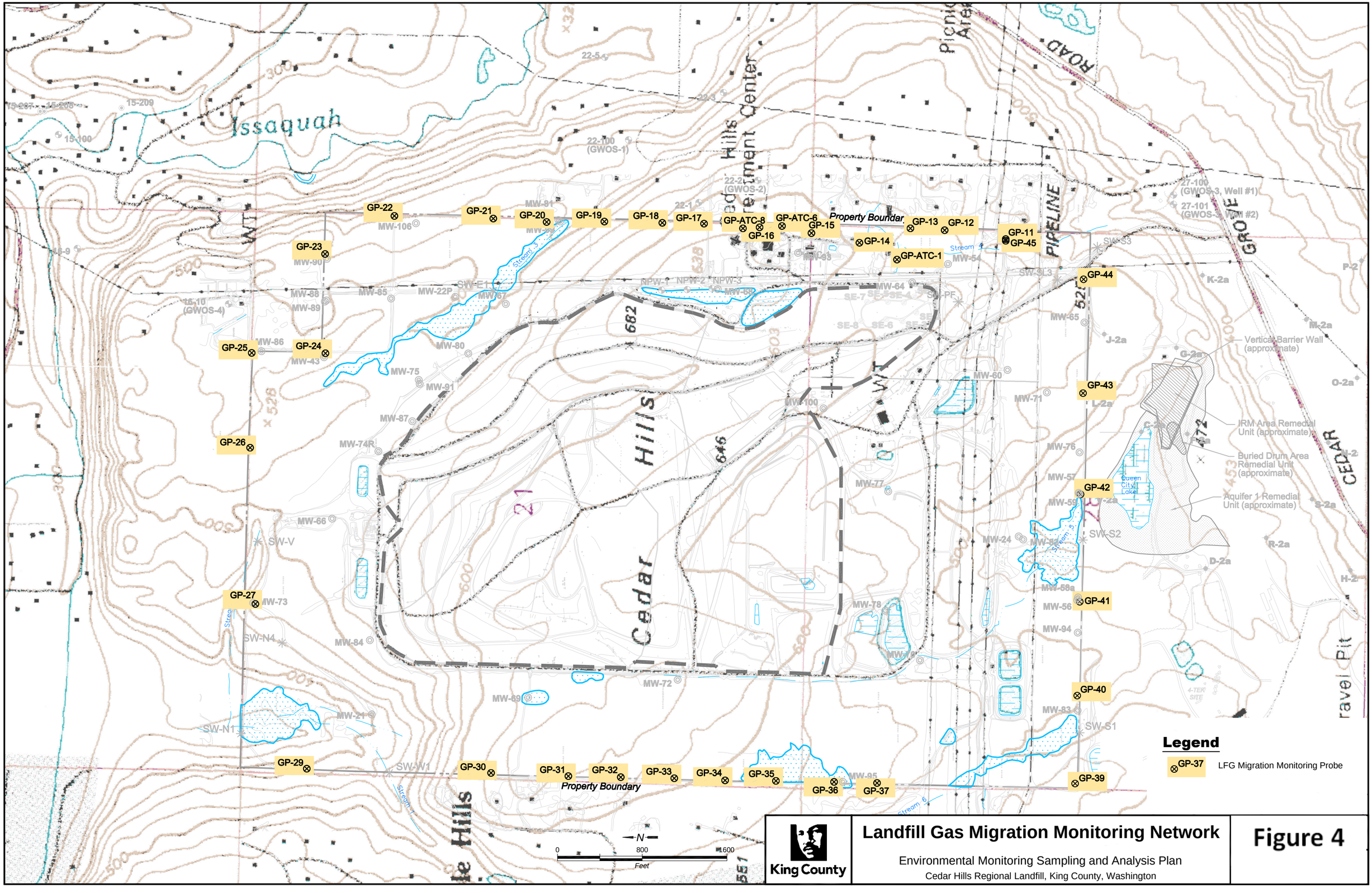

King County

Landfill Gas Migration Monitoring Network

Environmental Monitoring Sampling and Analysis Plan

Cedar Hills Regional Landfill, King County, Washington

Figure 4

CAD Path: Q:\Cedar Hills\2012-01 Environmental Analysis Plan\040122-111.dwg Site Gas Probes (11 x 17) || Coordinate System: NAD 1927 State Plane Washington North FIPS 4601 Feet || Date Saved: Nov 26, 2013 3:17pm || User: scudd

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Table 1
CEDAR HILLS REGIONAL LANDFILL: GROUNDWATER MONITORING WELLS

Well Name	General Condition				Recommendations				
	Well Diameter (inches)	Well Depth (feet)	Installation Date	Water Table or Deep Zone	Well Monitoring Classification	Comments on Well Use	Static Water Level Monitoring Frequency	Water Quality Monitoring Frequency	Rationale
MW-21 (Upgradient)	6	163	5/17/83	Deep	Detection	Background	Quarterly	Semi-annual	Monitors background conditions of deep aquifer.
MW-22P (Downgradient)	2	284	5/25/83	Deep	Detection	WL only	Quarterly	None	Not effectively located for facilities or background monitoring.
MW-24 (Upgradient)	6	192	6/2/83	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in deep upgradient well. Monitor SWLs to define deeper Regional Aquifer flow paths.
MW 43 (Downgradient)	5	325	30/4/85	Deep	Detection	WL only	Quarterly	None	
MW-54 (Upgradient)	2	351	9/26/86	Deep	Detection	WL only	Quarterly	None	Not effectively located for facilities monitoring as it lies up gradient of the CHRLF facilities. Upgradient water quality monitored in other wells.
MW-56 (Upgradient)	2	166	10/12/88	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in upgradient well. Low groundwater velocities indicate slow movement of QCF contaminants through this area.
MW-57 (Upgradient)	2	144	8/22/88	Deep	Detection	WL only	Quarterly	None	Monitoring redundant with MW-59. Strong downward vertical gradients indicate impacts at MW-57 would also be detected at MW-59.
MW-58A (Upgradient)	2	219	9/26/88	Deep	Detection	WL only	Quarterly	None	Monitoring redundant with MW-56. Strong downward vertical gradients indicate impacts at MW-58A would also be detected at MW-56.
MW-59 (Upgradient)	2	180.5	8/16/88	Deep	Detection	Background	Quarterly	Quarterly	Quarterly monitoring of QCF impacts in upgradient well.
MW-60 (Upgradient)	2.5	240	9/13/91	Water Table	Detection	WL only	Quarterly	None	Upgradient flow from QCF in shallow Regional Aquifer characterized by MW-65 and MW-76. Downgradient area monitored by MW-100.
MW-64 (Upgradient)	2.5	274	3/22/93	Water Table	Detection		Quarterly	Semi-annual	Adjacent to SE Pit. Conversion from quarterly to semiannual sampling does not have significant effect on intrawell statistics.
MW-65 (Upgradient)	2.5	234	3/29/93	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in upgradient well. Monitor SWLs to define deeper Regional Aquifer flow paths.
MW-66 (Upgradient)	2.5	248	4/5/93	Water Table	Detection		Quarterly	Quarterly	Monitor north end leachate detention facilities.
MW-67 (Downgradient)	2.5	230	4/28/93	Water Table	Detection		Quarterly	Semi-annual	Monitors potential EPZ contaminants infiltrating into Regional Aquifer.
MW-68 (Cross-Gradient/ Downgradient)	2.5	353	4/15/93	Water Table	Detection		Quarterly	Quarterly	Well is completed adjacent to unlined Main Hill where downward flow from Main Hill and impacted EPZ would be captured. Monitors Main Hill gas effected area.
MW-69 (Downgradient)	2.5	371	4/23/93	Water Table	Detection		Quarterly	Quarterly	West side flow converges in this area and well is upgradient of key downgradient wells.
MW-72 (Downgradient)	2.5	376	8/7/98	Water Table	Detection		Quarterly	Quarterly	Key water quality monitoring well for southwest landfill area.
MW-73 (Upgradient)	4	206	9/3/99	Water Table	Detection	Background	Quarterly	Semi-annual	Background water quality monitoring for northwest facility area. Downgradient flow paths from well largely by-pass facility so provides only general indication of background conditions.
MW-74R (Downgradient)	4	249	11/1/00	Water Table	Detection		Quarterly	Quarterly	Detection zone monitors north end facilities. Quarterly monitoring recommended due to elevated chloride.
MW-75 (Downgradient)	4	269	9/24/99	Deep	Detection		Quarterly	Quarterly	Key downgradient monitoring well.
MW-76 (Upgradient)	4	148	10/25/99	Water Table	Detection	Background	Quarterly	Semi-annual	Monitor QCF impacts effecting upgradient water quality in shallow portion of Regional Aquifer. Low groundwater velocities (0.014 ft/day) indicate slow movement of QCF contaminants through this area. Travel distance for 180 days is estimated at 2.5 ft indicating any releases would be detected with 6
MW-80 (Downgradient)	4	259	2/27/01	Water Table	Detection		Quarterly	Quarterly	Key downgradient monitoring well for monitoring impacts from unlined Main Hill and EPZ.
MW-81 (Upgradient)	4	192	10/3/02	Water Table	Detection		Quarterly	Quarterly	Monitors GW quality from off-site area east of facility. Retain as monitoring point for potential LFG impacts to GW. Key well for defining potentiometric divide on east side.
MW-82 (Upgradient)	4	133	11/2/00	Water Table	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in shallow Regional upgradient well. Low groundwater velocities indicate slow movement of QCF contaminants through this area.
MW-83 (Upgradient)	4	154	10/27/00	Water Table	Detection	Background	Quarterly	Quarterly	Quarterly monitoring of QCF impacts in shallow Regional upgradient well.
MW-84 (Upgradient)	4	246	10/20/00	Water Table	Detection	Background	Quarterly	Quarterly	Monitor background conditions in shallow regional aquifer
MW-85 (Downgradient)	4	257	12/1/00	Water Table	Detection		Quarterly	Quarterly	Key downgradient monitoring well with large detection zone underlying waste placement areas. Located in area of convergent GW flow and near center of high transmissivity channel.
MW-86 (Downgradient)	4	259	12/12/00	Water Table	Detection		Quarterly	Semi-annual	Provides monitoring of north end facilities. Conversion from quarterly to semiannual sampling does not have significant effect on intrawell statistics.

Table 1
CEDAR HILLS REGIONAL LANDFILL: GROUNDWATER MONITORING WELLS

Well Name	General Condition				Recommendations				
	Well Diameter (inches)	Well Depth (feet)	Installation Date	Water Table or Deep Zone	Well Monitoring Classification	Comments on Well Use	Static Water Level Monitoring Frequency	Water Quality Monitoring Frequency	Rationale
MW-87 (Downgradient)	4	261	11/21/00	Water Table	Detection		Quarterly	Quarterly	Key downgradient monitoring well.
MW-88 (Downgradient)	4	239	9/13/01	Water Table	Detection		Quarterly	Semi-annual	Provides limited monitoring of north end facilities. Conversion from quarterly to semiannual sampling does not have significant effect on intrawell statistics.
MW-89 (Downgradient)	4	291	11/12/01	Deep	Detection		Quarterly	Semi-annual	Provides limited monitoring of north end facilities in deep Regional Aquifer. Continue monitoring in place of MW-43.
MW-90 (Downgradient)	4	274	8/14/02	Deep	Assessment		Quarterly	Contingent	Water quality monitoring redundant with MW-89. Reserve as contingency well in event assessment monitoring is triggered in MW-88,89 or 85.
MW-91 (Downgradient)	6	289	10/26/01	Deep	Detection	WL only	Quarterly	None	Large diameter well used for testing. Redundant with well MW-75.
MW-93 (Cross Gradient)	4	320	6/24/02	Water Table	Detection		Quarterly	Quarterly	Well monitors the Main Hill gas affected area.
MW-94 (Upgradient)	4	145	7/2/02	Water Table	Detection	Background	Quarterly	Quarterly	Quarterly monitoring of QCF impacts in shallow Regional upgradient well.
MW-95 (Cross Gradient)	4	263	7/22/02	Water Table	Detection		Quarterly	Semi-annual	Monitor off-site water quality at southwest end of facility. Downgradient flow paths poorly defined and may by-pass facility.
MW-99 (Upgradient)	4	279	8/30/02	Deep	Assessment		Quarterly	Contingent	Monitors easterly upgradient water quality from offsite. Reserve as contingency well in event assessment monitoring is triggered in MW-81.
MW-100 (Downgradient)	4	300	8/26/02	Water Table	Detection		Quarterly	Semi-annual	Well useful for flowpath and geochemical modeling. Assists in tracking QCF contaminant migration through facility.
MW-106 (Cross gradient)	4	203	2/19/09	Water Table	Detection	WL only	Quarterly	None	Defines east side flow paths.
MW-113 (Upgradient)	4	220	4/03/20	Water Table	Detection		Quarterly	Quarterly	New monitoring well as of 2nd quarter 2020
MW-114 Upgradient)	4	150	4/10/20	Water Table	Detection	Background	Quarterly	Quarterly	New monitoring well as of 2nd quarter 2020
MW-115 (Upgradient)	4	145	4/14/20	Water Table	Detection	Background	Quarterly	Quarterly	New monitoring well as of 2nd quarter 2020
NPW1	8	382	8/221990	Deep	Non-Potable	WL only	Quarterly	None	Well provides non potable water to the fire supression tank on-site
NPW3	6	376	6/51990	Deep	Non-Potable	WL only	Quarterly	None	Well provides non potable water to the fire supression tank on-site
East Main Hill Perched Zones									
EB-5	2	60	5/06/90	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
EB-5S	2	20	6/06/90	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
EB-6	2	30	11/28/90	EPZ	Assessment		Quarterly	Quarterly	Monitor water levels to evaluate affect of extraction system shut down. Well has limited water yield limiting ability to collect samples.
EW-25	6	36	6/10/92	EPZ	Assessment		Quarterly	Quarterly	Key EPZ compliance well. Temporary monitoring point sampled with passive diffusion sampler. Decommissioned 2nd quarter of 2018.
MW 25	3	43	3/6/83	EPZ	Assessment	WL only	Quarterly	None	
MW 27A	2	80	3/10/85	EPZ	Assessment	WL only	Quarterly	None	
MW 28	3	39	21/6/83	EPZ	Assessment	WL only	Quarterly	None	
MW 29	3	60	23/6/83	EPZ	Assessment	WL only	Quarterly	None	
MW-30A	3	35	6/09/89	EPZ	Assessment		Quarterly	Quarterly	Monitor attenuating VOCs.
MW-41S	3	51	12/7/83	EPZ	Assessment	WL only	Quarterly	None	
MW-41D	3	51	12/7/83	EPZ	Assessment		Quarterly		
MW 45	2	64	5/17/1985	EPZ	Assessment	WL only	Quarterly	None	
MW-47	2	44	5/31/85	EPZ	Assessment		Quarterly	Quarterly	Key EPZ compliance well.
MW 48	2	63	24/5/85	EPZ	Assessment	WL only	Quarterly	None	

Table 1
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Well Name	General Condition				Recommendations				
	Well Diameter (inches)	Well Depth (feet)	Installation Date	Water Table or Deep Zone	Well Monitoring Classification	Comments on Well Use	Static Water Level Monitoring Frequency	Water Quality Monitoring Frequency	Rationale
MW-50	2	40	6/03/85	EPZ	Assessment		Quarterly	Quarterly	
MW 55	2	67	10/02/86	EPZ	Assessment	WL only	Quarterly	None	
MW-62	2	54	1/02/90	EPZ	Assessment		Quarterly	Quarterly	Monitor attenuating VOCs.
MW-63	2	17	12/02/90	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
MW 79	2	56	11/05/99	EPZ	Assessment	WL only	Quarterly		THIS WELL IS BROKEN; needs to be fixed. No statics are taken since it is still broken.
MW 98	2	23	3/09/01	EPZ	Assessment	WL only	Quarterly	None	
MW-102	2	50	1/27/09	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-103	2	35	1/28/09	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-104	2	32	1/29/09	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-107	2	39	6/07/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-108	2	17	6/08/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-109	2	13	6/09/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-110	2	19	6/11/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-111	2	14	6/11/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-112	2	17	6/11/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
South Solid Waste Area Perched Zone									
MW-101	2	54	6/2/06	SSWA	Assessment		Quarterly	Quarterly	Key SSWA perched zone compliance well
MW 105	2	30	1/30/09	EPZ	Assessment	Conductance only	Quarterly	Quarterly	Well located near leachate lagoons; FE measures conductance every quarter on this well as a check of the leachate lagoons

Notes:
(1) The following wells were decommissioned: MW-70, MW-77, MW-78, MW-96, MW-97, and EW-25 as of 2019.
(2) Shallow wells are wells completed in the Regional Aquifer with the top screen slot within 10 ft of the water table. Deep wells are completed in the Regional Aquifer with the top screen slot greater than 10 ft below the water table.
(3) Water quality monitoring shading relates to Figure 2.
Abbreviations:
WL = Water Level
NA = Not Applicable
DZ = Detection Zone EPZ = East Perched Zone
SSWA = South Solid Waste Area QCF = Queen City Farms

TABLE 2
CEDAR HILLS REGIONAL LANDFILL:
GROUNDWATER MONITORING ACTIVITIES 2ND QUARTER 2020

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
Static Water Levels	NA	4/2/20	Groundwater Elevation Measurement	--	North half of landfill.
Static Water Levels	NA	4/2/20	Groundwater Elevation Measurement	--	South half of landfill.
MW-21	Regional	4/2/2020	Groundwater Elevation Measurement	W21-200513-	
MW-21	Regional	5/13/2020	Semi-annual Groundwater Sampling	W21-200513-	
MW-22	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-24	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-24	Regional	4/30/2020	Semi-annual Groundwater Sampling	W24-200430-	
MW-25	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-27A	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-28	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-29	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-30A	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-30A	Perched	4/8/2020	Quarterly Groundwater Sampling	W30A200408-	
MW-41D	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-41S	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-43	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-45	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-47	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-47	Perched	4/8/2020	Quarterly Groundwater Sampling	W47-200408-	
MW-48	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-50	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-50	Perched	4/21/2020	Quarterly Groundwater Sampling	W50-200421-	
MW-54	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-55	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-56	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-56	Regional	5/4/2020	Semi-annual Groundwater Sampling	W56-200504-	
MW-57	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-58A	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-59	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-59	Regional	5/4/2020	Quarterly Groundwater Sampling	W59-200504-	
MW-60	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-62	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-62	Perched	5/11/2020	Quarterly Groundwater Sampling	W62-200511-	
MW-63	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-64	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-64	Regional	5/12/2020	Semi-annual Groundwater Sampling	W64-200512-	
MW-65	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-65	Regional	5/11/2020	Semi-annual Groundwater Sampling	W65-200511-	
MW-66	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-66	Regional	4/29/2020	Quarterly Groundwater Sampling	W66-200429-	
MW-67	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-67	Regional	5/11/2020	Semi-annual Groundwater Sampling	W67-200511-	
MW-67	Regional	5/11/2020	QA/QC Sample	W67-200511D	Field Duplicate
MW-68	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-68	Regional	4/9/2020	Quarterly Groundwater Sampling	W68-200409-	
MW-69	Regional	4/2/2020	Groundwater Elevation Measurement	NA	Damaged - no measurement taken
MW-72	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-72	Regional	4/30/2020	Quarterly Groundwater Sampling	W72-200430-	
MW-73	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-73	Regional	4/29/2020	Semi-annual Groundwater Sampling	W73-200429-	
MW-74R	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-74R	Regional	5/12/2020	Quarterly Groundwater Sampling	W74R200512-	
MW-75	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-75	Regional	5/12/2020	Quarterly Groundwater Sampling	W75-200512-	
MW-76	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-76	Regional	5/12/2020	Semi-annual Groundwater Sampling	W76-200512-	
MW-79	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-80	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-80	Regional	4/9/2020	Quarterly Groundwater Sampling	W80-200409-	
MW-81	Regional	4/2/2020	Groundwater Elevation Measurement	NA	

TABLE 2
CEDAR HILLS REGIONAL LANDFILL:
GROUNDWATER MONITORING ACTIVITIES 2ND QUARTER 2020

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
MW-81	Regional	5/12/2020	Quarterly Groundwater Sampling	W81-200512-	
MW-82	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-82	Regional	4/30/2020	Semi-annual Groundwater Sampling	W82-200430-	
MW-83	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-83	Regional	5/12/2020	Quarterly Groundwater Sampling	W83-200512-	
MW-84	Regional	4/2/2020	Groundwater Elevation Measurement	NA	Broken - no sample taken
MW-85	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-85	Regional	5/14/2020	Quarterly Groundwater Sampling	W85-200514-	
MW-86	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-86	Regional	5/13/2020	Semi-annual Groundwater Sampling	W86-200513-	
MW-87	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-87	Regional	5/12/2020	Quarterly Groundwater Sampling	W87-200512-	
MW-88	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-88	Regional	5/14/2020	Semi-annual Groundwater Sampling	W88-200514-	
MW-89	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-89	Regional	5/14/2020	Semi-annual Groundwater Sampling	W89-200514-	
MW-90	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-91	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-93	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-93	Regional	5/13/2020	Quarterly Groundwater Sampling	W93-200513-	
MW-94	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-94	Regional	5/12/2020	Quarterly Groundwater Sampling	W94-200512-	
MW-95	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-95	Regional	5/4/2020	Semi-annual Groundwater Sampling	W95-200504-	
MW-98	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-99	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-100	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-100	Regional	5/13/2020	Semi-annual Groundwater Sampling	W100200513-	
MW-101	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-101	Perched	5/13/2020	Quarterly Groundwater Sampling	W101200513-	
MW-102	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-102	Perched	4/16/2020	Quarterly Groundwater Sampling	W102200416-	
MW-103	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-103	Perched	5/5/2020	Quarterly Groundwater Sampling	W103200505-	
MW-104	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-105	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-106	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
MW-104	Perched	4/16/2020	Quarterly Groundwater Sampling	W104200416-	
MW-107	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-107	Perched	4/8/2020	Quarterly Groundwater Sampling	W107200408-	
MW-108	Perched	4/9/2020	Quarterly Groundwater Sampling	W108200409-	
MW-109	Perched	5/5/2020	Quarterly Groundwater Sampling	W109200505-	
MW-109	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-110	Perched	4/14/2020	Quarterly Groundwater Sampling	W110200414-	
MW-110	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-111	Perched	4/13/2020	Quarterly Groundwater Sampling	W111200413-	
MW-111	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-112	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-112	Perched	4/9/2020	Quarterly Groundwater Sampling	W112200409-	
MW-112	Perched	4/9/2020	QA/QC Sample	W112200409D	Field Duplicate
MW-EB5	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-EB5S	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-EB6	Perched	4/2/2020	Groundwater Elevation Measurement	NA	
MW-EB6	Perched	4/8/2020	Quarterly Groundwater Sampling	WB6-200408-	
WS-NPW-1	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
WS-NPW-3	Regional	4/2/2020	Groundwater Elevation Measurement	NA	
Field Blank		5/4/2020	QA/QC Sample	W56-200504F	
Field Blank		5/13/2020	QA/QC Sample	W101200513F	

Table 3
CEDAR HILLS REGIONAL LANDFILL:
REGIONAL AQUIFER GROUNDWATER QUALITY STANDARD EXCEEDANCES
(Data Collected from April 1, 2020 to June 30, 2020)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
Upgradient and Crossgradient Wells					
pH (Field)	pH Units	MW-76	5/12/2020	W76-200512-	6.43
Arsenic, Total	mg/L	MW-21	5/13/2020	W21-200513-	0.000893
		MW-24	4/30/2020	W24-200430-	0.000613
		MW-56	5/4/2020	W56-200504-	0.0000807
		MW-59	5/4/2020	W59-200504-	0.000423
		MW-64	5/12/2020	W64-200512-	0.00127
		MW-65	5/11/2020	W65-200511-	0.000784
		MW-66	4/29/2020	W66-200429-	0.000698
		MW-73	4/29/2020	W73-200429-	0.000711
		MW-68	4/9/2020	W68-200409-	0.0324
		MW-76	5/12/2020	W76-200512-	0.000215
		MW-95	5/4/2020	W95-200504-	0.00102
		MW-81	5/12/2020	W81-200512-	0.000528
		MW-82	4/30/2020	W82-200430-	0.00028
		MW-93	5/13/2020	W93-200513-	0.00134
		MW-83	5/12/2020	W83-200512-	0.00031
		MW-94	5/12/2020	W94-200512-	0.000135
Iron, Dissolved	mg/L	MW-21	5/13/2020	W21-200513-	1.97
		MW-24	4/30/2020	W24-200430-	3.05
		MW-59	5/4/2020	W59-200504-	4.14
		MW-65	5/11/2020	W65-200511-	3.36
		MW-68	4/9/2020	W68-200409-	0.597
Manganese, Dissolved	mg/L	MW-21	5/13/2020	W21-200513-	0.114
		MW-24	4/30/2020	W24-200430-	0.0978
		MW-56	5/4/2020	W56-200504-	0.0905
		MW-59	5/4/2020	W59-200504-	0.126
		MW-65	5/11/2020	W65-200511-	0.191
		MW-68	4/9/2020	W68-200409-	0.304
		MW-83	5/12/2020	W83-200512-	0.118
		MW-93	5/13/2020	W93-200513-	0.188
		MW-95	5/4/2020	W95-200504-	0.168
Trichloroethene	µg/L	MW-76	5/12/2020	W76-200512-	7.42
		MW-82	4/30/2020	W82-200430-	4.82
Vinyl Chloride	µg/L	MW-65	5/11/2020	W65-200511-	0.0468

Table 3
CEDAR HILLS REGIONAL LANDFILL:
REGIONAL AQUIFER GROUNDWATER QUALITY STANDARD EXCEEDANCES
(Data Collected from April 1, 2020 to June 30, 2020)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
Downgradient Wells					
Arsenic, Total	mg/L	MW-100	5/13/2020	W100200513-	0.0165
		MW-67	5/11/2020	W67-200511-	0.00386
		MW-72	4/30/2020	W72-200430-	0.000153
		MW-74R	5/12/2020	W74R200512-	0.000383
		MW-75	5/12/2020	W75-200512-	0.000456
		MW-80	4/9/2020	W80-200409-	0.0037
		MW-85	5/14/2020	W85-200514-	0.000695
		MW-86	5/13/2020	W86-200513-	0.00685
		MW-87	5/12/2020	W87-200512-	0.000718
		MW-88	5/14/2020	W88-200514-	0.00101
		MW-89	5/14/2020	W89-200514-	0.0024
Iron, Dissolved	mg/L	MW-100	5/13/2020	W100200513-	0.756
		MW-67	5/11/2020	W67-200511-	0.785
		MW-72	4/30/2020	W72-200430-	3.08
		MW-75	5/12/2020	W75-200512-	2.52
		MW-80	4/9/2020	W80-200409-	2.18
		MW-86	5/13/2020	W86-200513-	0.717
		MW-87	5/12/2020	W87-200512-	4.62
		MW-89	5/14/2020	W89-200514-	1.22
Manganese, Dissolved	mg/L	MW-100	5/13/2020	W100200513-	0.132
		MW-67	5/11/2020	W67-200511-	0.38
		MW-72	4/30/2020	W72-200430-	0.378
		MW-75	5/12/2020	W75-200512-	0.217
		MW-80	4/9/2020	W80-200409-	0.342
		MW-87	5/12/2020	W87-200512-	0.553
		MW-89	5/14/2020	W89-200514-	0.28
See Data Qualifier List for Qualifier Information.					

Exceedance Criteria: WAC 173-200-040 - Water Quality Standards for Groundwaters of the State of Washington

Table 4 Ion Balance Calculations.
Cedar Hills Regional Landfill Quarterly and Semi-annual Regional Aquifer Groundwater Monitoring
(Data Collected from April 1, 2020 to June 30, 2020)

Site ID			Upgradient and Crossgradient															
			MW-21			MW-24			MW-56			MW-59			MW-64			MW-65	
			5/13/2020			4/30/2020			5/4/2020			5/4/2020			5/12/2020			5/11/2020	
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			8.0			7.0			6.6			7.0			7.1			7.7		
Conductance			146			167			205			193			225			139		
TDSobs			95			113			141			133			166			97		
Calcium	40.1	2	12.5	0.623752	40.0	14.8	0.738523	38.7	22.9	1.142715	50.6	17.3	0.863273	39.0	19.9	0.993014	37.8	11.6	0.578842	38.1
Magnesium	24.3	2	6.9	0.565316	36.2	9.4	0.773503	40.5	9.8	0.80971	35.9	10.7	0.880477	39.8	15.0	1.234314	47.0	6.8	0.55791	36.7
Potassium	39.1	1	1.1	0.028646	1.8	1.0	0.025295	1.3	1.1	0.02839	1.3	1.1	0.028902	1.3	1.7	0.044503	1.7	0.9	0.023684	1.6
Sodium	23.0	1	6.1	0.264465	16.9	5.9	0.256201	13.4	6.3	0.27186	12.0	6.6	0.287084	13.0	8.1	0.352766	13.4	5.3	0.230537	15.2
Iron	55.8	2	1.97	0.07055	4.5	3.05	0.109227	5.7	0.01	0.000383	0.0	4.14	0.148262	6.7	0.02	0.000756	0.0	3.36	0.120329	7.9
Manganese	54.9	2	0.11	0.00415	0.3	0.10	0.00356	0.2	0.09	0.003295	0.1	0.13	0.004587	0.2	0.04	0.00146	0.1	0.19	0.006953	0.5
Ammonia-N	14.0	1	0.06	0.003948	0.3	0.03	0.00227	0.1	0.00	0.000143	0.0	0.01	0.000414	0.0	0.02	0.001528	0.1	0.01	0.000386	0.0
Total Cations (meq/L)				**1.6**			**1.9**			**2.3**			**2.2**			**2.6**			**1.5**	
Anions																				
Alkalinity, Total			60			67			68			68			102			50		
Carbonate	60.0	2	0.39072	0.013024	0.9	0.04119	0.001373	0.1	0.0167	0.000557	0.0	0.04297	0.001432	0.1	0.07199	0.0024	0.1	0.13479	0.004493	0.3
Bicarbonate	61.0	1	72.28	1.184797	85.1	81.66	1.338425	76.2	83.17	1.363238	64.8	83.24	1.364362	70.2	124.29	2.037293	81.6	61.21	1.003356	76.0
Chloride	35.5	1	2.2	0.062618	4.5	4.9	0.137083	7.8	17.9	0.504894	24.0	9.7	0.27332	14.1	2.7	0.076157	3.1	4.7	0.13116	9.9
Nitrate-N	14.0	1	0.01	0.000714	0.1	0.01	0.000714	0.0	1.01	0.072107	3.4	0.01	0.000714	0.0	0.01	0.000928	0.0	0.01	0.000714	0.1
Sulfate	96.1	2	6.3	0.13138	9.4	13.4	0.278999	15.9	7.9	0.164068	7.8	14.6	0.303984	15.6	18.2	0.378939	15.2	8.7	0.180933	13.7
Total Anions (meq/L)				**1.4**			**1.8**			**2.1**			**1.9**			**2.5**			**1.3**	
Total Ions (meq/L)				**3.0**			**3.7**			**4.4**			**4.2**			**5.1**			**2.8**	
Cation/Anion Ratio				**1.12**			**1.09**			**1.07**			**1.14**			**1.05**			**1.15**	
Percent Difference				**5.7**			**4.1**			**3.5**			**6.5**			**2.6**			**7.0**	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)				1.48			1.79			2.25			2.06			2.62			1.39	
Calcium					42.08			41.18			50.73			41.91			37.83			41.61
Magnesium					38.14			43.13			35.94			42.75			47.03			40.11
Sodium + Potassium					19.78			15.70			13.33			15.34			15.14			18.28
														100.0						
sum (SO_4, Cl, HCO_3+CO_3)				1.39			1.76			2.03			1.94			2.49			1.32	
Sulfate					9.439			15.889			8.071			15.644			15.189			13.708
Chloride					4.499			7.807			24.838			14.066			3.053			9.937
Bicarbonate + Carbonate					86.062			76.304			67.091			70.290			81.758			76.356
														100.0						

Table 4 Ion Balance Calculations.
Cedar Hills Regional Landfill Quarterly and Semi-annual Regional Aquifer Groundwater Monitoring
(Data Collected from April 1, 2020 to June 30, 2020)

				Upgradient and Crossgradient																	
Site ID				**MW-66**			**MW-73**			**MW-76**			**MW-81**			**MW-82**			**MW-83**		
				4/29/2020			4/29/2020			5/12/2020			5/12/2020			4/30/2020			5/12/2020		
Cations	MW	n		mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH				6.9			6.7			6.4			7.2			6.8			6.8		
Conductance				199			125			279			149			286			582		
TDSobs				139			99			182			121			199			371		
Calcium	40.1	2		17.2	0.858283	36.8	12.6	0.62874	43.4	26.4	1.317365	45.7	14.2	0.708583	43.3	30.3	1.511976	44.8	62.5	3.118762	52.0
Magnesium	24.3	2		13.5	1.110883	47.6	6.5	0.53405	36.9	12.1	0.99568	34.5	7.5	0.61798	37.8	17.5	1.440033	42.7	27.5	2.262909	37.7
Potassium	39.1	1		1.2	0.029413	1.3	0.8	0.02084	1.4	1.7	0.042201	1.5	0.9	0.022047	1.3	1.9	0.047828	1.4	3.3	0.083891	1.4
Sodium	23.0	1		7.7	0.335802	14.4	6.1	0.26316	18.2	12.1	0.526321	18.3	6.6	0.286649	17.5	8.5	0.37147	11.0	12.2	0.530671	8.8
Iron	55.8	2		0.01	0.000358	0.0	0.01	0.00036	0.0	0.01	0.000358	0.0	0.01	0.000358	0.0	0.04	0.001253	0.0	0.01	0.000358	0.0
Manganese	54.9	2		0.00	3.64E-06	0.0	0.00	3.6E-06	0.0	0.00	3.64E-06	0.0	0.00	1.11E-05	0.0	0.00	2.74E-05	0.0	0.12	0.004296	0.1
Ammonia-N	14.0	1		0.00	0.000143	0.0	0.00	0.00014	0.0	0.00	0.000143	0.0	0.00	0.000143	0.0	0.00	0.000143	0.0	0.00	0.000157	0.0
Total Cations (meq/L)					**2.3**			**1.4**			**2.9**			**1.6**			**3.4**			**6.0**	
Anions																					
Alkalinity, Total				86			51			88			56			122			181		
Carbonate	60.0	2		0.04522	0.001507	0.1	0.01612	0.00054	0.0	0.01421	0.000474	0.0	0.04965	0.001655	0.1	0.04957	0.001652	0.1	0.06261	0.002087	0.0
Bicarbonate	61.0	1		105.32	1.726232	80.6	62.31	1.02131	77.1	107.09	1.755262	66.3	68.10	1.116177	70.9	148.74	2.43798	77.6	220.69	3.617368	64.2
Chloride	35.5	1		4.1	0.11621	5.4	2.2	0.0629	4.7	21.3	0.600795	22.7	4.9	0.139057	8.8	11.4	0.321552	10.2	61.8	1.743153	31.0
Nitrate-N	14.0	1		0.41	0.028914	1.4	1.13	0.08067	6.1	0.21	0.014921	0.6	1.56	0.111373	7.1	0.82	0.058614	1.9	0.68	0.048619	0.9
Sulfate	96.1	2		12.9	0.268589	12.5	7.6	0.15886	12.0	13.3	0.276917	10.5	9.9	0.205293	13.0	15.4	0.320641	10.2	10.6	0.220701	3.9
Total Anions (meq/L)					**2.1**			**1.3**			**2.6**			**1.6**			**3.1**			**5.6**	
Total Ions (meq/L)					**4.5**			**2.8**			**5.5**			**3.2**			**6.5**			**11.6**	
Cation/Anion Ratio					**1.09**			**1.09**			**1.09**			**1.04**			**1.07**			**1.07**	
Percent Difference					**4.3**			**4.4**			**4.2**			**1.9**			**3.6**			**3.2**	
Trilinear Diagram Data																					
sum (Ca, Mg, Na+K)					2.33			1.45			2.88			1.64			3.37			6.00	
Calcium						36.77			43.46			45.72			43.33			44.85			52.01
Magnesium						47.59			36.91			34.55			37.79			42.71			37.74
Sodium + Potassium						15.65			19.63			19.73			18.88			12.44			10.25
												100.0									100.0
sum (SO_4, Cl, HCO_3+CO_3)					2.11			1.24			2.63			1.46			3.08			5.58	
Sulfate						12.714			12.774			10.515			14.040			10.404			3.953
Chloride						5.501			5.058			22.814			9.510			10.434			31.221
Bicarbonate + Carbonate						81.785			82.168			66.671			76.450			79.162			64.826
												100.0									

Table 4 Ion Balance Calculations.
Cedar Hills Regional Landfill Quarterly and Semi-annual Regional Aquifer Groundwater Monitoring
(Data Collected from April 1, 2020 to June 30, 2020)

			Upgradient and Crossgradient								
Site ID			**MW-93**			**MW-94**			**MW-95**		
			5/13/2020			5/12/2020			5/4/2020		
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			7.1			6.6			7.1		
Conductance			327			333			209		
TDSobs			216			221			147		
Calcium	40.1	2	32.8	1.636727	46.9	36.1	1.801397	51.0	22.4	1.11776447	46.5
Magnesium	24.3	2	16.8	1.382432	39.6	15.6	1.283686	36.4	11.7	0.96276486	40.0
Potassium	39.1	1	1.6	0.040667	1.2	2.6	0.065732	1.9	1.2	0.03145917	1.3
Sodium	23.0	1	9.7	0.421927	12.1	8.7	0.378864	10.7	6.6	0.28534431	11.9
Iron	55.8	2	0.01	0.000358	0.0	0.01	0.000358	0.0	0.01	0.00035812	0.0
Manganese	54.9	2	0.19	0.006844	0.2	0.00	5.53E-06	0.0	0.17	0.00611599	0.3
Ammonia-N	14.0	1	0.06	0.004119	0.1	0.00	0.000143	0.0	0.03	0.00182766	0.1
Total Cations (meq/L)				**3.5**			**3.5**			**2.4**	
Anions											
Alkalinity, Total			120			120			90		
Carbonate	60.0	2	0.09949	0.003316	0.1	0.03149	0.00105	0.0	0.07436579	0.00247889	0.1
Bicarbonate	61.0	1	146.20	2.396322	72.7	146.34	2.398589	74.4	109.28	1.79125098	78.4
Chloride	35.5	1	2.8	0.077567	2.4	21.4	0.603616	18.7	6.1	0.17290497	7.6
Nitrate-N	14.0	1	0.01	0.000928	0.0	0.61	0.043835	1.4	0.01	0.00071393	0.0
Sulfate	96.1	2	39.2	0.816177	24.8	8.4	0.175728	5.5	15.2	0.31647678	13.9
Total Anions (meq/L)				**3.3**			**3.2**			**2.3**	
Total Ions (meq/L)				**6.8**			**6.8**			**4.7**	
Cation/Anion Ratio				**1.06**			**1.10**			**1.05**	
Percent Difference				**2.9**			**4.6**			**2.6**	
Trilinear Diagram Data											
sum (Ca, Mg, Na+K)				3.48			3.53			2.40	
Calcium					47.01			51.04			46.63
Magnesium					39.71			36.37			40.16
Sodium + Potassium					13.29			12.60			13.21
					100.0						
sum (SO_4, Cl, HCO_3+CO_3)				3.29			3.18			2.28	
Sulfate					24.782			5.528			13.862
Chloride					2.355			18.988			7.573
Bicarbonate + Carbonate					72.862			75.484			78.565

Table 4 Ion Balance Calculations.
Cedar Hills Regional Landfill Quarterly and Semi-annual Regional Aquifer Groundwater Monitoring
(Data Collected from April 1, 2020 to June 30, 2020)

Site ID			Downgradient to Waste Cells and North End Facilities															
			MW-68			MW-67			MW-72			MW-74			MW-75			MW-80		
			4/9/2020			5/11/2020			4/30/2020			5/12/2020			5/12/2020			4/9/2020		
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			6.8			6.9			6.9			6.9			6.8			6.9		
Conductance			262			345			323			510			351			299		
TDSobs			185			245			218			343			256			199		
Calcium	40.1	2	26.6	1.327345	44.6	36.9	1.841317	45.2	32.8	1.636727	43.0	49.8	2.48503	40.9	32.8	1.636727	40.1	31.4	1.566866	46.8
Magnesium	24.3	2	14.4	1.184941	39.9	20.9	1.719811	42.3	19.8	1.629294	42.8	36.2	2.978811	49.0	23.0	1.892615	46.4	15.8	1.300144	38.8
Potassium	39.1	1	1.7	0.042201	1.4	1.8	0.046038	1.1	1.9	0.049363	1.3	2.2	0.05678	0.9	2.0	0.052176	1.3	1.7	0.04348	1.3
Sodium	23.0	1	8.9	0.385389	13.0	9.7	0.419752	10.3	8.5	0.369295	9.7	12.7	0.55242	9.1	9.2	0.399308	9.8	8.0	0.349286	10.4
Iron	55.8	2	0.60	0.02138	0.7	0.79	0.028113	0.7	3.08	0.110301	2.9	0.01	0.000358	0.0	2.52	0.090247	2.2	2.18	0.07807	2.3
Manganese	54.9	2	0.30	0.011067	0.4	0.38	0.013834	0.3	0.38	0.013761	0.4	0.00	3.64E-06	0.0	0.22	0.0079	0.2	0.34	0.01245	0.4
Ammonia-N	14.0	1	0.02	0.001128	0.0	0.01	0.000471	0.0	0.02	0.001199	0.0	0.00	0.000143	0.0	0.01	0.000643	0.0	0.01	0.000678	0.0
Total Cations (meq/L)				**3.0**			**4.1**			**3.8**			**6.1**			**4.1**			**3.4**	
Anions																				
Alkalinity, Total			123			162			127			219			111			116		
Carbonate	60.0	2	0.04558	0.00152	0.1	0.08097	0.002699	0.1	0.05924	0.001975	0.1	0.10454	0.003485	0.1	0.04114	0.001371	0.0	0.05798	0.001933	0.1
Bicarbonate	61.0	1	149.97	2.45811	86.4	197.48	3.236813	82.8	154.82	2.537642	72.1	266.97	4.375855	74.4	135.34	2.218294	58.8	141.40	2.317718	73.6
Chloride	35.5	1	3.0	0.084055	3.0	4.9	0.136801	3.5	6.8	0.191803	5.5	26.4	0.744648	12.7	11.0	0.31027	8.2	4.4	0.12298	3.9
Nitrate-N	14.0	1	0.01	0.000714	0.0	0.08	0.005354	0.1	0.01	0.000714	0.0	0.25	0.017705	0.3	0.01	0.000714	0.0	0.01	0.000714	0.0
Sulfate	96.1	2	14.4	0.29982	10.5	25.4	0.528849	13.5	37.8	0.787028	22.4	35.4	0.737058	12.5	59.8	1.245086	33.0	33.9	0.705827	22.4
Total Anions (meq/L)				**2.8**			**3.9**			**3.5**			**5.9**			**3.8**			**3.1**	
Total Ions (meq/L)				**5.8**			**8.0**			**7.3**			**12.0**			**7.9**			**6.5**	
Cation/Anion Ratio				**1.05**			**1.04**			**1.08**			**1.03**			**1.08**			**1.06**	
Percent Difference				**2.2**			**2.0**			**4.0**			**1.6**			**3.9**			**3.1**	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)				2.94			4.03			3.68			6.07			3.98			3.26	
Calcium					45.15			45.73			44.42			40.92			41.12			48.07
Magnesium					40.31			42.71			44.22			49.05			47.54			39.88
Sodium + Potassium					14.54			11.57			11.36			10.03			11.34			12.05
sum (SO_4, Cl, HCO_3+CO_3)				2.84			3.91			3.52			5.86			3.78			3.15	
Sulfate					10.544			13.542			22.369			12.576			32.982			22.418
Chloride					2.956			3.503			5.451			12.705			8.219			3.906
Bicarbonate + Carbonate					86.500			82.955			72.180			74.719			58.799			73.676

Table 4 Ion Balance Calculations.
Cedar Hills Regional Landfill Quarterly and Semi-annual Regional Aquifer Groundwater Monitoring
(Data Collected from April 1, 2020 to June 30, 2020)

			Downgradient to Waste Cells and North End Facilities																	
Site ID			**MW-85**			**MW-86**			**MW-87**			**MW-88**			**MW-89**			**MW-100**		
			5/14/2020			5/13/2020			5/12/2020			5/14/2020			5/14/2020			5/13/2020		
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			7.0			6.9			6.7			6.9			7.2			6.9		
Conductance			340			183			493			116			232			284		
TDSobs			233			126			382			92			167			180		
Calcium	40.1	2	34.7	1.731537	43.7	15.7	0.783433	38.2	47.9	2.39022	41.3	9.4	0.470559	35.6	19.0	0.948104	36.0	25.7	1.282435	43.1
Magnesium	24.3	2	21.3	1.752726	44.2	10.9	0.896935	43.7	32.3	2.657889	46.0	7.0	0.573545	43.4	13.8	1.135569	43.2	15.0	1.234314	41.5
Potassium	39.1	1	1.8	0.045015	1.1	1.3	0.032994	1.6	2.5	0.063941	1.1	0.9	0.021766	1.6	1.7	0.044247	1.7	1.7	0.043992	1.5
Sodium	23.0	1	10.0	0.434976	11.0	7.1	0.310573	15.1	11.1	0.482823	8.4	5.9	0.256636	19.4	10.3	0.448025	17.0	8.8	0.381039	12.8
Iron	55.8	2	0.01	0.000358	0.0	0.72	0.025677	1.3	4.62	0.165452	2.9	0.01	0.000358	0.0	1.22	0.043691	1.7	0.76	0.027074	0.9
Manganese	54.9	2	0.00	3.64E-06	0.0	0.02	0.000699	0.0	0.55	0.020132	0.3	0.00	3.64E-06	0.0	0.28	0.010193	0.4	0.13	0.004805	0.2
Ammonia-N	14.0	1	0.00	0.000143	0.0	0.00	0.000143	0.0	0.02	0.001221	0.0	0.00	0.000143	0.0	0.02	0.001364	0.1	0.01	0.000643	0.0
Total Cations (meq/L)				**4.0**			**2.1**			**5.8**			**1.3**			**2.6**			**3.0**	
Anions																				
Alkalinity, Total			141			70			107			51			86			121		
Carbonate	60.0	2	0.07907	0.002636	0.1	0.03332	0.001111	0.1	0.0315	0.00105	0.0	0.0237	0.00079	0.1	0.08414	0.002805	0.1	0.0591	0.00197	0.1
Bicarbonate	61.0	1	171.86	2.81694	74.2	85.09	1.394679	72.0	130.48	2.138627	40.1	61.93	1.015057	81.7	105.24	1.724935	70.2	147.50	2.417665	86.0
Chloride	35.5	1	10.5	0.296167	7.8	4.4	0.124672	6.4	14.3	0.403351	7.6	1.7	0.048797	3.9	12.8	0.361041	14.7	3.0	0.085465	3.0
Nitrate-N	14.0	1	0.10	0.007139	0.2	0.01	0.000928	0.0	0.01	0.000714	0.0	0.76	0.054116	4.4	0.01	0.000714	0.0	0.01	0.000714	0.0
Sulfate	96.1	2	32.3	0.672513	17.7	20.0	0.416417	21.5	134.0	2.789993	52.3	5.9	0.123676	10.0	17.7	0.368529	15.0	14.7	0.306066	10.9
Total Anions (meq/L)				**3.8**			**1.9**			**5.3**			**1.2**			**2.5**			**2.8**	
Total Ions (meq/L)				**7.8**			**4.0**			**11.1**			**2.6**			**5.1**			**5.8**	
Cation/Anion Ratio				**1.04**			**1.06**			**1.08**			**1.06**			**1.07**			**1.06**	
Percent Difference				**2.2**			**2.8**			**4.0**			**3.1**			**3.4**			**2.8**	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)				3.96			2.02			5.59			1.32			2.58			2.94	
Calcium					43.68			38.71			42.72			35.58			36.81			43.59
Magnesium					44.21			44.32			47.51			43.37			44.08			41.96
Sodium + Potassium					12.11			16.98			9.77			21.05			19.11			14.45
sum (SO_4, Cl, HCO_3+CO_3)				3.79			1.94			5.33			1.19			2.46			2.81	
Sulfate					17.753			21.499			52.315			10.408			14.997			10.888
Chloride					7.818			6.437			7.563			4.106			14.693			3.040
Bicarbonate + Carbonate					74.429			72.064			40.121			85.486			70.310			86.072

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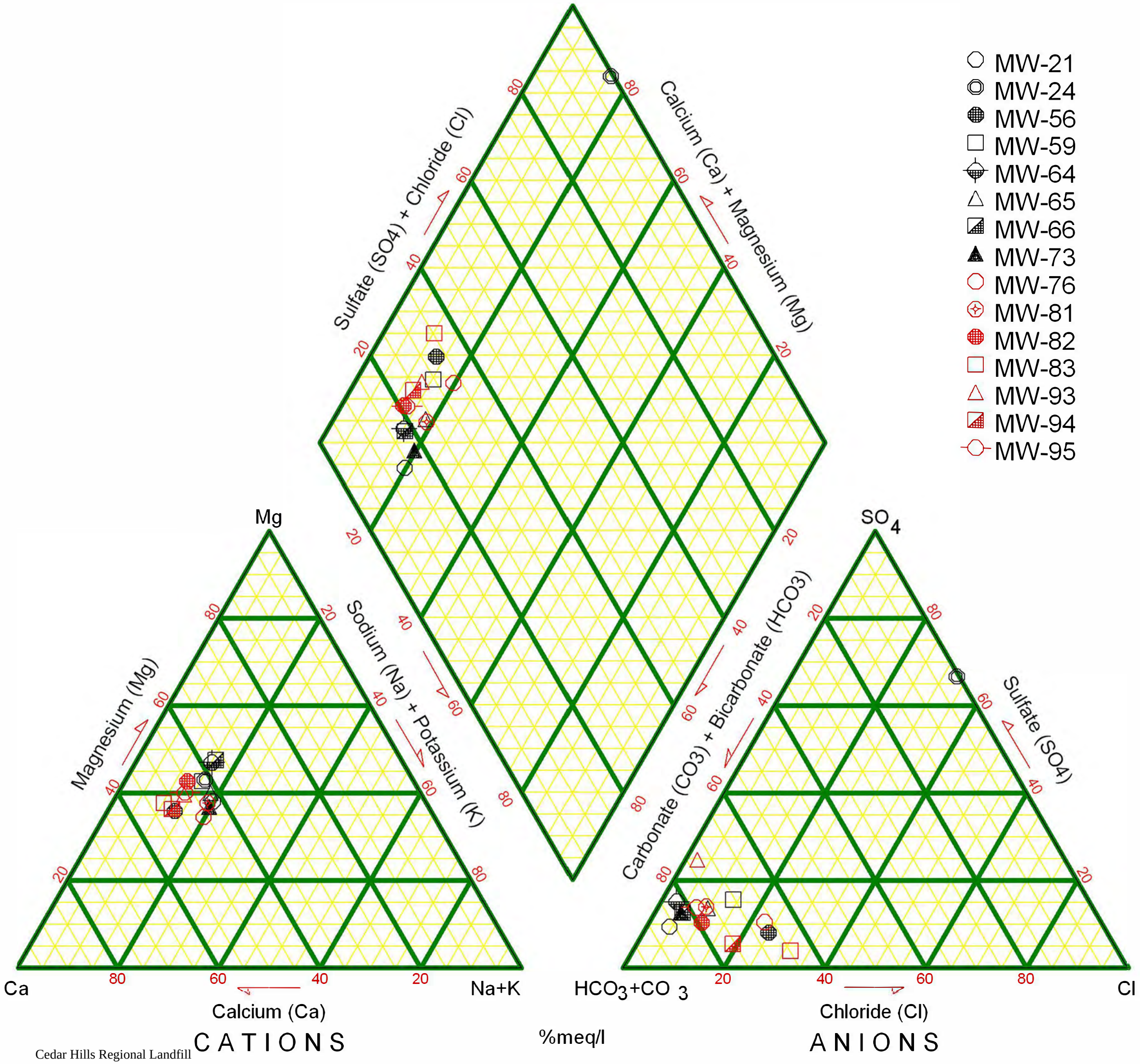
Cedar Hills Regional Landfill

Figure 5. Trilinear Diagram Up & Crossgradient Regional Wells



Cedar Hills Regional Landfill

Figure 6. Trilinear Diagram Downgradient Regional Wells

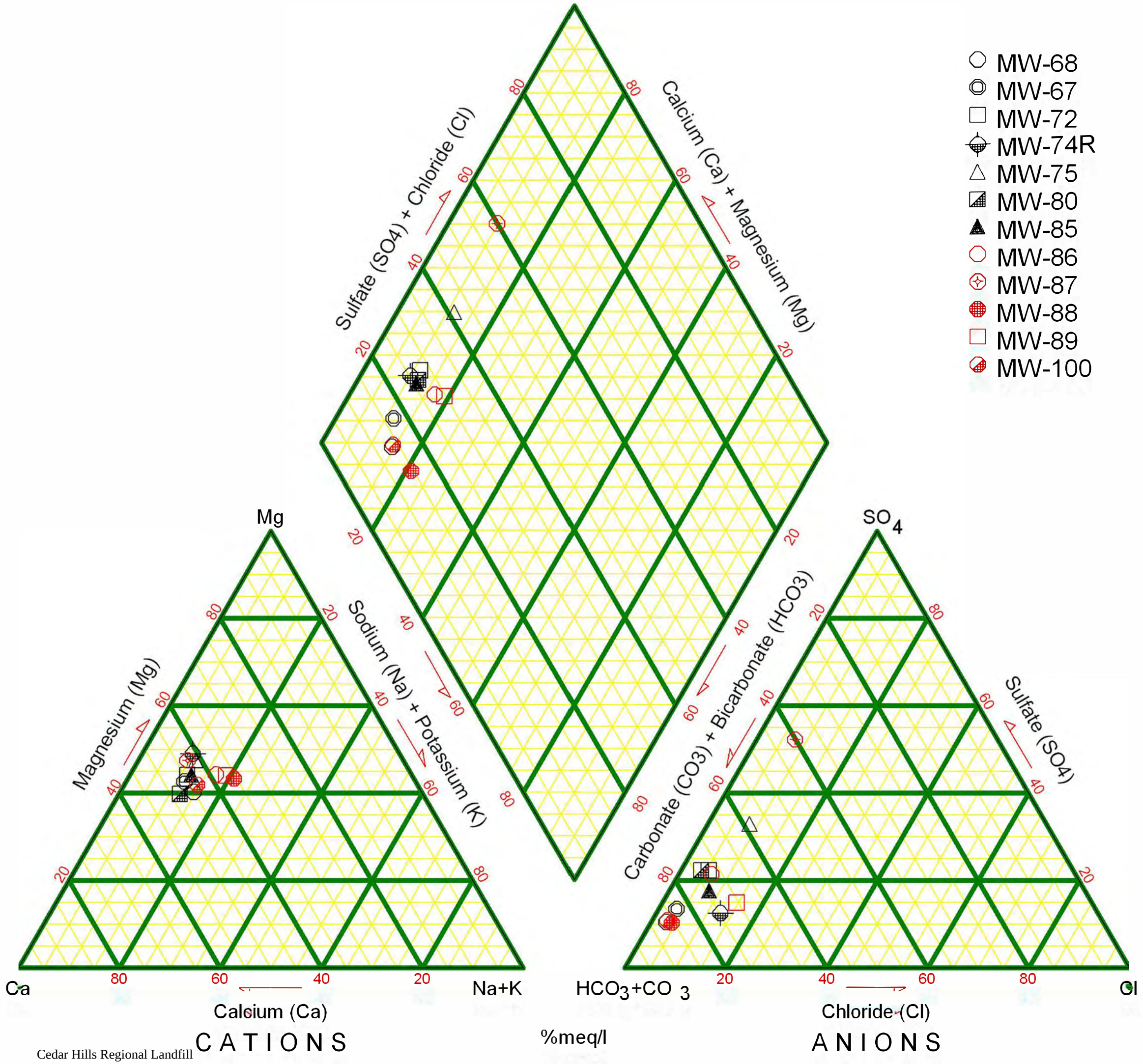


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TABLE 5
INTRAWELL PREDICTION LIMIT VALUES AND RESULTS.
CEDAR HILLS REGIONAL LANDFILL REGIONAL AQUIFER QUARTERLY AND SEMI-ANNUAL MONITORING WELLS
(Data Collected from April 1, 2020 - June 30, 2020)

Parameter		Total Antimony	Total Arsenic	Total Barium	Total Beryllium	Total Cadmium	Total Chromium	Total Cobalt	Total Copper	Total Lead	Total Nickel	Total Selenium	Total Silver	Total Thallium	Total Vanadium	Total Zinc	Nitrate as N	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
Well	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	*ug/L*	ug/L	ug/L
Upgradient and Crossgradient Wells																					
MW-21	Limit	0.001	0.00116412	0.005586	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	1.9	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000893	0.005	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	0.000132	< 0.0005	< 0.00004	< 0.0001	< 0.000075	< 0.0005	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-24	Limit	0.001	0.001	0.002118	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.32	0.39	0.2	0.2	0.0247
	Result	< 0.0003	0.000613	0.0021	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	0.000111	< 0.0005	< 0.00004	< 0.0001	< 0.000075	0.000768	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-56	Limit	0.001	0.0025	0.0478	0.001	0.002	0.00755	0.00389	0.0154	0.0033	0.01	0.001	0.00694	0.001	0.0178	0.0235	2.78	1.90741308	0.2	0.2	0.02
	Result	< 0.0003	0.0000807	0.00552	< 0.0001	< 0.00005	< 0.0002	0.0000796	< 0.0002	< 0.0001	0.000733	< 0.0005	< 0.00004	< 0.0001	0.000286	0.00128	1.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-59	Limit	0.001	0.001	0.005102	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.00748	0.29	1.41	0.2	0.45	0.02
	Result	< 0.0003	0.000423	0.00408	< 0.0001	< 0.00005	0.000207	< 0.00005	< 0.0002	< 0.0001		< 0.0005	< 0.00004	< 0.0001	< 0.000075	0.000956	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-64	Limit	0.001	0.01	0.0299	0.001	0.002	0.005	0.00385	0.00512	0.001	0.0155	0.001	0.003	0.001	0.00606	0.0385	0.121	0.2	0.2	0.2	0.5
	Result	< 0.0003	0.00127	0.0188	< 0.0001	0.00025	< 0.0002	0.00224	0.000959	< 0.0001	0.00654	< 0.0005	< 0.00004	< 0.0001	0.000798	0.00377	0.013 T	< 0.1	< 0.1	< 0.1	< 0.01
MW-65	Limit	0.001	0.00256	0.008541	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.055	0.2	0.2	0.2	0.132956
	Result	< 0.0003	0.000784	0.00614	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	0.000124	< 0.0005	< 0.00004	< 0.0001	< 0.000075	0.000606	0.01 T	< 0.1	< 0.1	< 0.1	0.05
MW-66	Limit	0.001	0.001	0.006775	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.002	0.004	0.9097973	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000698	0.00404	< 0.0001	< 0.00005	0.000534	< 0.00005	< 0.0002	< 0.0001	0.000533	0.000967	< 0.00004	< 0.0001	0.000726	0.000723	0.405	< 0.1	< 0.1	< 0.1	< 0.01
MW-73	Limit	0.001	0.00151	0.0225	0.001	0.002	0.005	0.003	0.00363	0.00237	0.01	0.0016	0.003	0.001	0.00315	0.0066	2.01	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000711	0.0031	< 0.0001	< 0.00005	0.000332	< 0.00005	0.000578	< 0.0001	0.000283	< 0.0005	< 0.00004	< 0.0001	0.0013	0.000864	1.13	< 0.1	< 0.1	< 0.1	< 0.01
MW-76	Limit	0.001	0.001	0.0045	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	6	2.45296442	0.66715	14.39923	0.02
	Result	< 0.0003	0.000215	0.00446	< 0.0001	< 0.00005	0.000506	0.0000757	0.00168	< 0.0001	0.000621	< 0.0005	< 0.00004	< 0.0001	0.000599	0.000675	0.209	< 0.1	0.377	7.42	< 0.01
MW-81	Limit	0.001	0.001	0.00487	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.00253	0.00895	1.7322327	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000528	0.00318	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	0.000168	0.000871	< 0.00004	< 0.0001	0.00167	0.00141	1.56	< 0.1	< 0.1	< 0.1	< 0.01
MW-82	Limit	0.001	0.001	0.00376	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	1.409877	0.2	0.2	8.8	0.02
	Result	< 0.0003	0.00028	0.00201	< 0.0001	< 0.00005	0.00353	0.0000719	0.000419	0.000112	0.0054	< 0.0005	< 0.00004	< 0.0001	0.00144	0.00122	0.821	< 0.1	< 0.1	4.82	< 0.01
MW-83	Limit	0.001	0.001	0.012075	0.001	0.002	0.0723	0.003	0.0079	0.001	0.01	0.001	0.003	0.001	0.002	0.004	5.4257758	0.2	0.2	2.802958	0.02
	Result	< 0.0003	0.00031	0.00705	< 0.0001	< 0.00005	0.000241	0.000108	0.00209	< 0.0001	0.0021	< 0.0005	< 0.00004	< 0.0001	0.000771	0.000867	0.681	< 0.1	< 0.1	1.64	< 0.01
MW-84*	Limit	0.001	0.001	0.00503	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.68	0.2	0.2	0.2	0.02
	Result	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW-93	Limit	0.001	0.00141993	0.009455	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00231	0.0112	0.0549	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00134	0.0079	< 0.0001	< 0.00005	< 0.0002	0.000111	< 0.0002	< 0.0001	0.000257	< 0.0005	< 0.00004	< 0.0001	0.00212	0.00116	0.013 T	< 0.1	< 0.1	< 0.1	< 0.01
MW-94	Limit	0.001	0.001	0.00542	0.001	0.002	0.005	0.003	0.0051	0.001	0.01	0.001	0.003	0.001	0.002	0.004	2.5526094	0.2	0.2	3.713146	0.02
	Result	< 0.0003	0.000135	0.00211	< 0.0001	< 0.00005	< 0.0002	0.000106	0.00122	< 0.0001	0.000681	< 0.0005	< 0.00004	< 0.0001	0.00118	< 0.0005	0.614	< 0.1	< 0.1	2.42	< 0.01
MW-95	Limit	0.001	0.00111	0.004733	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.05	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00102	0.00407	< 0.0001	< 0.00005	< 0.0002	0.0000703	< 0.0002	< 0.0001	0.0002	< 0.0005	< 0.00004	< 0.0001	0.000374	0.00129	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01

NOTE:
Results greater than Limit Value in **Bold Red**

TABLE 5
INTRAWELL PREDICTION LIMIT VALUES AND RESULTS.
CEDAR HILLS REGIONAL LANDFILL REGIONAL AQUIFER QUARTERLY AND SEMI-ANNUAL MONITORING WELLS
(Data Collected from April 1, 2020 - June 30, 2020)

	Parameter	Total Antimony	Total Arsenic	Total Barium	Total Beryllium	Total Cadmium	Total Chromium	Total Cobalt	Total Copper	Total Lead	Total Nickel	Total Selenium	Total Silver	Total Thallium	Total Vanadium	Total Zinc	Nitrate as N	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
Downgradient																					
MW-67	Limit	0.001	0.00833	0.0264	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00357	0.004	0.83	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00386	0.0196	< 0.0001	< 0.00005	0.000227	0.000655	0.000495	0.000184	0.000708	< 0.0005	< 0.00004	< 0.0001	0.0014	0.00151	0.075	< 0.1	< 0.1	< 0.1	< 0.01
MW-68	Limit	0.001	0.38858415	0.0197	0.001	0.002	0.005	0.003	0.0068457	0.001	0.01	0.001	0.003	0.001	0.0037	0.004	0.13	0.2	1	0.2	0.02
	Result	< 0.0003	0.0324	0.0116	< 0.0001	< 0.00005	< 0.0002	0.000194	0.00119	< 0.0001	0.000419	< 0.0005	< 0.00004	< 0.0001	0.000614	0.000724	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-69*	Limit	0.001	0.00386	0.014174	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.0112	0.076	0.2	0.2	0.2	0.02
	Result	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW-72	Limit	0.001	0.001	0.016619	0.001	0.002	0.005	0.003	0.00331	0.00104	0.01	0.001	0.003	0.001	0.002	0.02638717	0.15	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000153	0.0136	< 0.0001	< 0.00005	< 0.0002	< 0.00005	0.000218	< 0.0001	< 0.0001	< 0.0005	< 0.00004	< 0.0001	0.000092	0.00156	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-74	Limit	0.001	0.00145	0.016198	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.002	0.004	0.487	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000383	0.0131	< 0.0001	< 0.00005	0.000245	< 0.00005	0.000328	< 0.0001	0.000994	0.000706	< 0.00004	< 0.0001	0.00061	0.00108	0.248	< 0.1	< 0.1	< 0.1	< 0.01
MW-75	Limit	0.001	0.001	0.013638	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.05	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000456	0.0126	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	< 0.0001	< 0.0005	< 0.00004	< 0.0001	< 0.000075	0.00106	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-80	Limit	0.001	0.0392	0.023	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.0117	0.028	0.2	1	0.2	0.02
	Result	< 0.0003	0.0037	0.0151	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	< 0.0001	< 0.0005	< 0.00004	< 0.0001	< 0.000075	< 0.0005	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-85	Limit	0.001	0.001	0.00742	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00135156	0.003	0.001	0.002	0.004	1.63	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000695	0.00682	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	0.000232	0.000905	< 0.00004	< 0.0001	0.000899	0.00107	0.1	< 0.1	< 0.1	< 0.1	< 0.01
MW-86	Limit	0.001	0.0194	0.008554	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.0017	0.003	0.001	0.00336	0.004	1.4237609	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00685	0.00616	< 0.0001	< 0.00005	< 0.0002	0.0000971	< 0.0002	< 0.0001	0.000131	< 0.0005	< 0.00004	< 0.0001	0.00042	0.000781	0.013	< 0.1	< 0.1	< 0.1	< 0.01
MW-87	Limit	0.001	0.06721768	0.038004	0.001	0.002	0.005	0.003	0.00347	0.001	0.01	0.001	0.003	0.001	0.00468	0.004	0.0803	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000718	0.0258	< 0.0001	< 0.00005	< 0.0002	0.000159	< 0.0002	< 0.0001	0.000177	< 0.0005	< 0.00004	< 0.0001	0.000111	0.00151	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-88	Limit	0.001	0.0010525	0.002448	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002941098	0.004	1.7	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00101	0.00212	< 0.0001	< 0.00005	0.000662	< 0.00005	< 0.0002	< 0.0001	0.000237	0.000584	< 0.00004	< 0.0001	0.00278	0.00102	0.758	< 0.1	< 0.1	< 0.1	< 0.01
MW-89	Limit	0.001	0.0266	0.0256	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.03980597	0.095	0.2	0.2	0.2	0.04
	Result	< 0.0003	0.0024	0.00901	< 0.0001	< 0.00005	< 0.0002	< 0.00005	0.000484	< 0.0001	0.000128	< 0.0005	< 0.00004	< 0.0001	0.000109	0.00209	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-100	Limit	0.001	0.01585452	0.0121	0.001	0.002	0.005	0.003	0.00226	0.001	0.01	0.001	0.003	0.001	0.002	0.00922	0.26	0.2	0.2	0.2	0.02
	Result	< 0.0003	**0.0165**	0.0108	0.000123	< 0.00005	0.000673	0.000571	0.00131	0.000512	0.001	< 0.0005	< 0.00004	< 0.0001	0.000535	0.00826	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01

NOTE:
Results greater than Limit Value in **Bold Red**
* MW-84 No sample collected; well was broken.
* MW-69 No sample collected; well was damaged.

TABLE 6
CEDAR HILLS REGIONAL LANDFILL.
REGIONAL AQUIFER VOLATILE ORGANIC COMPOUND DETECTIONS
(Data Collected from April 1, 2020 to June 30, 2020)

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
Upgradient and Crossgradient Wells				
Acetone	MW-95	5/4/2020	W95-200504-	3.55 BJT
Cis- 1,2-Dichloroethene	MW-56	5/4/2020	W56-200504-	1.13
	MW-59	5/4/2020	W59-200504-	1.41
	MW-76	5/12/2020	W76-200512-	0.327
Tetrachloroethene	MW-76	5/12/2020	W76-200512-	0.377
Trichloroethene	MW-76	5/12/2020	W76-200512-	7.42
	MW-82	4/30/2020	W82-200430-	4.82
	MW-83	5/12/2020	W83-200512-	1.64
	MW-94	5/12/2020	W94-200512-	2.42
Vinyl Chloride	MW-65	5/11/2020	W65-200511-	0.0468
Downgradient Wells				
Acetone	MW-87	5/12/2020	W87-200512-	2.9 JT

TABLE 7
CEDAR HILLS REGIONAL LANDFILL
PERCHED ZONES GROUNDWATER QUALITY STANDARD EXCEEDANCES
(Data Collected from April 1, 2020 to June 30, 2020)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
East Perched Zone Wells					
pH (Field)	pH Units	MW-107	4/8/2020	W107200408-	5.75
		MW-110	4/14/2020	W110200414-	6.31
		MW-111	4/13/2020	W111200413-	5.45
		MW-62	5/11/2020	W62-200511-	6.44
		MW-EB6	4/8/2020	WB6-200408-	6.34
1,1-Dichloroethane	µg/L	MW-30A	4/8/2020	W30A200408-	1.53
Arsenic, Total	mg/L	MW-102	4/16/2020	W102200416-	0.000323
		MW-103	5/5/2020	W103200505-	0.00523
		MW-104	4/16/2020	W104200416-	0.00169
		MW-107	4/8/2020	W107200408-	0.00232
		MW-108	4/9/2020	W108200409-	0.00193
		MW-109	5/5/2020	W109200505-	0.0433
		MW-110	4/14/2020	W110200414-	0.00918
		MW-111	4/13/2020	W111200413-	0.00064
		MW-112	4/9/2020	W112200409-	0.00301
		MW-30A	4/8/2020	W30A200408-	0.000495
		MW-47	4/8/2020	W47-200408-	0.00313
		MW-50	4/21/2020	W50-200421-	0.00473
		MW-62	5/11/2020	W62-200511-	0.000165
		MW-EB6	4/8/2020	WB6-200408-	0.00409
Benzene	ug/L	MW-109	5/5/2020	W109200505-	1.25 JT
Chromium	mg/L	MW-109	5/5/2020	W109200505-	0.122
Iron, Dissolved	mg/L	MW-107	4/8/2020	W107200408-	1.61
		MW-109	5/5/2020	W109200505-	11.7
		MW-110	4/14/2020	W110200414-	0.749
		MW-47	4/8/2020	W47-200408-	3.1
Manganese, Dissolved	mg/L	MW-103	5/5/2020	W103200505-	0.0796
		MW-107	4/8/2020	W107200408-	2.23
		MW-109	5/5/2020	W109200505-	1.43 D
		MW-110	4/14/2020	W110200414-	3.85
		MW-112	4/9/2020	W112200409-	0.135
		MW-47	4/8/2020	W47-200408-	2.23
Nitrate	mg/l	MW-30A	4/8/2020	W30A200408-	11.8
Sodium	mg/l	MW-108	4/9/2020	W108200409-	42.9
		MW-109	5/5/2020	W109200505-	1510 D
		MW-110	4/14/2020	W110200414-	54.4
Vinyl Chloride	µg/L	MW-107	4/8/2020	W107200408-	0.26
		MW-109	5/5/2020	W109200505-	0.199 JT
		MW-110	4/14/2020	W110200414-	0.307 D
		MW-47	4/8/2020	W47-200408-	7.06
South Solid Waste Area Perched Wells					
pH (Field)	pH Units	None.			
Arsenic, Total	mg/L	MW-101	5/13/2020	W101200513-	0.00591
Manganese, Dissolved	mg/L	MW-101	5/13/2020	W101200513-	0.577

TABLE 7
CEDAR HILLS REGIONAL LANDFILL
PERCHED ZONES GROUNDWATER QUALITY STANDARD EXCEEDANCES
(Data Collected from April 1, 2020 to June 30, 2020)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
Vinyl Chloride	µg/L	MW-101	5/13/2020	W101200513-	0.114

See Data Qualifier List for Qualifier Information.
Exceedance Criteria: WAC 173-200-040 - Water Quality Standards for Groundwaters of the State of Washington

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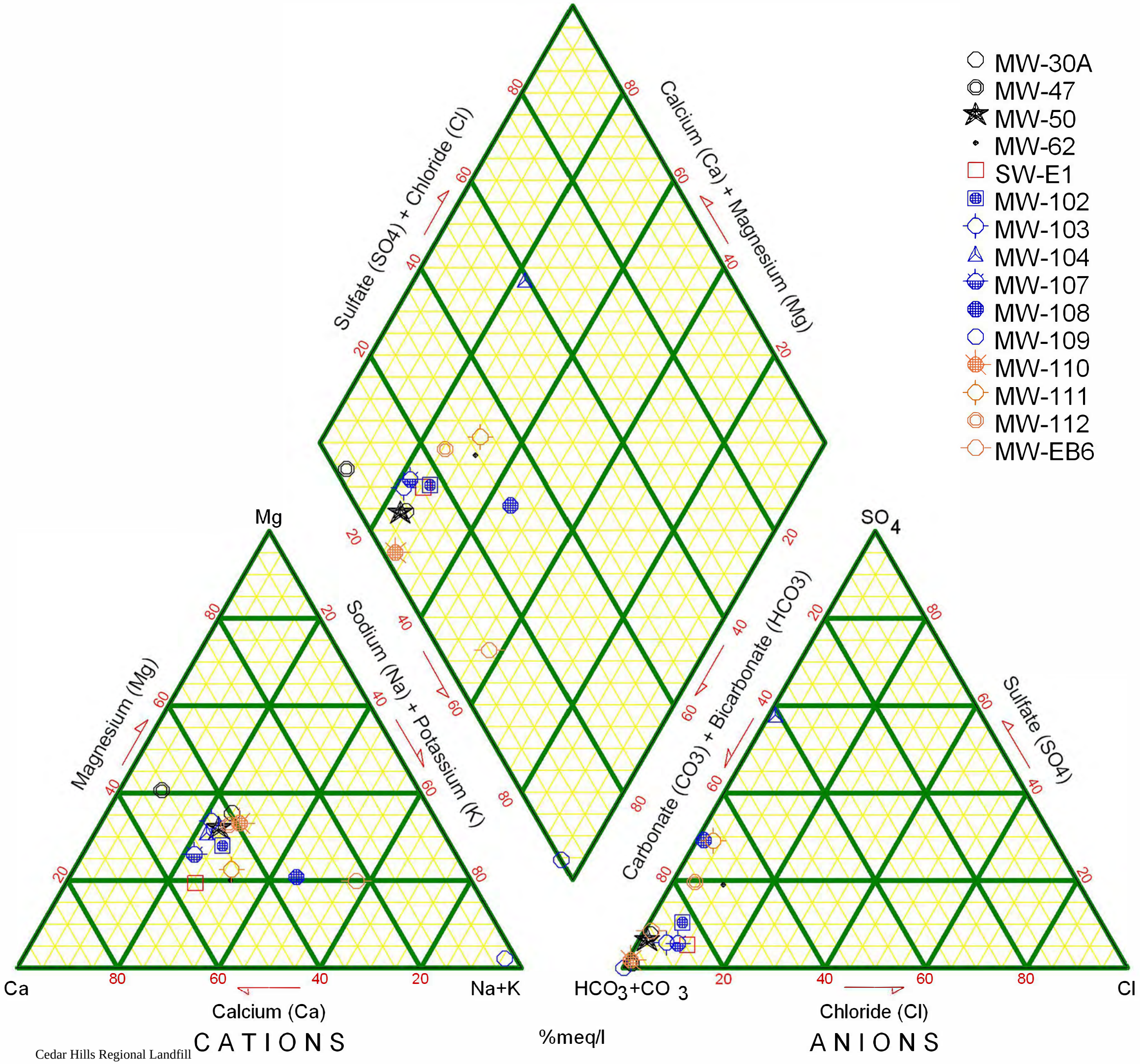
Cedar Hills Regional Landfill

Figure 7. Trilinear Diagram East Area Perched Wells



Cedar Hills Regional Landfill

Figure 8. Trilinear Diagram SSW perched Area Wells

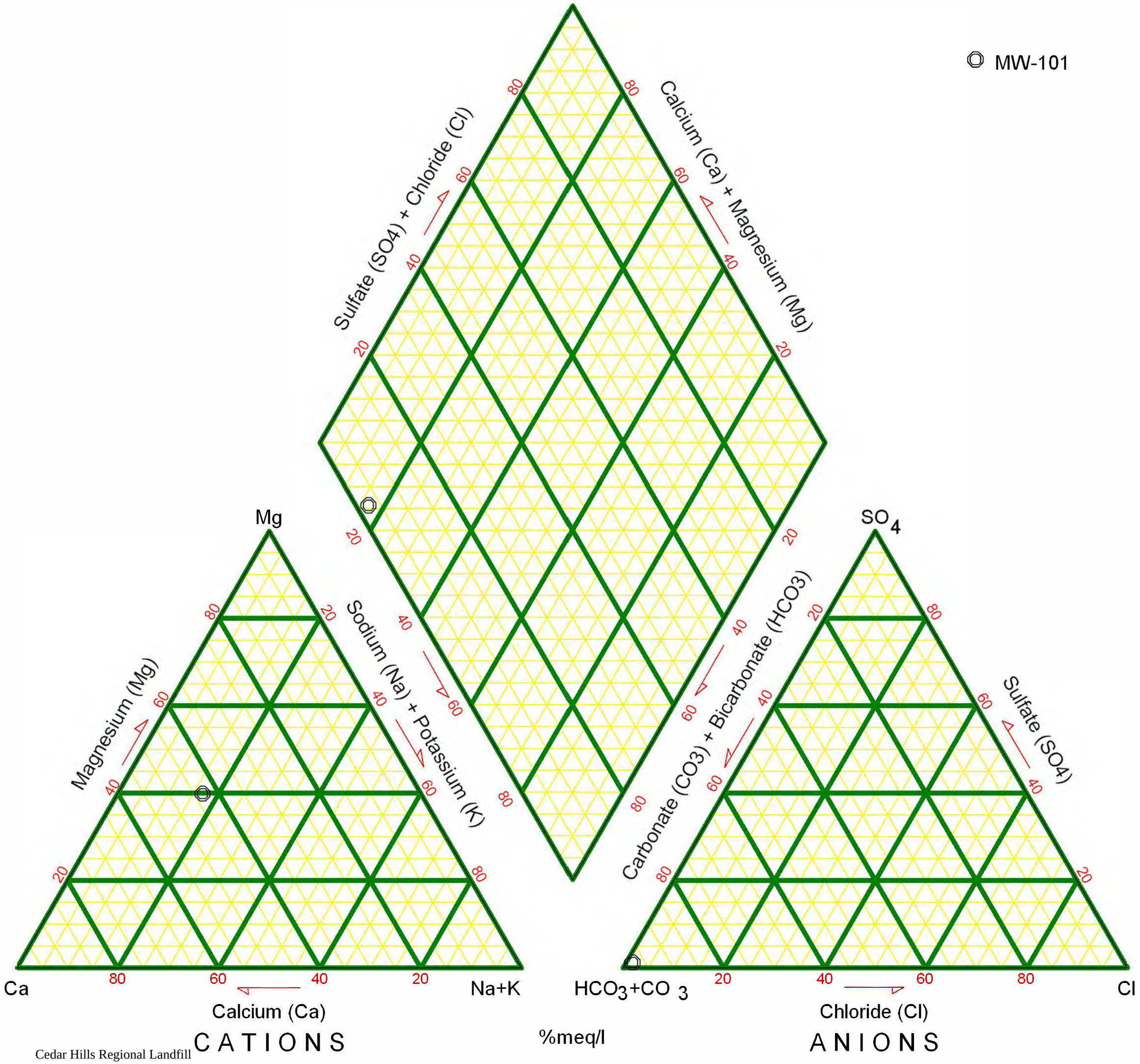


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Table 8
Ion Balance Calculations.
Cedar Hills Regional Landfill.
Perched Zones Groundwater Monitoring Wells

Data Collected from April 1, 2020 - June 30, 2020

			East Perched Zone																				
Site ID			**MW-30A**			**MW-47**			**MW-50**			**MW-62**			**SW-E1**			**MW-102**			**MW-103**		
Date			4/8/2020			4/8/2020			4/21/2020			5/11/2020			4/21/2020			4/16/2020			5/5/20		
Cations	**Weight**	**n**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	meq/L	**%(meq)**
pH			6.6			6.7			7.5			6.4			6.1			7.2			8.1		
Conductance			233.6			1007.0			291.3			146.6			48.0			158.8			222.8		
TDSobs			189.0			673.0			210.0			175.0			56.0			123.0			186.0		
Calcium	40.1	2	20.3	1.01	39.6	119.0	5.94	50.1	29.8	1.49	44.0	14.9	0.74	47.6	5.7	0.29	54.3	16.3	0.81	45.2	25.8	1.29	44.5
Magnesium	24.3	2	11.0	0.91	35.4	57.7	4.75	40.1	13.1	1.08	31.9	3.8	0.32	20.2	1.2	0.10	19.2	6.1	0.50	28.0	11.8	0.971	33.6
Potassium	39.1	1	1.5	0.038	1.47	4.7	0.120	1.01	6.0	0.154	4.55	0.8	0.021	1.34	0.4	0.011	2.08	1.1	0.028	1.55	2.6	0.07	2.3
Sodium	23.0	1	13.8	0.60	23.5	19.6	0.85	7.2	15.1	0.66	19.5	11.1	0.48	30.9	2.8	0.12	23.3	10.4	0.45	25.2	12.9	0.5611	19.4
Iron	55.8	2	0.0	0.0004	0.0140	3.1	0.111	0.9366	0.0	0.00064	0.0189	0.0	0.0004	0.0229	0.1	0.0029	0.5455	0.0	0.0005	0.0303	0.1	0.0031	0.1
Manganese	54.9	2	0.0	4E-06	0.00014	2.2	0.0812	0.68490	0.0	5.9E-05	0.00175	0.0	4E-05	0.00235	0.1	0.0019	0.35473	0.0	3E-05	0.00144	0.1	0.0029	0.10
Ammonia-N	14.0	1	0.0	0.0001	0.0056	0.0	0.0023	0.0194	0.0	0.00026	0.0076	0.0	0.0001	0.0091	0.0	0.001	0.1831	0.0	0.0001	0.0079	0.0	**0.00**	0.016
Total Cations (meq/L)				**2.56**			**11.85**			**3.38**			**1.56**			**0.53**			**1.80**			2.9	
Anions																							
Alkalinity, Total			74.10			591.00			149.00			44.70			19.30			67.20			122.00		
Carbonate	60.0	2	0.016	0.001	0.021	0.166	0.006	0.046	0.289	0.010	0.297	0.007	0.000	0.017	0.002	0.000	0.011	0.058	0.002	0.113	0.912	0.030	1.10
Bicarbonate	61.0	1	90.37	1.481	59.814	720.68	11.813	97.675	181.19	2.970	91.616	54.52	0.894	61.110	23.54	0.386	83.735	81.87	1.342	78.248	146.99	2.409	87.3
Chloride	35.5	1	0.9	0.026	1.034	5.1	0.144	1.187	1.9	0.053	1.627	4.6	0.131	8.931	1.6	0.046	9.976	3.8	0.106	6.201	5.6	0.157	5.7
Nitrate-N	14.0	1	11.8	0.842	34.018	0.0	0.001	0.006	0.1	0.006	0.172	2.8	0.196	13.426	0.1	0.005	0.991	1.3	0.096	5.579	0.0	0.002	0.06
Sulfate	96.1	2	6.1	0.127	5.112	6.3	0.131	1.086	9.8	0.204	6.288	11.6	0.242	16.516	1.2	0.024	5.286	8.1	0.169	9.859	7.7	**0.16**	5.8
Total Anions (meq/L)				**2.48**			**12.09**			**3.24**			**1.46**			**0.46**			**1.71**			**2.759**	
Total Ions (meq/L)				**5.033**			**23.947**			**6.618**			**3.025**			**0.987**			**3.513**			**5.652**	
Cation/Anion Ratio				**1.032**			**0.980**			**1.042**			**1.069**			**1.142**			**1.048**			**1.049**	
Percent Difference				**1.591**			**-1.005**			**2.036**			**3.326**			**6.648**			**2.365**			**2.372**	
Trilinear Diagram Data																							
sum (Ca, Mg, Na+K)				2.56			11.66			3.38			1.56			0.52			1.80			2.89	
Calcium					39.6			50.9			44.1			47.6			54.9			45.3			44.60
Magnesium					35.4			40.7			31.9			20.2			19.4			28.0			33.64
Sodium + Potassium					25.0			8.3			24.0			32.2			25.7			26.7			21.77
sum (SO_4, Cl, HCO_3+CO_3)				1.634			12.093			3.236			1.266			0.456			1.619			2.8	
Sulfate					7.7			1.1			6.3			19.1			5.3			10.4			5.8
Chloride					1.6			1.2			1.6			10.3			10.1			6.6			5.7
Bicarbonate + Carbonate					90.7			97.7			92.1			70.6			84.6			83.0			88.5

Table 8
Ion Balance Calculations.
Cedar Hills Regional Landfill.
Perched Zones Groundwater Monitoring Wells

Data Collected from April 1, 2020 - June 30, 2020

			East Perched Zone																					SSWA		
Site ID			**MW-104**			**MW-107**			**MW-108**			**MW-109**			**MW-110**			**MW-111**			**MW-112**			**MW-EB6**			**MW-101**		
Date			4/16/2020			4/8/2020			4/9/2020			5/5/2020			4/14/2020			4/13/2020			4/9/2020			4/8/2020			5/13/20		
Cations	**Weight**	**n**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	**%(meq)**	**mg/L**	**meq/L**	%(meq)
pH			7.4			5.8			6.5			7.4			6.3			5.5			7.6			6.3			6.7		
Conductance			350.2			229.2			330.6			464.1			720.0			78.0			260.3			118.3			403		
TDSobs			258.0			153.0			253.0			3500.0			483.0			74.0			195.0			96.7			298		
Calcium	40.1	2	38.3	1.91	46.9	25.3	1.26	47.6	28.1	1.40	34.2	30.1	1.50	2.2	70.4	3.51	38.6	7.8	0.39	46.1	27.9	1.39	41.6	6.6	0.33	22.6	44.6	2.23	42.9
Magnesium	24.3	2	15.4	1.27	31.1	7.7	0.63	23.9	10.4	0.86	20.8	18.2	1.50	2.2	36.0	2.96	32.5	2.3	0.19	22.6	13.3	1.09	32.7	3.5	0.29	19.8	25.0	2.06	39.7
Potassium	39.1	1	3.8	0.098	2.40	2.9	0.075	2.83	1.6	0.042	1.02	3.5	0.090	0.13	3.1	0.080	0.88	0.3	0.007	0.86	2.9	0.074	2.21	1.1	0.027	1.84	2.5	0.064	1.2
Sodium	23.0	1	18.4	0.80	19.6	10.7	0.47	17.5	41.5	1.81	44.0	1490.0	64.81	94.7	54.8	2.38	26.2	5.9	0.26	30.3	18.0	0.78	23.4	18.5	0.80	55.1	18.5	0.805	15.5
Iron	55.8	2	0.0	0.0004	0.0088	1.6	0.0577	2.1738	0.0	0.0004	0.0087	11.7	0.419001916	0.6125	0.7	0.0268233	0.2944	0.0	0.0004	0.0423	0.0	0.0004	0.0107	0.1	0.0024	0.1639	0.3	0.010	0.2
Manganese	54.9	2	0.0	0.0002	0.00524	2.2	0.0812	3.06072	0.0	0.0001	0.00310	1.4	0.052058684	0.07610	3.9	0.140158	1.53810	0.0	0.0002	0.02729	0.1	0.0049	0.14670	0.0	0.0006	0.04190	0.6	0.021	0.41
Ammonia-N	14.0	1	0.0	0.0002	0.0056	1.1	0.0771	2.9070	0.0	0.0001	0.0035	0.5	0.037481259	0.0548	0.1	0.006097	0.0669	0.0	0.0001	0.0169	0.0	0.0013	0.0390	0.1	0.0058	0.3991	0.005	0.0004	0.007
Total Cations (meq/L)				**4.08**			**2.65**			**4.11**			**68.41**			**9.11**			**0.85**			**3.35**			**1.46**			**5.18**	
Anions																													
Alkalinity, Total			77.50			103.00			128.00			3610.00			413.00			24.60			112.00			58.60			234		
Carbonate	60.0	2	0.107	0.004	0.093	0.003	0.000	0.005	0.025	0.001	0.022	5.696	0.190	0.263	0.051	0.002	0.020	0.000	0.000	0.002	0.255	0.009	0.287	0.008	0.000	0.020	0.063	0.0021	0.04
Bicarbonate	61.0	1	94.33	1.546	40.630	125.65	2.060	86.248	156.11	2.559	68.271	4392.62	71.999	99.585	503.76	8.257	97.504	30.01	0.492	64.274	136.12	2.231	75.408	71.48	1.172	89.781	285.35	4.6772	97.4
Chloride	35.5	1	1.6	0.046	1.216	6.8	0.193	8.067	1.8	0.051	1.362	3.5	0.099	0.137	2.0	0.057	0.673	0.9	0.024	3.162	4.6	0.131	4.423	0.6	0.018	1.355	2.1	0.0601	1.3
Nitrate-N	14.0	1	0.0	0.003	0.068	0.0	0.001	0.030	0.8	0.057	1.512	0.1	0.007	0.010	0.0	0.001	0.008	0.5	0.037	4.813	0.1	0.007	0.249	0.1	0.005	0.356	0.0	0.0024	0.05
Sulfate	96.1	2	106.0	2.207	57.994	6.5	0.135	5.650	51.9	1.081	28.832	0.2	0.005	0.006	7.3	0.152	1.795	10.2	0.212	27.749	27.9	0.581	19.633	5.3	0.111	8.488	3.0	0.0627	1.3
Total Anions (meq/L)				**3.81**			**2.39**			**3.75**			**72.30**			**8.47**			**0.77**			**2.96**			**1.30**			**4.80**	
Total Ions (meq/L)				**7.883**			**5.040**			**7.853**			**140.709**			**17.581**			**1.611**			**6.309**			**2.764**			**10.0**	
Cation/Anion Ratio				**1.071**			**1.111**			**1.095**			**0.946**			**1.076**			**1.105**			**1.132**			**1.119**			**1.08**	
Percent Difference				**3.449**			**5.246**			**4.552**			**-2.764**			**3.663**			**4.993**			**6.202**			**5.594**			**4**	
Trilinear Diagram Data																													
sum (Ca, Mg, Na+K)				4.08			2.44			4.10			67.90			8.94			0.85			3.34			1.45			5.15	
Calcium					46.9			51.8			34.2			2.2			39.3			46.2			41.6			22.8			43.21
Magnesium					31.1			26.0			20.8			2.2			33.1			22.6			32.7			19.9			39.94
Sodium + Potassium					22.0			22.2			45.0			95.6			27.6			31.2			25.6			57.3			16.86
sum (SO_4, Cl, HCO_3+CO_3)				3.803			2.387			3.691			72.292			8.468			0.728			2.951			1.300			4.80	
Sulfate					58.0			5.7			29.3			0.0			1.8			29.2			19.7			8.5			1.3
Chloride					1.2			8.1			1.4			0.1			0.7			3.3			4.4			1.4			1.3
Bicarbonate + Carbonate					40.8			86.3			69.3			99.9			97.5			67.5			75.9			90.1			97.4

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TABLE 9
INTRAWELL PREDICTION LIMIT VALUES AND RESULTS
CEDAR HILLS REGIONAL LANDFILL PERCHED ZONES MONITORING WELLS
(Data Collected from April 1, 2020- June 30, 2020)

Well	Parameter / Units	Total Antimony mg/L	Total Arsenic mg/L	Total Barium mg/L	Total Beryllium mg/L	Total Cadmium mg/L	Total Chromium mg/L	Total Cobalt mg/L	Total Copper mg/L	Total Lead mg/L	Total Nickel mg/L	Total Selenium mg/L	Total Silver mg/L	Total Thallium mg/L	Total Vanadium mg/L	Total Zinc mg/L	Nitrate as N mg/L	1,1-Dichloroethane ug/L	1,1-Dichloroethene ug/L	1,2-Dichloroethane ug/L	*cis*-1,2-Dichloroethene *ug/L*	*trans*-1,2-Dichloroethene ug/L	Trichloroethene ug/L	Vinyl Chloride ug/L
East Perched Zone Wells																								
MW-30A	Limit	0.001	0.001	0.0077	0.001	0.002	0.005	0.003	0.0103	0.001	0.01	0.001	0.003	0.001	0.00331	0.0188	16	6.50	0.20	0.23	11.86	0.20	1.57	0.03
	Result	< 0.0003	0.0005	0.0042	< 0.0001	< 0.00005	0.0006	< 0.00005	0.000420	< 0.0001	0.000717	< 0.0005	< 0.00004	< 0.0001	0.00202	0.001700	11.8	1.53	< 0.1	< 0.1	1.67	< 0.1	0.84	0.01
MW-47	Limit	0.001	0.0113	0.0466	0.001	0.002	0.005	0.003	0.0105	0.00143	0.01	0.001	0.003	0.001	0.00307	0.168	0.05	1.01	0.20	0.44	6.75	0.41	0.23	8.54
	Result	< 0.0003	0.0031	0.038	< 0.0001	< 0.00005	< 0.0002	0.000300	< 0.0002	< 0.0001	0.00169	< 0.0005	< 0.00004	< 0.0001	0.000251	0.000809	< 0.01	0.62	< 0.1	< 0.1	1.63	< 0.1	< 0.1	7.06
MW-62	Limit	0.001	0.001	0.0037	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00212	0.004	7.7	11.97	0.20	0.20	16.05	0.21	0.47	0.09
	Result	< 0.0003	0.000165	0.00227	< 0.0001	< 0.00005	0.000396	0.0000678	0.00173	< 0.0001	0.000604	< 0.0005	< 0.00004	< 0.0001	0.000663	0.00169	2.75	0.582	< 0.1	< 0.1	1.41	< 0.1	0.103	< 0.01
South Solid Waste Area Wells																								
MW-101	Limit	0.001	0.014	0.0363	0.001	0.002	0.005	0.003	0.00416	0.00109	0.01	0.001	0.003	0.001	0.0039	0.00729	0.059	0.21	0.20	0.22	0.24	0.20	0.20	0.93
	Result	< 0.0003	0.00591	0.0161	< 0.0001	< 0.00005	0.000219	0.000349	0.000611	0.000157	0.00351	< 0.0005	< 0.00004	< 0.0001	0.00026	0.00229	0.034	< 0.1	< 0.1	< 0.1	0.12	< 0.1	< 0.1	0.11

NOTE:
Results greater than Limit Value in **RED Bold**

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TABLE 10
CEDAR HILLS REGIONAL LANDFILL.
PERCHED ZONES VOLATILE ORGANIC COMPOUND DETECTIONS
(Data Collected from April 1, 2020 - June 30, 2020)

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
East Perched Zone Wells				
1,1-Dichloroethane	MW-110	4/14/2020	W110200414-	0.321
	MW-30A	4/8/2020	W30A200408-	1.53
	MW-47	4/8/2020	W47-200408-	0.623
	MW-62	5/11/2020	W62-200511-	0.582
1,2-Dichlorobenzene	MW-107	4/8/2020	W107200408-	0.148 JT
	MW-110	4/14/2020	W110200414-	1.13
1,2-Dichloroethane	MW-110	4/14/2020	W110200414-	0.308
1,2-Dichloropropane	MW-110	4/14/2020	W110200414-	0.249
1,4-Dichlorobenzene	MW-107	4/8/2020	W107200408-	0.831
	MW-110	4/14/2020	W110200414-	0.219
Acetone	MW-103	5/5/2020	W103200505-	3.71 BJT
Benzene	MW-109	5/5/2020	W109200505-	1.25 JT
	MW-110	4/14/2020	W110200414-	0.479
Chlorobenzene	MW-107	4/8/2020	W107200408-	0.615
	MW-110	4/14/2020	W110200414-	1.21
Chloroethane	MW-47	4/8/2020	W47-200408-	0.289
	MW-110	4/14/2020	W110200414-	0.28
cis-1,2,-Dichloroethene	MW-107	4/8/2020	W107200408-	0.111 JT
	MW-110	4/14/2020	W110200414-	4.59
	MW-111	4/13/2020	W111200413-	0.167 JT
	MW-30A	4/8/2020	W30A200408-	1.67
	MW-47	4/8/2020	W47-200408-	1.63
	MW-62	5/11/2020	W62-200511-	1.41
Dichlorodifluoromethane	MW-47	4/8/2020	W47-200408-	7.85
Tetrachloroethene	MW-30A	4/8/2020	W30A200408-	0.115 JT
Toluene	MW-109	5/5/2020	W109200505-	292
Trans-1,2-Dichloroethene	MW-110	4/14/2020	W110200414-	0.317
Trichloroethene	MW-110	4/14/2020	W110200414-	0.133 JT
	MW-30A	4/8/2020	W30A200408-	0.836
	MW-62	5/11/2020	W62-200511-	0.103 JT
Vinyl Chloride	MW-107	4/8/2020	W107200408-	0.26
	MW-109	5/5/2020	W109200505-	0.199 JT
	MW-110	4/14/2020	W110200414-	0.307 D
	MW-111	4/13/2020	W111200413-	0.0113 DJT
	MW-30A	4/8/2020	W30A200408-	0.0123 JT
	MW-47	4/8/2020	W47-200408-	7.06
South Solid Waste Area Perched Wells				

TABLE 10
CEDAR HILLS REGIONAL LANDFILL.
PERCHED ZONES VOLATILE ORGANIC COMPOUND DETECTIONS
(Data Collected from April 1, 2020 - June 30, 2020)

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
cis-1,2,-Dichloroethene	MW-101	5/13/2020	W101200513-	0.115 JT
Vinyl Chloride	MW-101	5/13/2020	W101200513-	0.114

See Data Qualifier List for Qualifier Information.

TABLE 11
CEDAR HILLS REGIONAL LANDFILL.
VOLATILE ORGANIC COMPOUND DETECTIONS IN BLANKS
(Data Collected from April 1, 2020 - June 30, 2020)

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
2-Butanone	FIELD BLANK	05/04/20	W56-200504F	15.9
	FIELD BLANK	05/13/20	W101200513F	9.84
Carbon Disulfide	FIELD BLANK	05/04/20	W56-200504F	0.419
	FIELD BLANK	05/13/20	W101200513F	0.214
Chloroform	FIELD BLANK	05/04/20	W56-200504F	3.01
	FIELD BLANK	05/13/20	W101200513F	3.46
Toluene	FIELD BLANK	5/13/2020	W101200513F	0.464

See Data Qualifier List for Qualifier Information.

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
NO DETECTIONS IN TRIP BLANKS FOR THIS QUARTER				

See Data Qualifier List for Qualifier Information.

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
Acetone	WG169670	5/11/2020	WG169670-1	2.74 BJT

See Data Qualifier List for Qualifier Information.

TABLE 12
CEDAR HILLS REGIONAL LANDFILL.
STORM AND SURFACE WATER MONITORING ACTIVITIES 2nd QUARTER 2020

Station ID	Date	Planned Acitvity	Sample ID	Comment
SW-GS1	5/27/2020	NPDES Permit Sample	SGS1200527P	
SW-SL3	6/9/2020	NPDES Permit Sample	SSL3200609P	
SW-N4	5/27/2020	NPDES Permit Sample	SN4-200527P	
SW-TD1	--	Area 5 Top Deck Monitoring	--	No flow, no sample taken.
SW-TD2	--	Area 5 Top Deck Monitoring	--	No flow, no sample taken.
SW-TD4	--	Area 5 Top Deck Monitoring	--	No flow, no sample taken.
SW-TD6	--	Area 5 Top Deck Monitoring	--	No flow, no sample taken.
SW-E1	4/21/2020	East Perched Zone SW Monitoring	SE1-200421Q	
Stream Gauges	4/2/2020	Monthly Stream Gauge Level Measurement	--	
Stream Gauges	6/1/2020	Monthly Stream Gauge Level Measurement	--	

TABLE 13
CEDAR HILLS REGIONAL LANDFILL.
STORMWATER PERMIT BENCHMARKS AND EFFLUENT LIMITS

INDUSTRIAL STORMWATER GENERAL PERMIT
BENCHMARKS AND EFFLUENT LIMITS

Parameter	Units	Minimum Sampling Frequency	Benchmark	Effluent Limit	
				Monthly Average	Daily Maximum
pH	Std. Units	Quarterly	5.0 to 9.0	6.0 to 9.0	
Turbidity	NTU	Quarterly	25	--	--
Oil Sheen	Yes/No	Quarterly	None Visible	--	--
Copper, Total	ug/L	Quarterly	14	--	--
Zinc, Total	ug/L	Quarterly	117	110	200
BOD	mg/L	Quarterly	--	37	140
TSS	mg/L	Quarterly	--	27	88
Ammonia-N	mg/L	Quarterly	--	4.9	10
Alpha Terpineol	ug/L	Quarterly	--	16	33
Benzoic Acid	ug/L	Quarterly	--	71	120
4-Methylphenol*	ug/L	Quarterly	--	14	25
Phenol	ug/L	Quarterly	--	15	26

* Analytical result reported as the total of 3-Methylphenol (CAS RN 108-39-4) and 4-Methylphenol (CAS RN 106-44-5)

CONSTRUCTION STORMWATER GENERAL PERMIT
BENCHMARKS

Parameter	Units	Minimum Sampling Frequency	Benchmark
Turbidity	NTU	Weekly	25

TABLE 14
CEDAR HILLS REGIONAL LANDFILL.
STORMWATER PERMIT CRITERIA EXCEEDANCES
(Data Collected from April 1, 2020 - June 30, 2020)

SUMMARY OF ISGP* EXCEEDANCES

Parameter	Units	Sampling Location	Date	Value	Regulatory Limit	Type
No Stormwater Exceedances for this Quarter						

*ISGP - Industrial General Stormwater Permit

SUMMARY OF CSWGP* EXCEEDANCES

Parameter	Units	Sampling Location	Date	Value	Permit Limit	Type
No Stormwater Exceedances for this Quarter						

*CSWGP - Construction Stormwater General Permit

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Table 15

Water Quality Standards for Groundwaters of the State of Washington

	Analyte	CAS No.	Ground Water Quality Criteria Criterion*	
I.	PRIMARY AND SECONDARY CONTAMINANTS AND RADIONUCLIDES			
	A. Primary Contaminants			
	Barium	7440-39-3	1	mg/L
	Cadmium	7440-43-9	0.005	mg/L
	Chromium	7440-47-3	0.05	mg/L
	Lead	7439-92-1	0.015	mg/L
	Mercury	7439-97-6	0.002	mg/L
	Selenium	7782-49-2	0.01	mg/L
	Silver	7440-22-4	0.05	mg/L
	Fluoride	16984-48-8	4	mg/L
	Nitrate	14797-55-8	10	mg/L
	Endrin	72-20-8	0.2	ug/L
	Methoxychlor	72-43-5	40	ug/L
	1,1,1-Trichloroethane	71-55-6	200	ug/L
	2,4-D	94-75-7	70	ug/L
	2,4,5-TP	93-72-1	100	ug/L
	Total Coliforms		1/100	mL
	B. Secondary Standards			
	Copper	7440-50-8	1	mg/L
	Iron	7439-89-6	0.3	mg/L
	Manganese	7439-96-5	0.05	mg/L
	Zinc	7440-66-6	5	mg/L
	Chloride	16887-00-6	250	mg/L
	Sulfate	14808-79-8	250	mg/L
	Total Dissolved Solids		500	mg/L
	Foaming Agents		0.5	mg/L
	pH	12408-02-5	6.5-8.5	units
	Corrosivity		non-corrosive	
	Color		15	units
	Odor-Threshold		3	units
	C. Radionuclides and Radioactivity			
	Gross Alpha particle activity		15	pCi/L
	Gross Beta particle activity		50	pCi/L
	Tritium	10028-17-8	20,000	pCi/L
	Strontium	7440-24-6	8	pCi/L
	Radium 226 & Radium 228		5	pCi/L
	Radium 226	13982-63-3	3	pCi/L
II.	CARCINOGENS			
	1,1-Dichloroethane	75-34-3	1	ug/L
	1,2-Dichloroethane	107-06-2	0.5	ug/L
	1,2-Dichloropropane	78-87-5	0.6	ug/L
	1,2-Dimethylhydrazine	540-73-8	60	ug/L
	1,2-Diphenylhydrazine	122-66-7	0.09	ug/L
	1,3-Dichloropropene tot.	542-75-6	0.2	ug/L
	1,4-Dichlorobenzene	106-46-7	4	ug/L
	1,4-Dioxane	123-91-1	7	ug/L
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	0.0000006	ug/L
	2,4,6-Trichlorophenol	88-06-2	4	ug/L
	2,4-Dinitrotoluene	121-14-2	0.1	ug/L
	2,4-Toluenediamine	95-80-7	0.002	ug/L
	2,6-Dinitrotoluene	606-20-2	0.1	ug/L
	2-Methoxy-5-nitroanaline	99-59-2	2	ug/L
	2-Methylaniline	95-53-4	0.2	ug/L
	2-Methylaniline hydrochloride	636-21-5	0.5	ug/L
	3,3'-Dichlorobenzidine	91-94-1	0.2	ug/L
	3,3'-Dimethoxybenzidine	119-90-4	6	ug/L
	3,3-Dimethylbenzidine	119-93-7	0.007	ug/L
	4,4'-Methylene bis(N,N'-dimethyl) aniline	101-61-1	2	ug/L
	4-Chloro-2-methyl analine	95-69-2	0.1	ug/L
	4-Chloro-2-methyl analine hydrochloride	3165-93-3	0.2	ug/L
	Acrylamide	79-06-1	0.02	ug/L
	Acrylonitrile	107-13-1	0.07	ug/L
	Aldrin	309-00-2	0.005	ug/L
	Aniline	62-53-3	14	ug/L
	Aramite	140-57-8	3	ug/L
	Arsenic	7440-38-2	0.00005	mg/L
	Azobenzene	103-33-3	0.7	ug/L
	Benzene	71-43-2	1	ug/L

Table 15

Water Quality Standards for Groundwaters of the State of Washington

Analyte	CAS No.	Ground Water Quality Criteria Criterion*	
Benzidine	92-87-5	0.0004	ug/L
Benzo(a)pyrene	50-32-8	0.008	ug/L
Benzotrichloride	98-07-7	0.007	ug/L
Benzyl chloride	100-44-7	0.5	ug/L
Bis(2-ethylhexyl)phthalate	117-81-7	6	ug/L
Bis(chloroethyl)ether	111-44-4	0.07	ug/L
Bis(chloromethyl)ether	542-88-1	0.0004	ug/L
Bromodichloromethane	75-27-4	0.3	ug/L
Bromoform	75-25-2	5	ug/L
Carbazole	86-74-8	5	ug/L
Carbon Tetrachloride	56-23-5	0.3	ug/L
Chlordane	5103-71-9	0.06	ug/L
Chlorodibromomethane	124-48-1	0.5	ug/L
Chloroform	67-66-3	7	ug/L
Chlorthalonil	1897-45-6	30	ug/L
DDT (includes DDE and DDD)	50-29-3, 72-55-9, 72-54-8	0.3	ug/L
Diallate	2303-16-4	1	ug/L
Dichlorovos	62-73-7	0.3	ug/L
Dieldrin	60-57-1	0.005	ug/L
Direct Black 38	1937-37-7	0.009	ug/L
Direct Blue 6	2602-46-2	0.009	ug/L
Direct Brown 95	16071-86-6	0.009	ug/L
Epichlorohydrin	106-89-8	8	ug/L
Ethyl acrylate	140-88-5	2	ug/L
Ethylene dibromide	106-93-4	0.001	ug/L
Ethylene thiourea	96-45-7	2	ug/L
Folpet	133-07-3	20	ug/L
Furazolidone	67-45-8	0.02	ug/L
Furium	531-82-8	0.002	ug/L
Furmecyclox	60568-05-0	3	ug/L
Heptachlor	76-44-8	0.02	ug/L
Heptachlor epoxide	1024-57-3	0.009	ug/L
Hexachlorobenzene	118-74-1	0.05	ug/L
Hexachlorocyclohexane (alpha)	319-84-6	0.001	ug/L
Hexachlorocyclohexane (technical)	608-73-1	0.05	ug/L
Hexachlorodibenzo-p-dioxin, mix	34465-46-8	0.00001	ug/L
Hydrazine/hydrazine sufate	302-01-2/10034-93-2	0.03	ug/L
Lindane	58-89-9	0.06	ug/L
Methylene Chloride	75-09-2	5	ug/L
Mirex	2385-85-5	0.05	ug/L
Nitrofurazone	59-87-0	0.06	ug/L
N-Nitrosodiethanolamine	1116-54-7	0.03	ug/L
N-Nitrosodiethylamine	55-18-5	0.0005	ug/L
N-Nitrosodimethylamine	62-75-9	0.002	ug/L
N-Nitroso-di-n-butylamine	924-16-3	0.02	ug/L
N-Nitroso-di-n-propylamine	621-64-7	0.01	ug/L
N-Nitrosodiphenylamine	86-30-6	17	ug/L
N-Nitroso-N-methylethylylamine	10595-95-6	0.004	ug/L
N-Nitrosopyrrolidine	930-55-2	0.04	ug/L
o-Chloronitrobenzene	88-73-3	3	ug/L
o-Phenylenediamine	95-54-5	0.005	ug/L
o-Toluidine	95-53-4	0.2	ug/L
p,a,a,a-Tetrachlorotoluene	5216-25-1	0.004	ug/L
PAHs [Benzo(a)pyrene]		0.01	ug/L
PBBs	59536-65-1	0.01	ug/L
PCBs c	27323-18-8	0.01	ug/L
p-Chloronitrobenzene	100-00-5	5	ug/L
Propylene oxide	75-56-9]	0.01	ug/L
Tetrachloroethylene	127-18-4	0.8	ug/L
Toxaphene c	8001-35-2	0.08	ug/L
Trichloroethylene (TCE)	79-01-6	3	ug/L
Trimethyl phosphate	512-56-1	2	ug/L
Vinyl chloride	75-01-4	0.02	ug/L

NOTES: pCi/L=picocuries per liter
mg/L=milligrams per liter
ug/L=micrograms per liter
*Ground Water Quality Criteria=173-200 WAC Water Quality Standards for Ground Waters of the State of Washingto

TABLE 16
CEDAR HILLS REGIONAL LANDFILL.
LAB DATA REVIEW - SUSPECT DATA
(Data Collected from April 1, 2020 - June 30, 2020)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value	Cause of Unuseability
ACETONE	ug/L	MW-95	05/11/20	W95-200504-	3.55	Method Blank Contaminants
	ug/L	MW-103	05/11/20	W103200505-	3.71	Method Blank Contaminants
CHLORIDE	mg/l	MW-101	05/13/20	W101200513-	2.13	Field Blank Contamination
	mg/l	MW-86	05/13/20	W86-200513-	4.42	Field Blank Contamination
COPPER, Dissolved	mg/L	MW-101	05/13/20	W101200513-	0.000371	Field Blank Contamination
	mg/L	MW-86	05/13/20	W86-200513-	0.000229	Field Blank Contamination
COPPER, Total	mg/L	MW-101	05/13/20	W101200513-	0.000611	Field Blank Contamination
MANGANESE, Total	mg/L	MW-101	05/13/20	W101200513-	0.676	Field Blank Contamination
	mg/L	MW-86	05/13/20	W86-200513-	0.022	Field Blank Contamination
TOTAL DISSOLVED SOLIDS	mg/L	MW-101	05/13/20	W101200513-	298	Field Blank Contamination
TOTAL SUSPENDED SOLIDS	mg/L	MW-56	05/04/20	W56-200504-	0.5 GU	Field Blank Contamination
	mg/L	MW-59	05/04/20	W59-200504-	4.53	Field Blank Contamination
	mg/L	MW-95	05/04/20	W95-200504-	1 GU	Field Blank Contamination
VANADIUM, Dissolved	mg/L	MW-101	05/13/20	W101200513-	0.000221	Field Blank Contamination
	mg/L	MW-86	05/13/20	W86-200513-	0.000184	Field Blank Contamination
VANADIUM, Total	mg/L	MW-56	05/04/20	W56-200504-	0.00019	Field Blank Contamination
	mg/L	MW-95	05/05/20	W95-200504-	0.000303	Field Blank Contamination
	mg/L	MW-101	05/13/20	W101200513-	0.00026	Field Blank Contamination
	mg/L	MW-86	05/13/20	W86-200513-	0.00042	Field Blank Contamination
ZINC, Dissolved	mg/L	MW-56	05/04/20	W56-200504-	0.00184	Field Blank Contamination
	mg/L	MW-59	05/04/20	W59-200504-	0.00115	Field Blank Contamination
	mg/L	MW-95	05/04/20	W95-200504-	0.00122	Field Blank Contamination
	mg/L	MW-101	05/13/20	W101200513-	0.00142	Field Blank Contamination

TABLE 16
CEDAR HILLS REGIONAL LANDFILL.
LAB DATA REVIEW - SUSPECT DATA
(Data Collected from April 1, 2020 - June 30, 2020)

	mg/L	MW-86	05/13/20	W86-200513-	0.00191	Field Blank Contamination
ZINC, Total	mg/L	MW-56	05/04/20	W56-200504-	0.00128	Field Blank Contamination
	mg/L	MW-59	05/04/20	W59-200504-	0.000956	Field Blank Contamination
	mg/L	MW-95	05/04/20	W95-200504-	0.00129	Field Blank Contamination
	mg/L	MW-101	05/13/20	W101200513-	0.00229	Field Blank Contamination
	mg/L	MW-86	05/13/20	W86-200513-	0.000781	Field Blank Contamination

See Data Qualifier List for Qualifier Information.
G = Estimated with low bias (Coliform; BOD; All other chemistry parameters)

APPENDIX A

Potentiometric Surface Maps and Aquifer Flow Calculations

King County

Water and Land Resources Division

Department of Natural Resources and Parks

King Street Center
201 South Jackson Street, Suite 704
Seattle, WA 98104-3855

206-477-4800 Fax 206-296-0192
TTY Relay: 711

TECHNICAL MEMORANDUM

August 11, 2020

TO: Subrina Tahsin, Engineer II, Facility Engineering and Science Section, Solid Waste Division, Department of Natural Resources and Parks (DNRP)

FM: Sevin Bilir, Environmental Scientist IV, Science and Technical Support Section, Water and Land Resources Division, DNRP

RE: Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations
Second Quarter 2020 Results
Cedar Hills Regional Landfill, King County, Washington
Project No. 1126980 – Task 25.106

The King County Water and Land Resources Division (WLRD) submits this memorandum report on groundwater conditions during the second quarter of 2020 for the regional aquifer beneath the Cedar Hills Regional Landfill (Landfill), in accordance with the *Proposal for Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations* (WLRD, 2020). King County Solid Waste Division (SWD) personnel measured regional aquifer groundwater levels at the Landfill on April 2, 2020. These measurements were received by WLRD on June 2, 2020 and were used to:

1. Evaluate the potentiometric groundwater surface elevation for the regional aquifer;
2. Determine the groundwater flow direction and horizontal gradient for the regional aquifer; and
3. Calculate the groundwater velocity of the regional aquifer.

There have been no significant changes in the interpreted regional aquifer groundwater conditions since the report submitted for the first quarter of 2020.

Groundwater Elevation Data

The SWD measured regional aquifer groundwater level measurements at 40 monitoring wells during the second quarter of 2020. These wells are completed in the regional

aquifer as referred to in *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill* (Aspect, 2010).

Table A-1 lists the groundwater monitoring well identifications, locations, construction details, measured depth to groundwater levels and calculated groundwater elevations for monitoring wells screened in the regional aquifer. Water level measurements at monitoring well MW-69 remain unobtainable due to a damaged well. Due to an error in the measurement taken for well MW-94 during the April 2 monitoring event, the static water level taken on May 12, 2020, prior to sampling, is used in this report. A total of 22 wells had measured water levels within ten feet of the top of the screened interval and were used for mapping potentiometric surface contours.

Figure A-1 shows calculated groundwater elevations at well locations and interpreted groundwater potentiometric surface contours for the regional aquifer based on measurements taken during the second quarter of 2020.

Direction of Groundwater Flow

Interpreted groundwater flow directions in the regional aquifer, based on measurements taken on April 2, 2020, are shown in Figure A-1. Calculated groundwater elevations during the second quarter of 2020 indicate that groundwater in the regional aquifer generally flows to the:

- northeast and north-northeast in the *northern portion* of the Landfill,
- north and north-northwest beneath the *central portion* of the Landfill, and
- north beneath the *southern portion* of the Landfill with minor components of flow to the north-northwest and north-northeast.

Table A-2 lists the flow direction for each portion of the regional aquifer beneath the Landfill based on measurements taken during the second quarter of 2020 and mapping of groundwater elevation contours.

Groundwater Parameters

Table A-2 presents a summary of the groundwater parameters. Mean horizontal hydraulic conductivity and effective porosity values were based on the ranges referred to in *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill* (Aspect, 2010). The mean horizontal hydraulic conductivity for the regional aquifer beneath the Landfill is 60 feet per day (ft/d) in the northern and central portions and 0.18 ft/d in the southern portion of the regional aquifer beneath the Landfill (Aspect 2010). Average effective porosities are 24 and 26 percent, respectively for the same areas (Aspect 2010).

The hydraulic gradient is greatest under the southern portion of the Landfill (0.014 ft/ft) and slightly lower under the rest of the Landfill based on measurements made during the second quarter of 2020.

Average horizontal groundwater velocities for the regional aquifer beneath the Landfill, are based on spatial differences in aquifer parameters, hydraulic gradients, and calculations using the following formula:

where:

$$v = \frac{1}{n_{eff}} K \frac{\Delta H}{\Delta L}$$

v = Groundwater velocity [L/t]
n_{eff} = Effective porosity [dimensionless]
K = Hydraulic conductivity [L/t]
$\frac{\Delta H}{\Delta L}$ = Hydraulic gradient [L/L]

The mean horizontal groundwater velocities for the regional aquifer beneath the Landfill, are lowest under the southern portion of the Landfill (0.010 ft/d) and much greater under the rest of the Landfill (up to 2.08 ft/d under the central portion).

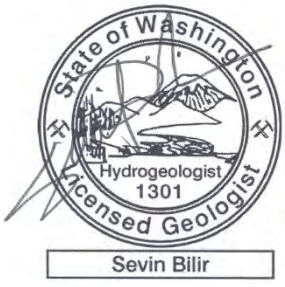
References

Aspect Consulting, LLC. (Aspect). 2010. Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill. Unpublished work. April 30.

King County Water and Land Resources Division (WLRD). 2020. Proposal for 2019 Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations; King County Closed Landfills (Cedar Falls, Enumclaw, Hobart and Vashon Island) and Cedar Hills Regional Landfill. February.

Thank you for the opportunity to provide hydrogeologic services to SWD. If you have any questions, please feel free to contact me at 206-477-4646 or sevin.bilir@kingcounty.gov.

Sincerely,



Sevin Bilir, WA LHG
Environmental Scientist IV
King County Water and Land Resources Division

Enclosures:

Table A-1: Well Details and Groundwater Elevations – Second Quarter 2020

Table A-2: Groundwater Parameters – Second Quarter 2020

Figure A-1: Groundwater Potentiometric Surface Map – Second Quarter 2020 – Regional Aquifer

Table A-1: Well Details and Groundwater Elevations – Second Quarter 2020
Cedar Hills Regional Landfill
King County, Washington

							April 2, 2020	
	Well Identification	Easting[2] (ft)	Northing[2] (ft)	Top of Casing Elevation (ft MSL[3])	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Measured Depth to Water[1] (ft)	Groundwater Elevations (ft MSL)
Wells with water levels within 10 ft of the top of screen	MW-60	1701154.47	167873.20	567.15	334.81	325.81	223.44	343.71
	MW-64	1701980.27	168772.19	596.55	334.03	320.23	265.61	330.94
	MW-66	1699750.19	174250.32	531.28	294.39	280.59	238.51	292.77
	MW-67	1701776.69	172610.65	516.43	297.80	284.00	220.41	296.02
	MW-68	1701917.32	170609.35	647.07	311.29	292.29	332.59	314.48
	MW-72	1698229.92	170987.71	671.87	303.63	294.03	361.25	310.62
	MW-73	1698954.95	174995.59	485.70	288.11	278.81	190.73	294.97
	MW-74R	1700386.85	173813.79	531.26	289.90	280.40	239.80	291.46
	MW-76	1700376.23	167193.13	491.71	351.06	341.56	134.05	357.66
	MW-81	1702568.87	172113.99	493.66	309.19	300.19	184.22	309.44
	MW-82	1699553.72	167725.31	474.85	348.88	339.38	120.78	354.07
	MW-83	1697939.89	167212.27	496.81	350.19	340.69	143.24	353.57
	MW-84	1698602.89	173894.54	530.80	292.46	282.96	236.13	294.67
	MW-85	1701828.95	173694.52	531.76	282.56	273.06	245.33	286.43
	MW-86	1701331.25	174917.90	536.04	283.43	274.63	249.08	286.96
	MW-87	1700670.27	173493.76	537.31	283.68	274.38	248.03	289.28
	MW-88	1701807.87	174303.06	513.68	281.52	272.22	226.76	286.92
	MW-93	1702259.35	169851.24	632.15	319.87	310.07	308.63	323.52
	MW-94[4]	1698674.21	167210.22	495.51	357.22	348.52	140.00	355.51
	MW-95	1697265.32	169426.92	571.54	314.60	305.90	251.21	320.33
	MW-100	1700791.72	169610.46	620.32	319.06	309.06	297.73	322.59
	MW-106	1702536.99	173461.69	475.47	280.04	270.04	189.67	285.80
Wells with water levels greater than 10 ft above the top of screen	MW-21	1697901.86	173876.38	420.66	263.22	255.22	125.25	295.41
	MW-22P	1701844.34	173088.17	517.09	236.02	231.22	231.88	285.21
	MW-24	1699582.39	167767.76	475.99	286.76	281.76	144.40	331.59
	MW-43	1701274.23	174327.14	547.06	245.63	235.63	262.88	284.18
	MW-54	1702154.28	168435.53	580.43	250.25	228.25	277.92	302.51
	MW-56	1698980.77	167214.82	480.33	323.15	313.15	124.21	356.12
	MW-57	1699993.32	167201.99	456.64	326.65	311.65	99.50	357.14
	MW-58A	1699006.59	167207.16	479.27	270.05	260.05	148.40	330.87
	MW-59	1699983.91	167193.44	457.13	285.08	275.08	121.74	335.39
	MW-65	1701602.10	167146.55	545.83	317.71	308.91	208.30	337.53
	MW-75	1701059.70	173432.42	532.40	271.10	261.00	244.96	287.44
	MW-80	1701309.78	172964.99	530.41	279.17	269.67	238.80	291.61
	MW-89	1701799.57	174319.44	512.82	229.20	219.90	231.30	281.52
	MW-90	1702203.13	174300.67	502.22	235.16	226.16	220.47	281.75
	MW-91	1701023.09	173423.94	532.02	260.81	240.71	246.39	285.63
	MW-99	1702556.06	172098.73	493.64	221.77	212.77	200.22	293.42
	WS-NPW-1	1701906.96	171138.99	646.33	282.80	267.90	333.43	312.90
	WS-NPW-3	1701922.88	170663.28	645.81	285.00	273.90	332.70	313.11
Other	MW-69[5]	1698061.86	172400.20	653.69	293.57	279.97	NM	NA

Notes:

NM Not measured. NA Not applicable.

1. Water level measurements made by SWD personnel.
2. Reference datum for northing and easting coordinates is the North American Datum of 1927 (NAD 27)
3. Elevations reported in feet (ft) above mean sea level (MSL) based on the National Geodetic Vertical Datum of 1929 (NGVD 29).
4. Static water level from start of sampling event on May 12, 2020 reported here due to monitoring event water level recorded incorrectly.
5. Damaged well. No access to water level during monitoring event.

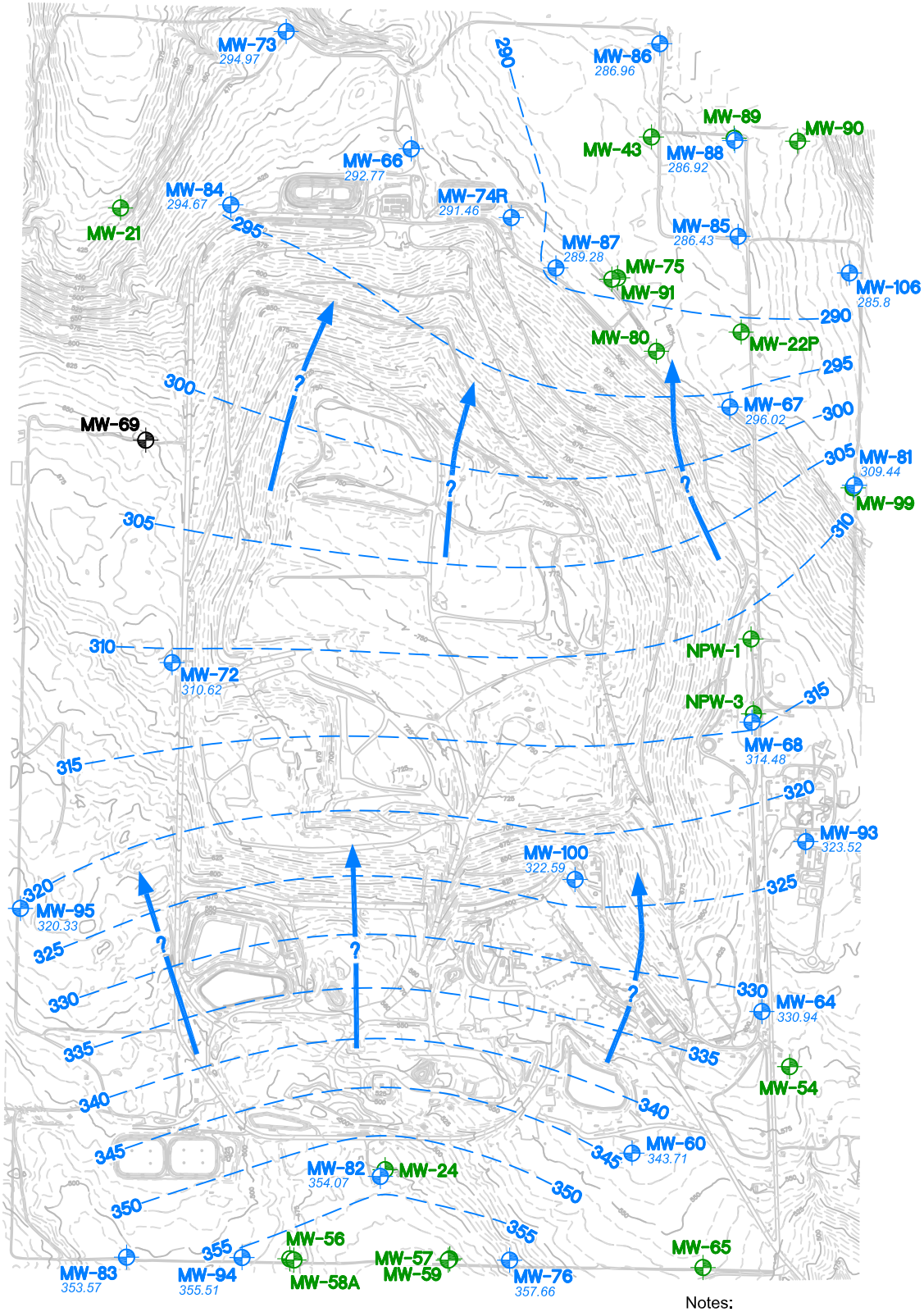
Table A-2: Groundwater Parameters – Second Quarter 2020
Cedar Hills Regional Landfill
King County, Washington

Regional Aquifer Zone Beneath the Landfill	Horizontal Hydraulic Conductivity[1,3] (*K*) Range	(cm/s)	(ft/d)	Horizontal Hydraulic Gradient[2] (DH/DL) (ft/ft)	Effective Porosity[1] (n_{eff})	Horizontal Groundwater Velocity (*v*) (ft/d)	General Groundwater Flow Direction
Northern	Minimum	2.10E-03	6	0.0075	24%	0.19	NNE, NE
	Maximum	4.20E-02	120			3.74	
	Mean	2.10E-02	60			1.87	
Central	Minimum	2.10E-03	6	0.0083	24%	0.21	N, NNW
	Maximum	4.20E-02	120			4.16	
	Mean	2.10E-02	60			2.08	
Southern	Minimum	6.40E-06	0.018	0.014	26%	0.001	N, NNE, NNW
	Maximum	6.40E-04	1.8			0.097	
	Mean	6.40E-05	0.18			0.010	

Notes:

1. Horizontal hydraulic conductivity values and effective porosity values from *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill* (Aspect, 2010).
2. Hydraulic gradients measured from the potentiometric surface map shown on Figure A-1.
3. Mean hydraulic conductivity values are the geometric mean of the high and low values.

NNE, north-northeast; NNW, north-northwest; NE, northeast; N, north.



Legend

MW-X XXX.XX — Well completed in Regional Aquifer with water levels within the screen or within 10 feet of the top of screen.

MW-X — Wells completed in Regional Aquifer with water levels more than 10 feet above the top of screen.

MW-X — Wells completed in Regional Aquifer - Data not used or no measurement this quarter.

300 — Regional Aquifer Groundwater Elevation Contour *(feet MSL)*.

? — Inferred Horizontal Groundwater Flow Path

0 1000 2000 *Feet*

Contour Interval 5 Feet

N

Notes:

1. Groundwater measurements made on April 2 and May 12, 2020.
2. Only wells completed in the Regional Aquifer with well screen tops within 10 feet of the water table were used for contouring.

King County

Groundwater Potentiometric Surface Map
Second Quarter 2020 - Regional Aquifer
Cedar Hills Regional Landfill
King County, Washington

DATE: June 2020	PROJECT NO. 1126980
DESIGNED BY: SB	
DRAWN BY: KK	FIGURE NO. A-1
REVISED BY: SB	

CH_2Q2020.dwg

APPENDIX B

Field and Analytical Test Results

Groundwater Field and Analytical Data

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground-Water Elevation (msl)	Comment
MW-100	4/2/2020	620.32	297.73	322.59	
MW-101	4/2/2020	474.72	30.62	444.1	
MW-102	4/2/2020	552.48	44.95	507.53	
MW-103	4/2/2020	639.08	11.65	627.43	
MW-104	4/2/2020	629.68	23.75	605.93	
MW-105	4/2/2020	521.23	19.06	502.17	
MW-106	4/2/2020	475.47	189.67	285.8	
MW-107	4/2/2020	589.029	27.75	561.279	
MW-108	4/2/2020	612.258	14.51	597.748	
MW-109	4/2/2020	638.728	8.5	630.228	
MW-110	4/2/2020	641.742	4.21	637.532	
MW-111	4/2/2020	643.797	7.74	636.057	
MW-112	4/2/2020	638.929	12.45	626.479	
MW-21	4/2/2020	420.66	125.25	295.41	
MW-22	4/2/2020	517.09	231.88	285.21	
MW-24	4/2/2020	475.99	144.4	331.59	
MW-25	4/2/2020	474.41	5.36	469.05	
MW-27A	4/2/2020	584.23	54.11	530.12	
MW-28	4/2/2020	527.75	24.48	503.27	
MW-29	4/2/2020	532.92	11.14	521.78	
MW-30A	4/2/2020	568.43	27.96	540.47	
MW-41D	4/2/2020	462.32	25.45	436.87	
MW-41S	4/2/2020	462.44	3.71	458.73	
MW-43	4/2/2020	547.06	262.88	284.18	
MW-45	4/2/2020	488.4	13.83	474.57	
MW-47	4/2/2020	634.6	16.48	618.12	
MW-48	4/2/2020	594.49	44.28	550.21	
MW-50	4/2/2020	637.02	30.3	606.72	
MW-54	4/2/2020	580.43	277.92	302.51	
MW-55	4/2/2020	652.29	27.78	624.51	
MW-56	4/2/2020	480.33	124.21	356.12	
MW-57	4/2/2020	456.64	99.5	357.14	
MW-58A	4/2/2020	479.27	148.4	330.87	
MW-59	4/2/2020	457.13	121.74	335.39	
MW-60	4/2/2020	567.15	223.44	343.71	
MW-62	4/2/2020	556.21	50.96	505.25	
MW-63	4/2/2020	515.88	13.48	502.4	
MW-64	4/2/2020	596.55	265.61	330.94	
MW-65	4/2/2020	545.83	208.3	337.53	
MW-66	4/2/2020	531.28	238.51	292.77	
MW-67	4/2/2020	516.43	220.41	296.02	
MW-68	4/2/2020	647.07	332.59	314.48	
MW-69	4/2/2020	653.69			Damaged.
MW-72	4/2/2020	671.87	361.25	310.62	
MW-73	4/2/2020	485.7	190.73	294.97	
MW-74R	4/2/2020	531.26	239.8	291.46	

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill --- Groundwater Elevation Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground-Water Elevation (msl)	Comment
MW-75	4/2/2020	532.4	244.96	287.44	
MW-76	4/2/2020	491.71	134.05	357.66	
MW-79	4/2/2020	459.17			
MW-80	4/2/2020	530.41	238.8	291.61	
MW-81	4/2/2020	493.66	184.22	309.44	
MW-82	4/2/2020	474.85	120.78	354.07	
MW-83	4/2/2020	496.81	143.24	353.57	
MW-84	4/2/2020	530.8	236.13	294.67	
MW-85	4/2/2020	531.76	245.33	286.43	
MW-86	4/2/2020	536.04	249.08	286.96	
MW-87	4/2/2020	537.31	248.03	289.28	
MW-88	4/2/2020	513.68	226.76	286.92	
MW-89	4/2/2020	512.82	231.3	281.52	
MW-90	4/2/2020	502.22	220.47	281.75	
MW-91	4/2/2020	532.02	246.39	285.63	
MW-93	4/2/2020	632.15	308.63	323.52	
MW-94	4/2/2020	495.51	149.23	346.28	
MW-95	4/2/2020	571.54	251.21	320.33	
MW-98	4/2/2020	503.73	16.49	487.24	
MW-99	4/2/2020	493.64	200.22	293.42	
MW-EB5	4/2/2020	645.36	37.55	607.81	
MW-EB5S	4/2/2020	645.77	7.46	638.31	
MW-EB6	4/2/2020	589.61	26.77	562.84	
WS-NPW-1	4/2/2020	646.33	333.43	312.9	
WS-NPW-3	4/2/2020	645.81	332.70	313.11	

Environmental Monitoring Data

Data Collected from April 1, 2020 to June 30, 2020
Cedar Hills Landfill --- Groundwater Field Parameters
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	pH (Field) (std. Units)	Conductance (Field) (umhos/cm)	Temperature (Field) (^{o}C)	Purge Volume (Field) (gal)	Dissolved Oxygen (Field) (mg/L)	ORP (Field) mV
MW-100	W100200513-	5/13/2020	6.91	284.4	11.1	5	1.02	75.7
MW-101	W101200513-	5/13/2020	6.65	402.9	10.85		1.88	57.9
MW-102	W102200416-	4/16/2020	7.16	158.8	10.19	1.75	2.44	109.4
MW-103	W103200505-	5/5/2020	8.1	222.8	10.5	1.5	2.19	145.9
MW-104	W104200416-	4/16/2020	7.36	350.2	11.13	1.25	3.36	68.5
MW-107	W107200408-	4/8/2020	5.75	229.2	11.33	1.25	0.74	99.6
MW-108	W108200409-	4/9/2020	6.51	330.6	10.26	2	5.03	195.7
MW-109	W109200505-	5/5/2020	7.42	464.1	11.5	1	0.56	-154.1
MW-110	W110200414-	4/14/2020	6.31	720	11.14	1.25	0.73	72.3
MW-111	W111200413-	4/13/2020	5.45	78	8.82	0.75	6.86	245.2
MW-112	W112200409-	4/9/2020	7.58	260.3	11.47	1.1	0.64	11.4
MW-21	W21-200513-	5/13/2020	8.04	145.5	9.73	2.4	0.91	-178
MW-24	W24-200430-	4/30/2020	7.01	167.4	9.4	3.5	0.65	-61.5
MW-30A	W30A200408-	4/8/2020	6.55	233.6	11.75	1.75	9.77	197.7
MW-47	W47-200408-	4/8/2020	6.67	1007	10.46	1	0.9	5.9
MW-50	W50-200421-	4/21/2020	7.51	291.3	10.95	1	5.86	130.1
MW-56	W56-200504-	5/4/2020	6.61	204.7	9.26	24		
MW-59	W59-200504-	5/4/2020	7.02	192.8	9.98	2.5	1.03	-54
MW-62	W62-200511-	5/11/2020	6.44	146.6	11.47	4		
MW-64	W64-200512-	5/12/2020	7.07	225.4	11.69	4	1.69	107.4
MW-65	W65-200511-	5/11/2020	7.65	139.4	9.68	5.5	0.97	7.5
MW-66	W66-200429-	4/29/2020	6.94	198.9	10.22	2.75	5.05	175.8
MW-67	W67-200511-	5/11/2020	6.92	345.2	9.64	4.5	1.95	44.3
MW-68	W68-200409-	4/9/2020	6.79	261.6	10.3	5	0.61	31.9
MW-72	W72-200430-	4/30/2020	6.89	322.6	10.37	4.5	1.75	-11
MW-73	W73-200429-	4/29/2020	6.72	125.3	9.36	3.5	9.71	192.5
MW-74R	W74R200512-	5/12/2020	6.9	510	10.59		5.07	143.2
MW-75	W75-200512-	5/12/2020	6.79	350.6		4	0.79	-43.2
MW-76	W76-200512-	5/12/2020	6.43	279.4	10	2.6	4.53	318.2
MW-80	W80-200409-	4/9/2020	6.92	298.9	10	5.25	0.7	-36.9
MW-81	W81-200512-	5/12/2020	7.17	149.3	9.78	2.75	5.82	153.6
MW-82	W82-200430-	4/30/2020	6.83	286	9.57	3	8.66	140.7
MW-83	W83-200512-	5/12/2020	6.76	581.7	10.85	3.5	1.1	218.2
MW-85	W85-200514-	5/14/2020	6.97	340.3	9.55	3	3.28	147.4
MW-86	W86-200513-	5/13/2020	6.9	183.4	9.24		1.25	6.9
MW-87	W87-200512-	5/12/2020	6.69	493.3	10.4	3	0.69	-19.8
MW-88	W88-200514-	5/14/2020	6.89	115.5	9.34	3	5.91	200.9
MW-89	W89-200514-	5/14/2020	7.21	232.4	9.52	3	2.37	-48
MW-93	W93-200513-	5/13/2020	7.14	327.3	11.15	4.8	1.08	220.8
MW-94	W94-200512-	5/12/2020	6.64	333.2	10.01	2.25	5.22	276.9
MW-95	W95-200504-	5/4/2020	7.14	209.3	9.15	3.75	0.97	145.1
MW-EB6	WB6-200408-	4/8/2020	6.34	118.3	9.49	3		

Environmental Monitoring Data

Data Collected from April 1, 2020 to June 30, 2020
Cedar Hills Landfill --- Groundwater Field Parameters
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Turbidity (Field) NTU
MW-100	W100200513-	5/13/2020	236
MW-101	W101200513-	5/13/2020	8.34
MW-102	W102200416-	4/16/2020	8.62
MW-103	W103200505-	5/5/2020	8.1
MW-104	W104200416-	4/16/2020	5.66
MW-107	W107200408-	4/8/2020	1.62
MW-108	W108200409-	4/9/2020	9.06
MW-109	W109200505-	5/5/2020	29.5
MW-110	W110200414-	4/14/2020	9.91
MW-111	W111200413-	4/13/2020	6.31
MW-112	W112200409-	4/9/2020	0.51
MW-21	W21-200513-	5/13/2020	3.5
MW-24	W24-200430-	4/30/2020	0.93
MW-30A	W30A200408-	4/8/2020	1.05
MW-47	W47-200408-	4/8/2020	1.43
MW-50	W50-200421-	4/21/2020	
MW-56	W56-200504-	5/4/2020	0.32
MW-59	W59-200504-	5/4/2020	0.38
MW-62	W62-200511-	5/11/2020	
MW-64	W64-200512-	5/12/2020	7.93
MW-65	W65-200511-	5/11/2020	12
MW-66	W66-200429-	4/29/2020	0.79
MW-67	W67-200511-	5/11/2020	41.8
MW-68	W68-200409-	4/9/2020	6.31
MW-72	W72-200430-	4/30/2020	20.2
MW-73	W73-200429-	4/29/2020	1.64
MW-74R	W74R200512-	5/12/2020	0.43
MW-75	W75-200512-	5/12/2020	1.62
MW-76	W76-200512-	5/12/2020	0.51
MW-80	W80-200409-	4/9/2020	0.58
MW-81	W81-200512-	5/12/2020	0.35
MW-82	W82-200430-	4/30/2020	2.78
MW-83	W83-200512-	5/12/2020	1.43
MW-85	W85-200514-	5/14/2020	0.69
MW-86	W86-200513-	5/13/2020	37.3
MW-87	W87-200512-	5/12/2020	2.36
MW-88	W88-200514-	5/14/2020	1.3
MW-89	W89-200514-	5/14/2020	5.55
MW-93	W93-200513-	5/13/2020	0.35
MW-94	W94-200512-	5/12/2020	0.41
MW-95	W95-200504-	5/4/2020	0.14
MW-EB6	WB6-200408-	4/8/2020	3.37

Environmental Monitoring Data

Data Collected from April 1, 2020 to June 30, 2020
Cedar Hills Landfill --Groundwater Conventionals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Alkalinity, Total ($CaCO_3$) (mg/L)	Ammonia, (NH_3) (mg/L)	Chloride (mg/L)	Nitrate-Nitrogen, (NO_3 as N) (mg/L)	Specific Conductance (umhos/cm)	Sulfate (SO4) (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Solids (mg/L)	Suspended Solids (mg/L)
MW-100	W100200513-	5/13/2020	121	0.009 T	3.03	0.01 U	284	14.7	180	0.5 U	212	50
MW-101	W101200513-	5/13/2020	234	0.0054 T	2.13	0.034 T	460	3.01	298	4.18	295	3.7
MW-102	W102200416-	4/16/2020	67.2	0.002 U	3.77	1.34	182	8.12	123	1.04	137	11.2
MW-103	W103200505-	5/5/2020	122	0.0065 T	5.57	0.023 T	279	7.72	186	0.5 U	205	33.3
MW-104	W104200416-	4/16/2020	77.5	0.0032 T	1.64	0.036 T	404	106	258	0.63 T	267	2.52
MW-107	W107200408-	4/8/2020	103	1.08	6.83	0.01 T	258	6.48	153	3.07	164	4
MW-108	W108200409-	4/9/2020	128	0.002 U	1.81	0.794	389	51.9	253	0.85 T	282	
MW-109	W109200505-	5/5/2020	3610	0.525	3.5 T	0.1 U	5610	0.22 T	3500	112 S	4390	4.84 G
MW-110	W110200414-	4/14/2020	413	0.0854	2.02	0.01 U	812	7.3	483	2.42	510	9.19
MW-111	W111200413-	4/13/2020	24.6	0.002 U	0.858	0.516	92.1	10.2	74	1.06	80.7	2.22
MW-112	W112200409-	4/9/2020	112	0.0183	4.64	0.103	303	27.9	195	0.66 T	199	0.5 U
MW-21	W21-200513-	5/13/2020	59.9	0.0553	2.22	0.01 U	145	6.31	94.7	0.5 U	88	0.6 T
MW-24	W24-200430-	4/30/2020	67	0.0318	4.86	0.01 U	185	13.4	113	0.5 U	126	0.5 U
MW-30A	W30A200408-	4/8/2020	74.1	0.002 U	0.908	11.8	267	6.08	189	0.69 T	191	0.5 U
MW-47	W47-200408-	4/8/2020	591	0.0322	5.09	0.01 U	1120	6.31	673	3.56	701	5.85
MW-50	4/21/2020	W50-200421-	149	0.0036 T	1.87	0.078	326	9.79	210	1.07	218	6.6
MW-56	W56-200504-	5/4/2020	68.2	0.002 U	17.9	1.01	231	7.88	141	0.97 T	155	0.5 GU
MW-59	W59-200504-	5/4/2020	68.3	0.0058 T	9.69	0.01 U	208	14.6	133	0.5 U	151	4.53
MW-62	W62-200511-	5/11/2020	44.7	0.002 U	4.63	2.75	163	11.6	175	0.66 T	138	0.9 T
MW-64	W64-200512-	5/12/2020	102	0.0214	2.7	0.013 T	251	18.2	166	0.5 U	176	6.6
MW-65	W65-200511-	5/11/2020	50.4	0.0054 T	4.65	0.01 T	141	8.69	97	0.5 U	112	3.1
MW-66	W66-200429-	4/29/2020	86.4	0.002 U	4.12	0.405	223	12.9	139	0.5 U	151	0.91 U
MW-67	W67-200511-	5/11/2020	162	0.0066 T	4.85	0.075	383	25.4	245	0.5 U	262	9.4
MW-68	W68-200409-	4/9/2020	123	0.0158	2.98	0.01 U	289	14.4	185	0.52 T	179	2.42
MW-72	W72-200430-	4/30/2020	127	0.0168	6.8	0.01 U	359	37.8	218	0.5 U	244	10.6
MW-73	W73-200429-	4/29/2020	51.1	0.002 U	2.23	1.13	140	7.63	99.3	0.5 U	107	4.5
MW-74R	W74R200512-	5/12/2020	219	0.002 U	26.4	0.248	579	35.4	343	0.53 T	361	0.5 U
MW-75	W75-200512-	5/12/2020	111	0.009 T	11	0.01 U	391	59.8	256	0.5 U	269	1.6
MW-76	W76-200512-	5/12/2020	87.8	0.002 U	21.3	0.209	289	13.3	182	3.31	186	0.5 U
MW-80	W80-200409-	4/9/2020	116	0.0095 T	4.36	0.01 U	324	33.9	199	0.52 T	208	0.5 U
MW-81	W81-200512-	5/12/2020	55.9	0.002 U	4.93	1.56	170	9.86	121	0.5 U	119	0.5 U
MW-82	W82-200430-	4/30/2020	122	0.002 U	11.4	0.821	324	15.4	199	0.54 T	219	5.8
MW-83	W83-200512-	5/12/2020	181	0.0022 T	61.8	0.681	601	10.6	371	4.69	392	0.5 U
MW-85	W85-200514-	5/14/2020	141	0.002 U	10.5	0.1	386	32.3	233	0.5 U	235	1 U
MW-86	W86-200513-	5/13/2020	69.8	0.002 U	4.42	0.013 T	206	20	126 H	0.5 U	134 H	8.6
MW-87	W87-200512-	5/12/2020	107	0.0171	14.3	0.01 U	544	134	382	0.5 U	408	2.7
MW-88	W88-200514-	5/14/2020	50.8	0.002 U	1.73	0.758	131	5.94	92	0.5 U	84.7	0.5 U
MW-89	W89-200514-	5/14/2020	86.4	0.0191	12.8	0.01 U	260	17.7	167	0.5 U	167	3.7
MW-93	W93-200513-	5/13/2020	120	0.0577	2.75	0.013 T	336	39.2	216	0.5 U	215	0.5 U
MW-94	W94-200512-	5/12/2020	120	0.002 U	21.4	0.614	344	8.44	221	2.94	222	0.5 U
MW-95	W95-200504-	5/4/2020	89.7	0.0256	6.13	0.01 U	242	15.2	147	0.5 U	156	1 GU
MW-EB6	WB6-200408-	4/8/2020	58.6	0.0816	0.627	0.065	137	5.32	96.7	1.36	104	8.13

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill -- Groundwater Metals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Antimony, dissolved (mg/L)	Antimony, total (mg/L)	Arsenic, dissolved (mg/L)	Arsenic, total (mg/L)	Barium, dissolved (mg/L)	Barium, total (mg/L)	Beryllium, dissolved (mg/L)	Beryllium, total (mg/L)	Cadmium, dissolved (mg/L)	Cadmium, total (mg/L)	Calcium, dissolved (mg/L)	Calcium, total (mg/L)	Chromium, dissolved (mg/L)	Chromium total (mg/L)	Cobalt, dissolved (mg/L)	Cobalt, total (mg/L)
MW-100	W100200513-	5/13/2020	0.0003 U	0.0003 U	0.000442	0.0165	0.00558	0.0108	0.0001 U	0.000123	5E-05 U	5E-05 U	25.7	25.9	0.0002 U	0.000673	0.000186	5.71E-04
MW-101	W101200513-	5/13/2020	0.0003 U	0.0003 U	0.00413	0.00591	0.0149	0.0161	0.0001 U	0.0001 U	5E-05 U	5E-05 U	44.6	43.8	0.0002 U	0.000219	0.000209	0.000349
MW-102	W102200416-	4/16/2020	0.0003 U	0.0003 U	0.000241	0.000323	0.00499	0.00706	0.0001 U	0.0001 U	5E-05 U	5E-05 U	16.3	16.2	0.000222	0.000938	5E-05 U	0.00023
MW-103	W103200505-	5/5/2020	0.0003 U	0.0003 U	0.00443	0.00523	0.0104	0.0208	0.0001 U	0.0001 U	5E-05 U	5E-05 U	25.8	25.3	0.000237	0.00273	0.0000733	0.00064
MW-104	W104200416-	4/16/2020	0.000501	5.27E-04	0.00174	0.00169	0.0195	0.0201	0.0001 U	0.0001 U	5E-05 U	5E-05 U	38.3	37.9	0.000716	1.28E-03	5E-05 U	0.00011
MW-107	W107200408-	4/8/2020	0.0003 U	0.0003 U	0.00226	0.00232	0.0127	0.013	0.0001 U	0.0001 U	5E-05 U	5E-05 U	25.3	25.2	0.000276	3.12E-04	0.00237	0.00238
MW-108	W108200409-	4/9/2020	0.0003 U	0.000321	0.0018	0.00193	0.0128	0.0147	0.0001 U	0.0001 U	5E-05 U	5E-05 U	28.1	28.1	0.000591	0.00113	5E-05 U	0.000187
MW-109	W109200505-	5/5/2020	0.000674 D	0.000867 D	3.77E-02	0.0433	0.112	0.145	0.000746	0.000987	5E-05 U	0.0000501	30.1	29.8	0.12	0.122	0.00104	0.00173
MW-110	W110200414-	4/14/2020	0.0003 U	0.0003 U	0.00495	0.00918	0.0323	0.0347	0.0001 U	0.0001 U	0.0000618	0.0000914	70.4	71	0.0002 U	0.000268	4.18E-03	0.00422
MW-111	W111200413-	4/13/2020	0.0003 U	0.0003 U	0.000532	0.00064	0.00456	0.00541	0.0001 U	0.0001 U	5E-05 U	5E-05 U	7.82	7.79	0.00161	1.90E-03	5E-05 U	0.0000525
MW-112	W112200409-	4/9/2020	0.0003 U	0.0003 U	0.00301	0.00301	0.00978	0.00963	0.0001 U	0.0001 U	5E-05 U	5E-05 U	27.9	27.3	0.0003	0.000283	5E-05 U	5E-05 U
MW-21	W21-200513-	5/13/2020	0.0003 U	0.0003 U	0.000937	0.000893	0.00531	0.005	0.0001 U	0.0001 U	5E-05 U	5E-05 U	12.5	12.3	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-24	W24-200430-	4/30/2020	0.0003 U	0.0003 U	0.000597	0.000613	0.00208	0.0021	0.0001 U	0.0001 U	5E-05 U	5E-05 U	14.8	14.5	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-30A	W30A200408-	4/8/2020	0.0003 U	0.0003 U	0.000452	0.000495	0.00396	0.00424	0.0001 U	0.0001 U	5E-05 U	5E-05 U	20.3	20.1	0.000599	0.000636	5E-05 U	5E-05 U
MW-47	W47-200408-	4/8/2020	0.0003 U	0.0003 U	0.00162	0.00313	0.0361	0.038	0.0001 U	0.0001 U	5E-05 U	5E-05 U	119	123	0.0002 U	0.0002 U	0.000263	0.0003
MW-50	W50-200421-	4/21/2020	0.000367	0.00037	0.00466	0.00473	0.0102	0.011	0.0001 U	0.0001 U	5E-05 U	5E-05 U	29.8	29.9	0.000309	0.000451	5E-05 U	0.000165
MW-56	W56-200504-	5/4/2020	0.0003 U	0.0003 U	0.0000756	0.0000807	0.00556	0.00552	0.0001 U	0.0001 U	5E-05 U	5E-05 U	22.9	22.3	0.0002 U	0.0002 U	0.0000901	0.0000796
MW-59	W59-200504-	5/4/2020	0.0003 U	0.0003 U	0.000407	0.000423	0.00409	0.00408	0.0001 U	0.0001 U	5E-05 U	5E-05 U	17.3	16.9	0.0002 U	0.000207	5E-05 U	5E-05 U
MW-62	W62-200511-	5/11/2020	0.0003 U	0.0003 U	0.000171	0.000165	0.00243	0.00227	0.0001 U	0.0001 U	5E-05 U	5E-05 U	14.9	14.3	0.000274	0.000396	0.0000601	0.0000678
MW-64	W64-200512-	5/12/2020	0.0003 U	0.0003 U	0.000581	0.00127	0.00725	0.0188	0.0001 U	0.0001 U	5E-05 U	0.00025	19.9	19.6	0.0002 U	0.0002 U	5E-05 U	0.00224
MW-65	W65-200511-	5/11/2020	0.0003 U	0.0003 U	0.000393	0.000784	0.00575	0.00614	0.0001 U	0.0001 U	5E-05 U	5E-05 U	11.6	11.6	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-66	W66-200429-	4/29/2020	0.0003 U	0.0003 U	0.000646	0.000698	0.00397	0.00404	0.0001 U	0.0001 U	5E-05 U	5E-05 U	17.2	16.7	0.000345	0.000534	5E-05 U	5E-05 U
MW-67	W67-200511-	5/11/2020	0.0003 U	0.0003 U	0.00083	0.00386	0.0151	0.0196	0.0001 U	0.0001 U	5E-05 U	5E-05 U	36.9	37.1	0.0002 U	0.000227	0.000298	0.000655
MW-68	W68-200409-	4/9/2020	0.0003 U	0.0003 U	0.00921	0.0324	0.0109	0.0116	0.0001 U	0.0001 U	5E-05 U	5E-05 U	26.6	27.5	0.0002 U	0.0002 U	1.89E-04	0.000194
MW-72	W72-200430-	4/30/2020	0.0003 U	0.0003 U	0.0000831	0.000153	0.0119	0.0136	0.0001 U	0.0001 U	5E-05 U	5E-05 U	32.8	32.4	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-73	W73-200429-	4/29/2020	0.0003 U	0.0003 U	0.000659	0.000711	0.00238	0.0031	0.0001 U	0.0001 U	5E-05 U	5E-05 U	12.6	12.2	0.000267	0.000332	5E-05 U	5E-05 U
MW-74R	W74R200512-	5/12/2020	0.0003 U	0.0003 U	0.000382	0.000383	0.0135	0.0131	0.0001 U	0.0001 U	5E-05 U	5E-05 U	49.8	49.2	0.0002 U	0.000245	5E-05 U	5E-05 U
MW-75	W75-200512-	5/12/2020	0.0003 U	0.0003 U	0.000447	0.000456	0.0128	0.0126	0.0001 U	0.0001 U	5E-05 U	5E-05 U	32.8	32.1	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-76	W76-200512-	5/12/2020	0.0003 U	0.0003 U	0.00023	0.000215	0.00463	0.00446	0.0001 U	0.0001 U	5E-05 U	5E-05 U	26.4	25.9	0.000529	0.000506	7.52E-05	0.0000757
MW-80	W80-200409-	4/9/2020	0.0003 U	0.0003 U	0.00359	0.0037	0.0149	0.0151	0.0001 U	0.0001 U	5E-05 U	5E-05 U	31.4	31.2	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-81	W81-200512-	5/12/2020	0.0003 U	0.0003 U	0.000544	0.000528	0.00319	0.00318	0.0001 U	0.0001 U	5E-05 U	5E-05 U	14.2	14.1	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-82	W82-200430-	4/30/2020	0.0003 U	0.0003 U	0.000225	0.00028	0.00143	0.00201	0.0001 U	0.0001 U	5E-05 U	5E-05 U	30.3	29.1	0.000832	0.00353	5E-05 U	0.0000719
MW-83	W83-200512-	5/12/2020	0.0003 U	0.0003 U	0.000333	0.00031	0.00729	0.00705	0.0001 U	0.0001 U	5E-05 U	5E-05 U	62.5	59.1	0.0002 U	0.000241	0.000119	0.000108
MW-85	W85-200514-	5/14/2020	0.0003 U	0.0003 U	0.000716	0.000695	0.00696	0.00682	0.0001 U	0.0001 U	5E-05 U	5E-05 U	34.7	34.3	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-86	W86-200513-	5/13/2020	0.0003 U	0.0003 U	0.000758	0.00685	0.00563	0.00616	0.0001 U	0.0001 U	5E-05 U	5E-05 U	15.7	16	0.0002 U	0.0002 U	0.0000747	0.0000971
MW-87	W87-200512-	5/12/2020	0.0003 U	0.0003 U	0.000552	0.000718	0.0264	0.0258	0.0001 U	0.0001 U	5E-05 U	5E-05 U	47.9	48.1	0.0002 U	0.0002 U	0.000154	0.000159
MW-88	W88-200514-	5/14/2020	0.0003 U	0.0003 U	0.00104	0.00101	0.00213	0.00212	0.0001 U	0.0001 U	5E-05 U	5E-05 U	9.43	9.33	0.00069	0.000662	5E-05 U	5E-05 U
MW-89	W89-200514-	5/14/2020	0.0003 U	0.0003 U	0.000939	0.0024	0.0081	0.00901	0.0001 U	0.0001 U	5E-05 U	5E-05 U	19	18.9	0.0002 U	0.0002 U	5E-05 U	5E-05 U
MW-93	W93-200513-	5/13/2020	0.0003 U	0.0003 U	0.00141	0.00134	0.00779	0.0079	0.0001 U	0.0001 U	5E-05 U	5E-05 U	32.8	32.4	0.0002 U	0.0002 U	0.0000728	0.000111
MW-94	W94-200512-	5/12/2020	0.0003 U	0.0003 U	0.000138	0.000135	0.00221	0.00211	0.0001 U	0.0001 U	5E-05 U	5E-05 U	36.1	34	0.000228	0.0002 U	0.000104	0.000106
MW-95	W95-200504-	5/4/2020	0.0003 U	0.0003 U	0.000993	0.00102	0.00423	0.00407	0.0001 U	0.0001 U	5E-05 U	5E-05 U	22.4	21.8	0.0002 U	0.0002 U	0.0000693	0.0000703
MW-EB6	WB6-200408-	4/8/2020	0.0003 U	0.0003 U	0.00442	0.00409	0.00678	0.008	0.0001 U	0.0001 U	0.0000537	0.0000774	6.62	6.87	0.0002 U	3.39E-04	3.09E-04	0.000334

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill -- Groundwater Metals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Copper, dissolved (mg/L)	Copper, total (mg/L)	Iron, dissolved (mg/L)	Iron, total (mg/L)	Lead, dissolved (mg/L)	Lead, total (mg/L)	Magnesium, dissolved (mg/L)	Magnesium, total (mg/L)	Manganese, dissolved (mg/L)	Manganese, total (mg/L)	Mercury, dissolved (mg/L)	Mercury, total (mg/L)	Nickel, dissolved (mg/L)	Nickel, total (mg/L)	Potassium, dissolved (mg/L)	Potassium, total (mg/L)
MW-100	W100200513-	5/13/2020	0.0002 U	0.00131	0.756	20.4	0.0001 U	0.000512	15	15	0.132	0.226	5E-05 DU	5E-05 U	0.000421	0.001	1.72	1.73
MW-101	W101200513-	5/13/2020	0.000371	0.000611	0.279	0.963	0.0001 U	0.000157	25	25.2	0.577	0.676	5E-05 U	5E-05 U	0.00313	0.00351	2.49	2.53
MW-102	W102200416-	4/16/2020	0.000353	0.00086	0.0152	0.333	0.0001 U	0.000222	6.12	6.19	0.000712	0.00663	5E-05 DU	5E-05 DU	0.000466	0.000749	1.09	1.15
MW-103	W103200505-	5/5/2020	0.000433	0.00365	0.0854	1.2	0.0001 U	0.000877	11.8	11.8	0.0796	0.315	5E-05 U	5E-05 U	0.00035 D	0.00201	2.63	2.89
MW-104	W104200416-	4/16/2020	0.000478	0.000925	0.01 U	0.219	0.0001 U	0.000118	15.4	15.5	0.00587	0.0179	5E-05 DU	5E-05 DU	0.000266	0.000571	3.83	3.84
MW-107	W107200408-	4/8/2020	0.000875	0.000963	1.61	1.62	0.0001 U	0.0001 U	7.7	7.64	2.23	2.19	5E-05 U	5E-05 U	0.0045	0.0045	2.93	2.89
MW-108	W108200409-	4/9/2020	0.000506	0.00205	0.01 U	0.442	0.0001 U	0.000155	10.4	10.4	0.0035	0.0102	5E-05 U	5E-05 U	0.000538	0.001	1.63	1.67
MW-109	W109200505-	5/5/2020	0.0108	0.0339	11.7	14.9	0.000818	0.00258	18.2	17.7	1.43 D	1.52 D	5E-05 U	5E-05 U	0.0106 D	0.0135 D	3.53	3.64
MW-110	W110200414-	4/14/2020	0.000426	0.000539	0.749	1.57	0.0001 U	0.000131	36	36.1	3.85	3.91	5E-05 U	5E-05 U	0.00539	0.00559	3.14	3.16
MW-111	W111200413-	4/13/2020	0.000368	0.000427	0.01 U	0.186	0.0001 U	0.0001 U	2.32	2.36	0.00634	0.00616	5E-05 U	5E-05 U	0.0017	0.00192	0.285	0.295
MW-112	W112200409-	4/9/2020	0.0002 U	0.0002 U	0.01 U	0.0112	0.0001 U	0.0001 U	13.3	13.1	0.135	0.136	5E-05 U	5E-05 U	0.000234	0.000207	2.89	2.85
MW-21	W21-200513-	5/13/2020	0.0002 U	0.0002 U	1.97	2.17	0.0001 U	0.0001 U	6.87	6.76	0.114	0.114	5E-05 DU	5E-05 U	0.000104	0.000132	1.12	1.11
MW-24	W24-200430-	4/30/2020	0.0002 U	0.0002 U	3.05	3.12	0.0001 U	0.0001 U	9.4	9.34	0.0978	0.0989	5E-05 U	5E-05 U	0.0001 DU	0.000111	0.989	0.993
MW-30A	W30A200408-	4/8/2020	0.000216	0.00042	0.01 U	0.0773	0.0001 U	0.0001 U	11	10.6	0.0001 U	0.00138	5E-05 U	5E-05 U	0.000643	0.000717	1.47	1.47
MW-47	W47-200408-	4/8/2020	0.0002 U	0.0002 U	3.1	3.89	0.0001 U	0.0001 U	57.7	59.8	2.23	1.88	5E-05 U	5E-05 U	0.00155	0.00169	4.69	4.96
MW-50	W50-200421-	4/21/2020	0.000868	0.00111	0.0178	0.113	0.0001 U	0.0001 U	13.1	13.2	0.00162	0.0105	5E-05 DU	5E-05 DU	0.000316	0.000673	6.01	6.01
MW-56	W56-200504-	5/4/2020	0.000233	0.0002 U	0.0107	0.0262	0.0001 U	0.0001 U	9.84	9.62	0.0905	0.0916	5E-05 U	5E-05 U	0.000749 D	0.000733	1.11	1.09
MW-59	W59-200504-	5/4/2020	0.0002 U	0.0002 U	4.14	4.26	0.0001 U	0.0001 U	10.7	10.4	0.126	0.129	5E-05 U	5E-05 U	0.0001 DU	0.000201	1.13	1.13
MW-62	W62-200511-	5/11/2020	0.000267	0.00173	0.01 U	0.0457	0.0001 U	0.0001 U	3.83	3.87	0.00101	0.00216	5E-05 DU	5E-05 U	0.000581	0.000604	0.817	0.808
MW-64	W64-200512-	5/12/2020	0.0002 U	0.000959	0.0211	0.343	0.0001 U	0.0001 U	15	15.1	0.0401	2.06	5E-05 U	5E-05 U	0.000301	0.00654	1.74	1.73
MW-65	W65-200511-	5/11/2020	0.0002 U	0.0002 U	3.36	4.68	0.0001 U	0.0001 U	6.78	6.93	0.191	0.201	5E-05 DU	5E-05 U	0.000133	0.000124	0.926	0.938
MW-66	W66-200429-	4/29/2020	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	13.5	13.1	0.0001 U	0.000212	5E-05 U	5E-05 U	0.000157 D	0.000533	1.15	1.14
MW-67	W67-200511-	5/11/2020	0.0002 U	0.000495	0.785	4.19	0.0001 U	0.000184	20.9	21.2	0.38	0.801	5E-05 DU	5E-05 U	0.000448	0.000708	1.8	1.84
MW-68	W68-200409-	4/9/2020	0.000688	0.00119	0.597	1.26	0.0001 U	0.0001 U	14.4	14.5	0.304	0.305	5E-05 U	5E-05 U	0.000438	0.000419	1.65	1.72
MW-72	W72-200430-	4/30/2020	0.0002 U	0.000218	3.08	5.54	0.0001 U	0.0001 U	19.8	19.7	0.378	0.397	5E-05 U	5E-05 U	0.0001 DU	0.0001 U	1.93	1.96
MW-73	W73-200429-	4/29/2020	0.0002 U	0.000578	0.01 U	0.0922	0.0001 U	0.0001 U	6.49	6.19	0.0001 U	0.00178	5E-05 U	5E-05 U	0.000211 D	0.000283	0.815	0.816
MW-74R	W74R200512-	5/12/2020	0.000286	0.000328	0.01 U	0.01 U	0.0001 U	0.0001 U	36.2	37	0.0001 U	0.000148	5E-05 U	5E-05 U	0.000934	0.000994	2.22	2.23
MW-75	W75-200512-	5/12/2020	0.0002 U	0.0002 U	2.52	2.55	0.0001 U	0.0001 U	23	23.4	0.217	0.217	5E-05 U	5E-05 U	0.0001 U	0.0001 U	2.04	2.01
MW-76	W76-200512-	5/12/2020	0.00172	0.00168	0.01 U	0.01 U	0.0001 U	0.0001 U	12.1	11.9	0.0001 U	0.000113	5E-05 DU	5E-05 U	0.000602	0.000621	1.65	1.63
MW-80	W80-200409-	4/9/2020	0.0002 U	0.0002 U	2.18	2.22	0.0001 U	0.0001 U	15.8	15.9	0.342	0.354	5E-05 U	5E-05 U	0.0001 U	0.0001 U	1.7	1.69
MW-81	W81-200512-	5/12/2020	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	7.51	7.71	0.000304	0.000298	5E-05 U	5E-05 U	0.000133	0.000168	0.862	0.872
MW-82	W82-200430-	4/30/2020	0.000288	0.000419	0.035	0.315	0.0001 U	0.000112	17.5	17.2	0.000754	0.00302	5E-05 U	5E-05 U	0.00227 D	0.0054	1.87	1.87
MW-83	W83-200512-	5/12/2020	0.0022	0.00209	0.01 U	0.01 U	0.0001 U	0.0001 U	27.5	27.7	0.118	0.129	5E-05 U	5E-05 U	0.00217	0.0021	3.28	3.23
MW-85	W85-200514-	5/14/2020	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	21.3	21.3	0.0001 U	0.0001 U	5E-05 DU	5E-05 U	0.000251	0.000232	1.76	1.73
MW-86	W86-200513-	5/13/2020	0.000229	0.0002 U	0.717	4.21	0.0001 U	0.0001 U	10.9	11	0.0192	0.022	5E-05 DU	5E-05 U	0.000466	0.000131	1.29	1.32
MW-87	W87-200512-	5/12/2020	0.0002 U	0.0002 U	4.62	5.02	0.0001 U	0.0001 U	32.3	31.8	0.553	0.557	5E-05 DU	5E-05 U	0.00017	0.000177	2.5	2.48
MW-88	W88-200514-	5/14/2020	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	6.97	6.91	0.0001 U	0.000155	5E-05 DU	5E-05 U	0.0001 U	0.000237	0.851	0.848
MW-89	W89-200514-	5/14/2020	0.0002 U	0.000484	1.22	2.37	0.0001 U	0.0001 U	13.8	13.8	0.28	0.279	5E-05 DU	5E-05 U	0.0001 U	0.000128	1.73	1.74
MW-93	W93-200513-	5/13/2020	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	16.8	17	0.188	0.211	5E-05 DU	5E-05 U	0.000214	0.000257	1.59	1.59
MW-94	W94-200512-	5/12/2020	0.00125	0.00122	0.01 U	0.01 U	0.0001 U	0.0001 U	15.6	15.4	0.000152	0.000242	5E-05 U	5E-05 U	0.000661	0.000681	2.57	2.5
MW-95	W95-200504-	5/4/2020	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	11.7	11.7	0.168	0.17	5E-05 U	5E-05 U	0.000211 D	0.0002	1.23	1.25
MW-EB6	WB6-200408-	4/8/2020	0.0023	0.00397	0.0668	0.174	0.0001 U	0.0003	3.51	3.59	0.0168	0.0169	5E-05 U	5E-05 U	0.00182	0.00192	1.05	1.08

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Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill -- Groundwater Metals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Selenium, dissolved (mg/L)	Selenium, total (mg/L)	Silver, dissolved (mg/L)	Silver, total (mg/L)	Sodium, dissolved (mg/L)	Sodium, total (mg/L)	Thallium, dissolved (mg/L)	Thallium, total (mg/L)	Vanadium, dissolved (mg/L)	Vanadium, total (mg/L)	Zinc, dissolved (mg/L)	Zinc, total (mg/L)
MW-100	W100200513-	5/13/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.76	8.72	0.0001 U	0.0001 U	0.000122	0.000535	0.000878	0.00826
MW-101	W101200513-	5/13/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	18.5	19.2	0.0001 U	0.0001 U	0.000221	0.00026	0.00142	0.00229
MW-102	W102200416-	4/16/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	10.4	10.7	0.0001 U	0.0001 U	0.00102	0.00161	0.000735	0.00164
MW-103	W103200505-	5/5/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	12.9	13.4	0.0001 U	0.0001 U	0.000756	0.00296	0.0018	0.00504
MW-104	W104200416-	4/16/2020	0.00051	0.0005 U	4E-05 U	0.000095	18.4	18.8	0.0001 U	0.0001 U	0.0025	0.00275	0.000698	0.00143
MW-107	W107200408-	4/8/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	10.7	10.7	0.0001 U	0.0001 U	0.00026	0.000299	0.00235	0.00238
MW-108	W108200409-	4/9/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	41.5	42.9	0.0001 U	0.0001 U	3.37E-03	0.00402	0.00249	0.00416
MW-109	W109200505-	5/5/2020	0.00227	0.00308	4E-05 U	0.0000421	1490 D	1510 D	0.0001 U	0.0001 U	0.413 D	0.434 D	0.0032	0.0056
MW-110	W110200414-	4/14/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	54.8	54.4	0.0001 U	0.0001 U	0.000275	0.000625	0.00178	0.00233
MW-111	W111200413-	4/13/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.9	5.87	0.0001 U	0.0001 U	0.000808	0.00118	0.00121	0.00129
MW-112	W112200409-	4/9/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	18	18	0.0001 U	0.0001 U	0.000859	0.000805	0.0005 U	0.000713
MW-21	W21-200513-	5/13/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.08	6.02	0.0001 U	0.0001 U	7.5E-05 U	7.5E-05 U	0.0005 U	0.0005 U
MW-24	W24-200430-	4/30/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.89	5.81	0.0001 U	0.0001 U	7.5E-05 U	7.5E-05 U	0.000652	0.000768
MW-30A	W30A200408-	4/8/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	13.8	14.2	0.0001 U	0.0001 U	0.0019	0.00202	0.00115	0.0017
MW-47	W47-200408-	4/8/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	19.6	19.1	0.0001 U	0.0001 U	0.000152	0.000251	0.000651	0.000809
MW-50	W50-200421-	4/21/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	15.1	15.1	0.0001 U	0.0001 U	0.00311	0.00325	0.0005 U	0.000776
MW-56	W56-200504-	5/4/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.25	5.98	0.0001 U	0.0001 U	0.00019	0.000286	0.00184	0.00128
MW-59	W59-200504-	5/4/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.6	6.27	0.0001 U	0.0001 U	7.5E-05 U	7.5E-05 U	0.00115	0.000956
MW-62	W62-200511-	5/11/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	11.1	10.7	0.0001 U	0.0001 U	0.000747	0.000663	0.0011	0.00169
MW-64	W64-200512-	5/12/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.11	8.25	0.0001 U	0.0001 U	0.000251	0.000798	0.00106	0.00377
MW-65	W65-200511-	5/11/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.3	5.31	0.0001 U	0.0001 U	7.5E-05 U	7.5E-05 U	0.0005 U	0.000606
MW-66	W66-200429-	4/29/2020	0.000903	0.000967	4E-05 U	4E-05 U	7.72	7.34	0.0001 U	0.0001 U	0.000699	0.000726	0.000516	0.000723
MW-67	W67-200511-	5/11/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.65	9.72	0.0001 U	0.0001 U	0.000352	0.0014	0.000989	0.00151
MW-68	W68-200409-	4/9/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.86	8.85	0.0001 U	0.0001 U	0.000188	0.000614	0.000922	0.000724
MW-72	W72-200430-	4/30/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.49	8.27	0.0001 U	0.0001 U	7.5E-05 U	0.000092	0.00137	0.00156
MW-73	W73-200429-	4/29/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.05	5.72	0.0001 U	0.0001 U	0.00121	0.0013	0.000644	0.000864
MW-74R	W74R200512-	5/12/2020	0.000752	0.000706	4E-05 U	4E-05 U	12.7	13	0.0001 U	0.0001 U	0.000605	0.00061	0.000806	0.00108
MW-75	W75-200512-	5/12/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.18	9.34	0.0001 U	0.0001 U	0.000103	7.5E-05 U	0.000568	0.00106
MW-76	W76-200512-	5/12/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	12.1	11.7	0.0001 U	0.0001 U	0.000683	0.000599	0.000861	0.000675
MW-80	W80-200409-	4/9/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.03	8.01	0.0001 U	0.0001 U	7.5E-05 U	7.5E-05 U	0.000752	0.0005 U
MW-81	W81-200512-	5/12/2020	0.000883	0.000871	4E-05 U	4E-05 U	6.59	6.72	0.0001 U	0.0001 U	0.00169	0.00167	0.000812	0.00141
MW-82	W82-200430-	4/30/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.54	8.28	0.0001 U	0.0001 U	0.00131	0.00144	0.00172	0.00122
MW-83	W83-200512-	5/12/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	12.2	12.1	0.0001 U	0.0001 U	0.000808	0.000771	0.00081	0.000867
MW-85	W85-200514-	5/14/2020	0.00091	0.000905	4E-05 U	4E-05 U	10	9.91	0.0001 U	0.0001 U	0.00104	0.000899	0.00207	0.00107
MW-86	W86-200513-	5/13/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	7.14	7.12	0.0001 U	0.0001 U	0.000184	0.00042	0.00191	0.000781
MW-87	W87-200512-	5/12/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	11.1	10.8	0.0001 U	0.0001 U	0.0000933	0.000111	0.0013	0.00151
MW-88	W88-200514-	5/14/2020	0.000537	0.000584	4E-05 U	4E-05 U	5.9	5.81	0.0001 U	0.0001 U	0.00306	0.00278	0.0005 U	0.00102
MW-89	W89-200514-	5/14/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	10.3	10.3	0.0001 U	0.0001 U	0.000166	0.000109	0.000654	0.00209
MW-93	W93-200513-	5/13/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.7	9.61	0.0001 U	0.0001 U	0.00221	0.00212	0.00175	0.00116
MW-94	W94-200512-	5/12/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.71	8.36	0.0001 U	0.0001 U	0.00128	0.00118	0.000666	0.0005 U
MW-95	W95-200504-	5/4/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.56	6.29	0.0001 U	0.0001 U	0.000303	0.000374	0.00122	0.00129
MW-EB6	WB6-200408-	4/8/2020	0.0005 U	0.0005 U	4E-05 U	4E-05 U	18.5	18.3	0.0001 U	0.0001 U	0.00402	0.00472	0.00173	0.00237

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill --- Groundwater VOAs Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	1,1,1,2-Tetrachloroethane ug/l 630-20-6	1,1,1-Trichloroethane ug/l 71-55-6	1,1,2,2-Tetrachloroethane ug/l 79-34-5	1,1,2-Trichloroethane ug/l 79-00-5	1,1-Dichloroethane ug/l 75-34-3	1,1-Dichloroethene ug/l 75-35-4	1,2,3-Trichloropropane ug/l 96-18-4	1,2-Dibromo-3-Chloropropane ug/l 96-12-8	1,2-Dibromoethane ug/l 106-93-4	1,2-Dichlorobenzene ug/l 95-50-1	1,2-Dichloroethane ug/l 107-06-2
MW-100	W100200513-	5/13/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-101	W101200513-	5/13/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-102	W102200416-	4/16/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-103	W103200505-	5/5/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-104	W104200416-	4/16/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-107	W107200408-	4/8/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.148 JT	0.1 U
MW-108	W108200409-	4/9/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-109	W109200505-	5/5/2020	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1 U	1 U	1 U
MW-110	W110200414-	4/14/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.321	0.1 U	0.1 U	2.5 U	0.1 U	1.13	0.308
MW-111	W111200413-	4/13/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-112	W112200409-	4/9/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-21	W21-200513-	5/13/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-24	W24-200430-	4/30/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-30A	W30A200408-	4/8/2020	0.25 U	0.1 U	0.1 U	0.1 U	1.53	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-47	W47-200408-	4/8/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.623	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-50	W50-200421-	4/21/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-56	W56-200504-	5/4/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-59	W59-200504-	5/4/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-62	W62-200511-	5/11/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.582	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-64	W64-200512-	5/12/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-65	W65-200511-	5/11/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-66	W66-200429-	4/29/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-67	W67-200511-	5/11/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-68	W68-200409-	4/9/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-72	W72-200430-	4/30/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-73	W73-200429-	4/29/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-74R	W74R200512-	5/12/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-75	W75-200512-	5/12/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-76	W76-200512-	5/12/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-80	W80-200409-	4/9/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-81	W81-200512-	5/12/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-82	W82-200430-	4/30/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-83	W83-200512-	5/12/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-85	W85-200514-	5/14/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-86	W86-200513-	5/13/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-87	W87-200512-	5/12/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-88	W88-200514-	5/14/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-89	W89-200514-	5/14/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-93	W93-200513-	5/13/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-94	W94-200512-	5/12/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-95	W95-200504-	5/4/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-EB6	WB6-200408-	4/8/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200408X	4/7/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200409X	4/8/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200409Z	4/8/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200413X	4/9/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200414X	4/9/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200416X	4/13/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200421X	4/14/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200429X	4/28/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200430X	4/23/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200504X	4/29/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200505Y	4/29/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200511Y	5/5/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200512X	5/11/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200512Y	5/11/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200513X	5/12/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200513Y	5/12/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200514Y	5/13/2020	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U

See Data Qualifier List for Qualifier Information

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill --- Groundwater VOAs Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	1,2-Dichloropropane ug/l 78-87-5	1,4-Dichlorobenzene ug/l 106-46-7	2-Butanone ug/l 78-93-3	2-Hexanone ug/l 591-78-6	4-Methyl-2-Pentanone ug/l 108-10-1	Acetone ug/l 67-64-1	Acrylonitrile ug/l 107-13-1	Benzene ug/l 71-43-2	Bromochloromethane ug/l 74-97-5	Bromochloromethane ug/l 75-27-4	Bromoform ug/l 75-25-2
MW-100	W100200513-	5/13/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-101	W101200513-	5/13/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-102	W102200416-	4/16/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-103	W103200505-	5/5/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	3.71 BJT	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-104	W104200416-	4/16/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-107	W107200408-	4/8/2020	0.1 U	0.831	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-108	W108200409-	4/9/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-109	W109200505-	5/5/2020	1 U	1 U	2.5 U	5 U	25 U	25 U	0.35 U	1.25 JT	1 U	2.5 U	5 U
MW-110	W110200414-	4/14/2020	0.249	0.219	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.479	0.1 U	0.25 U	0.5 U
MW-111	W111200413-	4/13/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-112	W112200409-	4/9/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-21	W21-200513-	5/13/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-24	W24-200430-	4/30/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-30A	W30A200408-	4/8/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-47	W47-200408-	4/8/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-50	W50-200421-	4/21/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-56	W56-200504-	5/4/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-59	W59-200504-	5/4/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-62	W62-200511-	5/11/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-64	W64-200512-	5/12/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-65	W65-200511-	5/11/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-66	W66-200429-	4/29/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-67	W67-200511-	5/11/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-68	W68-200409-	4/9/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-72	W72-200430-	4/30/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-73	W73-200429-	4/29/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-74R	W74R200512-	5/12/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-75	W75-200512-	5/12/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-76	W76-200512-	5/12/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-80	W80-200409-	4/9/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-81	W81-200512-	5/12/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-82	W82-200430-	4/30/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-83	W83-200512-	5/12/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-85	W85-200514-	5/14/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-86	W86-200513-	5/13/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-87	W87-200512-	5/12/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.9 JT	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-88	W88-200514-	5/14/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-89	W89-200514-	5/14/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-93	W93-200513-	5/13/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-94	W94-200512-	5/12/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-95	W95-200504-	5/4/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	3.55 BJT	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
MW-EB6	WB6-200408-	4/8/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200408X	4/7/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200409X	4/8/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200409Z	4/8/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200413X	4/9/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200414X	4/9/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200416X	4/13/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200421X	4/14/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200429X	4/28/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200430X	4/23/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200504X	4/29/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200505Y	4/29/2020	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200511Y	5/5/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200512X	5/11/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200512Y	5/11/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200513X	5/12/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200513Y	5/12/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U
VOA TRIP BLANK	VTRP200514Y	5/13/2020	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U

See Data Qualifier List for Qualifier Information

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill --- Groundwater VOAs Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Bromomethane ug/l 74-83-9	Carbon Disulfide ug/l 75-15-0	Carbon Tetrachloride ug/l 56-23-5	Chlorbenzene ug/l 108-90-7	Chlorodibromomethane ug/l 124-48-1	Chloroethane ug/l 75-00-3	Chloroform ug/l 67-66-3	Chloromethane ug/l 74-87-3	cis-1,2-Dichloroethene ug/l 156-59-2	cis-1,3-Dichloropropene ug/l 10061-01-5	Dibromomethane ug/l 74-95-3
MW-100	W100200513-	5/13/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-101	W101200513-	5/13/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.115 JT	0.25 U	0.1 U
MW-102	W102200416-	4/16/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-103	W103200505-	5/5/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-104	W104200416-	4/16/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-107	W107200408-	4/8/2020	0.1 U	0.1 U	0.25 U	0.615	0.5 U	0.1 U	0.1 U	0.25 U	0.111 JT	0.25 U	0.1 U
MW-108	W108200409-	4/9/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-109	W109200505-	5/5/2020	1 U	1 U	2.5 U	1 U	5 U	1 U	1 U	2.5 U	1 U	2.5 U	1 U
MW-110	W110200414-	4/14/2020	0.1 U	0.1 U	0.25 U	1.21	0.5 U	0.28	0.1 U	0.25 U	4.59	0.25 U	0.1 U
MW-111	W111200413-	4/13/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.167 JT	0.25 U	0.1 U
MW-112	W112200409-	4/9/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-21	W21-200513-	5/13/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-24	W24-200430-	4/30/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-30A	W30A200408-	4/8/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.67	0.25 U	0.1 U
MW-47	W47-200408-	4/8/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.289	0.1 U	0.25 U	1.63	0.25 U	0.1 U
MW-50	W50-200421-	4/21/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-56	W56-200504-	5/4/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.13	0.25 U	0.1 U
MW-59	W59-200504-	5/4/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.41	0.25 U	0.1 U
MW-62	W62-200511-	5/11/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.41	0.25 U	0.1 U
MW-64	W64-200512-	5/12/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-65	W65-200511-	5/11/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-66	W66-200429-	4/29/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-67	W67-200511-	5/11/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-68	W68-200409-	4/9/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-72	W72-200430-	4/30/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-73	W73-200429-	4/29/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-74R	W74R200512-	5/12/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-75	W75-200512-	5/12/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-76	W76-200512-	5/12/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.327	0.25 U	0.1 U
MW-80	W80-200409-	4/9/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-81	W81-200512-	5/12/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-82	W82-200430-	4/30/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-83	W83-200512-	5/12/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-85	W85-200514-	5/14/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-86	W86-200513-	5/13/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-87	W87-200512-	5/12/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-88	W88-200514-	5/14/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-89	W89-200514-	5/14/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-93	W93-200513-	5/13/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-94	W94-200512-	5/12/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-95	W95-200504-	5/4/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-EB6	WB6-200408-	4/8/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200408X	4/7/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200409X	4/8/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200409Z	4/8/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200413X	4/9/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200414X	4/9/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200416X	4/13/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200421X	4/14/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200429X	4/28/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200430X	4/23/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200504X	4/29/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200505Y	4/29/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200511Y	5/5/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200512X	5/11/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200512Y	5/11/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200513X	5/12/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200513Y	5/12/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	VTRP200514Y	5/13/2020	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U

See Data Qualifier List for Qualifier Information

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill --- Groundwater VOAs Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Dichlorodifluoromethane ug/l 75-71-8	Ethylbenzene ug/l 100-41-4	M & P Xylene ug/l MPX	Methyl Iodide ug/l 74-88-4	Methylene Chloride ug/l 75-09-2	O-Xylene ug/l 95-47-6	Styrene ug/l 100-42-5	Tetrahachloroethene ug/l 127-18-4	Toluene ug/l 108-88-3	Trans-1,2-Dichloroethene ug/l 156-60-5
MW-100	W100200513-	5/13/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-101	W101200513-	5/13/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-102	W102200416-	4/16/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-103	W103200505-	5/5/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-104	W104200416-	4/16/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-107	W107200408-	4/8/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-108	W108200409-	4/9/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-109	W109200505-	5/5/2020	1 U	1 U	1 U	2 U	25 U	1 U	1 U	1 U	292	1 U
MW-110	W110200414-	4/14/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.317
MW-111	W111200413-	4/13/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-112	W112200409-	4/9/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-21	W21-200513-	5/13/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-24	W24-200430-	4/30/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-30A	W30A200408-	4/8/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.115 JT	0.1 U	0.1 U
MW-47	W47-200408-	4/8/2020	7.85	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-50	W50-200421-	4/21/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-56	W56-200504-	5/4/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-59	W59-200504-	5/4/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-62	W62-200511-	5/11/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-64	W64-200512-	5/12/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-65	W65-200511-	5/11/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-66	W66-200429-	4/29/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-67	W67-200511-	5/11/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-68	W68-200409-	4/9/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-72	W72-200430-	4/30/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-73	W73-200429-	4/29/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-74R	W74R200512-	5/12/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-75	W75-200512-	5/12/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-76	W76-200512-	5/12/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.377	0.1 U	0.1 U
MW-80	W80-200409-	4/9/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-81	W81-200512-	5/12/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-82	W82-200430-	4/30/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-83	W83-200512-	5/12/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-85	W85-200514-	5/14/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-86	W86-200513-	5/13/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-87	W87-200512-	5/12/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-88	W88-200514-	5/14/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-89	W89-200514-	5/14/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-93	W93-200513-	5/13/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-94	W94-200512-	5/12/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-95	W95-200504-	5/4/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-EB6	WB6-200408-	4/8/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200408X	4/7/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200409X	4/8/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200409Z	4/8/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200413X	4/9/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200414X	4/9/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200416X	4/13/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200421X	4/14/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200429X	4/28/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200430X	4/23/2020	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200504X	4/29/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200505Y	4/29/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200511Y	5/5/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200512X	5/11/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200512Y	5/11/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200513X	5/12/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200513Y	5/12/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	VTRP200514Y	5/13/2020	0.1 U	0.1 U	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

See Data Qualifier List for Qualifier Information

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill --- Groundwater VOAs Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Trans-1,3-Dichloropropene ug/l 10061-02-6	Trans-1,4-Dichloro-2-Butene ug/l 110-57-6	Trichloroethene ug/l 79-01-6	Trichlorofluoromethane ug/l 75-69-4	Vinyl Acetate ug/l 108-05-4	Vinyl Chloride ug/l 75-01-4
MW-100	W100200513-	5/13/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-101	W101200513-	5/13/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.114
MW-102	W102200416-	4/16/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-103	W103200505-	5/5/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-104	W104200416-	4/16/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-107	W107200408-	4/8/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.26
MW-108	W108200409-	4/9/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-109	W109200505-	5/5/2020	5 U	5 U	1 U	1 U	1 U	0.199 JT
MW-110	W110200414-	4/14/2020	0.5 U	0.5 U	0.133 JT	0.1 U	0.1 U	0.307 D
MW-111	W111200413-	4/13/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.0113 DJT
MW-112	W112200409-	4/9/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-21	W21-200513-	5/13/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-24	W24-200430-	4/30/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-30A	W30A200408-	4/8/2020	0.5 U	0.5 U	0.836	0.1 U	0.1 U	0.0123 JT
MW-47	W47-200408-	4/8/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	7.06
MW-50	W50-200421-	4/21/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-56	W56-200504-	5/4/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-59	W59-200504-	5/4/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-62	W62-200511-	5/11/2020	0.5 U	5 U	0.103 JT	0.1 U	0.1 U	0.01 U
MW-64	W64-200512-	5/12/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-65	W65-200511-	5/11/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.0468
MW-66	W66-200429-	4/29/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-67	W67-200511-	5/11/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-68	W68-200409-	4/9/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-72	W72-200430-	4/30/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-73	W73-200429-	4/29/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-74R	W74R200512-	5/12/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-75	W75-200512-	5/12/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-76	W76-200512-	5/12/2020	0.5 U	5 U	7.42	0.1 U	0.1 U	0.01 U
MW-80	W80-200409-	4/9/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-81	W81-200512-	5/12/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-82	W82-200430-	4/30/2020	0.5 U	5 U	4.82	0.1 U	0.1 U	0.01 U
MW-83	W83-200512-	5/12/2020	0.5 U	5 U	1.64	0.1 U	0.1 U	0.01 U
MW-85	W85-200514-	5/14/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-86	W86-200513-	5/13/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-87	W87-200512-	5/12/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-88	W88-200514-	5/14/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-89	W89-200514-	5/14/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-93	W93-200513-	5/13/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-94	W94-200512-	5/12/2020	0.5 U	5 U	2.42	0.1 U	0.1 U	0.01 U
MW-95	W95-200504-	5/4/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-EB6	WB6-200408-	4/8/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200408X	4/7/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200409X	4/8/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200409Z	4/8/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200413X	4/9/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	VTRP200414X	4/9/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	VTRP200416X	4/13/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	VTRP200421X	4/14/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	VTRP200429X	4/28/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200430X	4/23/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200504X	4/29/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200505Y	4/29/2020	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200511Y	5/5/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200512X	5/11/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200512Y	5/11/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200513X	5/12/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200513Y	5/12/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	VTRP200514Y	5/13/2020	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U

See Data Qualifier List for Qualifier Information

Storm and Surface Water Field and Analytical Data

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---Surface Water Elevation-Staff Gage Measurements
Contact Person: Sendy Jimenez (206) 477-5224

Staff Gage	Location	Date	Reference Elevation Staff Gage 0' (msl)	Reference Elevation Top of Peizo (msl)	Depth to Water (Peizometer) (feet)	Staff Gage Reading (feet)	Surface Water Elevation (msl)	Comments
SW-G1	SW-W1	4/2/2020	415.38	418.84		0.49	415.87	
SW-G1	SW-W1	6/1/2020	415.38	418.84		0.47	415.85	
SW-G2	SW-N1	4/2/2020	355.68	358.21		0.52	356.20	
SW-G2	SW-N1	6/1/2020	355.68	358.21		0.43	356.11	
SW-G3	SW -V	4/2/2020	466.46	469.88				DRY @ 5.52
SW-G3	SW -V	6/1/2020	466.46	469.88	5.5		464.38	
SW-G4	Upstream of SW-E1	4/2/2020	502.41	505.85		0.37	502.78	
SW-G4	Upstream of SW-E1	6/1/2020	502.41	505.85		0.27	502.68	
SW-G5	SW-E1	4/2/2020	486.92	490.34		0.59	487.51	
SW-G5	SW-E1	6/1/2020	486.92	490.34		0.58	487.50	
SW-G6	Upstream of SW-GS1	4/2/2020	490.72	494.12	2.75		491.37	
SW-G6	Upstream of SW-GS1	6/1/2020	490.72	494.12	2.97		491.15	
SW-G7	SW-S2	4/2/2020	453.03	456.41		0.8	453.83	
SW-G7	SW-S2	6/1/2020	453.03	456.41		0.84	453.87	
SW-G8	Upstream of SW-S1	4/2/2020	510.61	515.56		0.33	510.94	
SW-G8	Upstream of SW-S1	6/1/2020	510.61	515.56		0.25	510.86	
SW-G9	SW-S1	4/2/2020	490.93	494.35		0.58	491.51	
SW-G9	SW-S1	6/1/2020	490.93	494.35		0.48	491.41	

May stream gage data was not collected due to staffing issues during COVID-19

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---Surface Water Field Parameters
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	pH (Field) (std. Units)	Spec. Conductance (Field) (umho/cm)	Temperature (Field) (^{o}C)	Turbidity (Field) (NTU)	Dissolved Oxygen, (Field) (mg/L)
SW-E1	SE1-200421Q	4/21/2020	6.13	48	9.11	2.17	7.6
SW-GS1	SGS1200527P	5/27/2020	6.67	133.8	14.27	1.64	6.14
SW-N4	SN4-200527P	5/27/2020	7.63	138.5	14.9	3.25	10.21
SW-SL3	SSL3200609P	6/9/2020	6.74	129	11.83	14.2	9.17

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---Surface Water ISGP Analytes
Contact Person: Sendy Jimenez (206) 477-5224

Site	Sample ID	Date	Ammonia, (NH3) (mg/L)	Biological Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)	Zinc, total (mg/L)
SW-GS1	SGS1200527P	5/27/2020	0.0237	2 U	1 U	0.000727
SW-N4	SN4-200527P	5/27/2020	0.0159	2 U	2.5	0.0109
SW-SL3	SSL3200609P	6/9/2020	0.0096 T	2 U	5.8	0.00543

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---Surface Water VOAs Analytes
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	3-,4-Methylphenol mixture 15831-10-4 (ug/L)	Alpha-Terpineol 98-55-5 (ug/L)	Benzoic Acid 65-85-0 (ug/L)	Phenol 108-95-2 (ug/L)
SW-GS1	SGS1200527P	5/27/2020	0.476 U	0.476 U	9.52 U	0.476 U
SW-N4	SN4-200527P	5/27/2020	0.476 U	0.476 U	9.52 U	0.476 U
SW-SL3	SSL3200609P	6/9/2020	0.5 U	0.5 U	10 U	0.5 U

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

No Sample - No flow			1,1,1,2-TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2,2-TETRACHLOROETHANE	1,1,2-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE	1,2,3-TRICHLOROPROPANE	1,2-DIBROMO-3-CHLOROPROPANE	1,2-DIBROMOETHANE	1,2-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,2-DICHLOROPROPANE	1,4-DICHLOROBENZENE	2-BUTANONE
			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4	96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5	106-46-7	78-93-3
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Site	Date	Sample ID	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SW-E1	4/21/2020	SE1-200421Q	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

No Sample - No flow			2-HEXANONE	4-METHYL-2-PENTANONE	ACETONE	ACRYLONITRILE	ALKALINITY, TOTAL (AS CACO3)	AMMONIA AS N	ANTIMONY	ANTIMONY	ARSENIC	ARSENIC	BARIUM	BARIUM	BENZENE
			591-78-6	108-10-1	67-64-1	107-13-1	ALK	7664-41-7	7440-36-0	7440-36-0	7440-38-2	7440-38-2	7440-39-3	7440-39-3	71-43-2
			ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l
Site	Date	Sample ID	N	N	N	N	N	N	D	T	D	T	D	T	N
SW-E1	4/21/2020	SE1-200421Q	0.5 U	2.5 U	2.5 U	0.035 U	19.3	0.0135	0.0003 U	0.0003 U	0.000345	0.000371	0.00346	0.00394	0.1 U

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

No Sample - No flow			BERYLLIUM	BERYLLIUM	BROMOCHLOROMETHANE	BROMODICHLOROMETHANE	BROMOFORM	BROMOMETHANE	CADMIUM	CADMIUM	CALCIUM	CALCIUM	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLORIDE
			7440-41-7	7440-41-7	74-97-5	75-27-4	75-25-2	74-83-9	7440-43-9	7440-43-9	7440-70-2	7440-70-2	75-15-0	56-23-5	16887-00-6
			mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	mg/l
Site	Date	Sample ID	D	T	N	N	N	N	D	T	D	T	N	N	N
SW-E1	4/21/2020	SE1-200421Q	0.0001 U	0.0001 U	0.1 U	0.25 U	0.5 U	0.1 U	5E-05 U	5E-05 U	5.73	5.72	0.1 U	0.25 U	1.63

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

No Sample - No flow			CHLOROBENZENE	CHLORODIBROMOMETHANE	CHLOROETHANE	CHLOROFORM	CHLOROMETHANE	CHROMIUM	CHROMIUM	CIS-1,2-DICHLOROETHENE	CIS-1,3-DICHLOROPROPENE	COBALT	COBALT	COPPER	COPPER	DIBROMOMETHANE
			108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	7440-47-3	7440-47-3	156-59-2	10061-01-5	7440-48-4	7440-48-4	7440-50-8	7440-50-8	74-95-3
			ug/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l
Site	Date	Sample ID	N	N	N	N	N	D	T	N	N	D	T	D	T	N
SW-E1	4/21/2020	SE1-200421Q	0.1 U	0.5 U	0.1 U	0.169 JT	0.25 U	0.0002 U	0.000258	0.1 U	0.25 U	6.58E-05	8.26E-05	0.000575	0.00078	0.1 U

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

No Sample - No flow			DICHLORODIFLUOROMETHANE	ETHYLBENZENE	IRON	IRON	LEAD	LEAD	M & P XYLENE	MAGNESIUM	MAGNESIUM	MANGANESE	MANGANESE	MERCURY	MERCURY	METHYL IODIDE
			75-71-8	100-41-4	7439-89-6	7439-89-6	7439-92-1	7439-92-1	MPX	7439-95-4	7439-95-4	7439-96-5	7439-96-5	7439-97-6	7439-97-6	74-88-4
			ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l
Site	Date	Sample ID	N	N	D	T	D	T	N	D	T	D	T	D	T	N
SW-E1	4/21/2020	SE1-200421Q	0.1 U	0.1 U	0.0802	0.123	0.0001 U	0.000145	0.1 U	1.23	1.25	0.0513	0.0532	5E-05 DU	5E-05 DU	0.1 U

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

No Sample - No flow			METHYLENE CHLORIDE	NICKEL	NICKEL	NITRATE	O-XYLENE	POTASSIUM	POTASSIUM	SELENIUM	SELENIUM	SILVER	SILVER	SODIUM	SODIUM	SPECIFIC CONDUCTANCE
			75-09-2	7440-02-0	7440-02-0	14797-55-8	95-47-6	7440-09-7	7440-09-7	7782-49-2	7782-49-2	7440-22-4	7440-22-4	7440-23-5	7440-23-5	COND
			ug/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	umhos/cm
Site	Date	Sample ID	N	D	T	N	N	D	T	D	T	D	T	D	T	N
SW-E1	4/21/2020	SE1-200421Q	2.5 U	0.000288	0.000357	0.064	0.1 U	0.429	0.429	0.0005 U	0.0005 U	4E-05 U	4E-05 U	2.82	2.89	54.6

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

No Sample - No flow			STYRENE	SULFATE	TETRACHLOROETHENE	THALLIUM	THALLIUM	TOLUENE	TOTAL DISSOLVED SOLIDS	TOTAL ORGANIC CARBON	TOTAL SOLIDS	TOTAL SUSPENDED SOLIDS	TRANS-1,2-DICHLOROETHENE	TRANS-1,3-DICHLOROPROPENE	TRANS-1,4-DICHLORO-2-BUTENE	TRICHLOROETHENE
			100-42-5	14808-79-8	127-18-4	7440-28-0	7440-28-0	108-88-3	TDS	TOC	TS	TSS	156-60-5	10061-02-6	110-57-6	79-01-6
			ug/l	mg/l	ug/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l
Site	Date	Sample ID	N	N	N	D	T	N	N	N	N	N	N	N	N	N
SW-E1	4/21/2020	SE1-200421Q	0.1 U	1.17	0.1 U	0.0001 U	0.0001 U	0.1 U	56	2.65	61	1 U	0.1 U	0.5 U	5 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---SW-E1 Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

No Sample - No flow			TRICHLOROFLUOROMETHANE	VANADIUM	VANADIUM	VINYL ACETATE	VINYL CHLORIDE	ZINC	ZINC
			75-69-4	7440-62-2	7440-62-2	108-05-4	75-01-4	7440-66-6	7440-66-6
			ug/l	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l
Site	Date	Sample ID	N	D	T	N	N	D	T
SW-E1	4/21/2020	SE1-200421Q	0.1 U	0.000382	0.000444	0.1 U	0.01 DU	0.00174	0.00232

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR000756 - DMR Submission Id: 1736101 - 8/13/2020 10:26:46 AM

Company Name	Signer Name	System Name
King County Solid Waste Division	Jennifer Keune	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Thursday August 13 2020

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only



kNPtZson4Jc4ui4Ii6whPhhpMHz8M6Iji8KCJ1JEDQ1IilOd0jyMNUaDI4kdwIkgqNT2nR5QPytAdJTX7ievZw4A3TUD/FR64zycVJ+iS60=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR000756 **Permittee:** CEDAR HILLS REGIONAL LANDFILL

Facility County: King **Receiving Waterbody:** Unnamed stream

Monitoring Period: 04/01/2020 - 06/30/2020 **Outfall:** GS1 - Discharge to unnamed stream (wetland) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol [3-Cyclohexene-1-methanol, .alpha.,alpha.,trimethyl-] Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab	Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab
		GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1
Limit Set		ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
9-W	**5/27/20**	1.7	N	2.4	<2	<1	0.0237	<0.476	<9.52	<0.476	<0.476	0.727
Minimum												
Average		1.7		2.4								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					<2	<1	0.0237	<0.476	<9.52	<0.476	<0.476	0.727
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 2 Average					<2	<1	0.0237	<0.476	<9.52	<0.476	<0.476	0.727
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					<2	<1	0.0237	<0.476	<9.52	<0.476	<0.476	0.727
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

Reporting Codes Used: B - Below Detection Limit/No Detection

Week	Monitoring Point	pH Standard Units Quarterly Grab
		GS1
	Limit Set	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
9-W	5/27/20	6.67
Minimum		6.67
		>= 6.0 (RO)
Average		
Maximum		6.67
		<= 9.0 (RO)
Month 1 Average		
Month 2 Average		
Month 3 Average		

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR000756 **Permittee:** CEDAR HILLS REGIONAL LANDFILL

Facility County: King **Receiving Waterbody:** Unnamed stream

Monitoring Period: 04/01/2020 - 06/30/2020 **Outfall:** N4 - Discharge to unnamed stream (McDonald Cr) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol (3-Cyclohexene-1-methanol, alpha, alpha, trimethyl-) Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab	Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab
		N4	N4	N4	N4	N4	N4	N4	N4	N4	N4	N4
Limit Set		**ISGP Western WA - 2020 Permit**	**ISGP Western WA - 2020 Permit**	**ISGP Western WA - 2020 Permit**	**ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit**	**ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit**	**ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit**	**ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit**	**ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit**	**ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit**	**ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit**	**ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit**
9-W	**5/27/20**	3.25	N	2.24	<2	2.5	0.0159	<0.476	<9.52	<0.476	<0.476	10.9
Minimum												
Average		3.25		2.24								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					<2	2.5	0.0159	<0.476	<9.52	<0.476	<0.476	10.9
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 2 Average					<2	2.5	0.0159	<0.476	<9.52	<0.476	<0.476	10.9
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					<2	2.5	0.0159	<0.476	<9.52	<0.476	<0.476	10.9
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

Reporting Codes Used: B - Below Detection Limit/No Detection

Week	Monitoring Point	pH Standard Units Quarterly Grab
		N4
	Limit Set	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
9-W	5/27/20	7.63
Minimum		7.63
		>= 6.0 (RO)
Average		
Maximum		7.63
		<= 9.0 (RO)
Month 1 Average		
Month 2 Average		
Month 3 Average		

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR000756 **Permittee:** CEDAR HILLS REGIONAL LANDFILL

Facility County: King **Receiving Waterbody:** Unnamed stream

Monitoring Period: 04/01/2020 - 06/30/2020 **Outfall:** SL3 - Discharge to unnamed stream (ditch) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Weasured NTU Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol [3-Cyclohexene-1-methanol, .alpha.,alpha.,4-trimethyl-] Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab	Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab
		SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3
Limit Set		ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
11-T	**6/9/20**	14.2	N	2.5	<2	5.8	0.0096	<0.5	<10	<0.5	<0.5	5.43
Minimum												
Average		14.2		2.5								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					<2	5.8	0.0096	<0.5	<10	<0.5	<0.5	5.43
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 2 Average					<2	5.8	0.0096	<0.5	<10	<0.5	<0.5	5.43
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					<2	5.8	0.0096	<0.5	<10	<0.5	<0.5	5.43
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

Reporting Codes Used: B - Below Detection Limit/No Detection

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Jennifer Keune — **Signature**

8/13/2020 10:26:47 AM — **Date**

Week	Monitoring Point	pH Standard Units Quarterly Grab
		SL3
	Limit Set	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
11-T	**6/9/20**	6.74
Minimum		6.74
		>= 6.0 (RO)
Average		
Maximum		6.74
		<= 9.0 (RO)
Month 1 Average		
Month 2 Average		
Month 3 Average		

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1722725 - 5/13/2020 1:53:52 PM

Company Name	Signer Name	System Name
King County Solid Waste Division	Joan Kenton	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Wednesday May 13 2020

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

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ah1QzVWeIJ/V3Vy6kPIDHTLMyUhJuxZibyvT1At/zfSYbLTPrhhO2uK85VUYYD6vyimluBUNsc/Ww2zvvK2+jHFVnyPNd2DKW2XheQlk3tQ=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** Queen City Farms Lake (QCFL)

Monitoring Period: 04/01/2020 - 04/30/2020 **Outfall:** CHL - Queen City Farms Lake (QCFL) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		CHL	CHL
1-W	**4/1/20**	M	M
1-Th	**4/2/20**	M	M
1-F	**4/3/20**	M	M
1-Sa	**4/4/20**	M	M
2-Su	**4/5/20**	M	M
2-M	**4/6/20**	M	M
2-T	**4/7/20**	M	M
2-W	**4/8/20**	M	M
2-Th	**4/9/20**	M	M
2-F	**4/10/20**	M	M
2-Sa	**4/11/20**	M	M
3-Su	**4/12/20**		M
3-M	**4/13/20**		M
3-T	**4/14/20**		M
3-W	**4/15/20**	1.87	M
3-Th	**4/16/20**		M
3-F	**4/17/20**		M
3-Sa	**4/18/20**		M
4-Su	**4/19/20**	M	M
4-M	**4/20/20**	M	M
4-T	**4/21/20**	M	M
4-W	**4/22/20**	M	M
4-Th	**4/23/20**	M	M
4-F	**4/24/20**	M	M
4-Sa	**4/25/20**	M	M
5-Su	**4/26/20**	M	M
5-M	**4/27/20**	M	M
5-T	**4/28/20**	M	M
5-W	**4/29/20**	M	M
5-Th	**4/30/20**	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		1.87	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

The site is currently inactive and temporarily stabilized beginning in April 2019. In accordance with section S4.B.2 the inspection frequency has been reduced to once every calendar month. Once construction activities recommence, the inspection frequency will return to a weekly schedule.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	1	Triangular Silt Dike
	2	Check Dams

	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** gravel pit lake

Monitoring Period: 04/01/2020 - 04/30/2020 **Outfall:** grav - The gravel pit lake infiltrates and has no surface discharge outlet **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C3	C3
1-W	**4/1/20**	M	M
1-Th	**4/2/20**	M	M
1-F	**4/3/20**	M	M
1-Sa	**4/4/20**	M	M
2-Su	**4/5/20**	M	M
2-M	**4/6/20**	M	M
2-T	**4/7/20**	M	M
2-W	**4/8/20**	M	M
2-Th	**4/9/20**	M	M
2-F	**4/10/20**	M	M
2-Sa	**4/11/20**	M	M
3-Su	**4/12/20**		M
3-M	**4/13/20**		M
3-T	**4/14/20**		M
3-W	**4/15/20**	11.1	M
3-Th	**4/16/20**		M
3-F	**4/17/20**		M
3-Sa	**4/18/20**		M
4-Su	**4/19/20**	M	M
4-M	**4/20/20**	M	M
4-T	**4/21/20**	M	M
4-W	**4/22/20**	M	M
4-Th	**4/23/20**	M	M
4-F	**4/24/20**	M	M
4-Sa	**4/25/20**	M	M
5-Su	**4/26/20**	M	M
5-M	**4/27/20**	M	M
5-T	**4/28/20**	M	M
5-W	**4/29/20**	M	M
5-Th	**4/30/20**	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		11.1	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

The site is currently inactive and temporarily stabilized beginning in April 2019. In accordance with section S4.B.2 the inspection frequency has been reduced to once every calendar month. Once construction activities recommence, the inspection frequency will return to a weekly schedule.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	1	Triangular Silt Dike

	2	Check Dams
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** McDonald Creek

Monitoring Period: 04/01/2020 - 04/30/2020 **Outfall:** McDo - Outfall SW N4 The discharge on the northern boundary drains to McDonald Creek at Lat 47 477875 and Long 122 054943 **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C1	C1	C2	C2
1-W	**4/1/20**	M	M	M	M
1-Th	**4/2/20**	M	M	M	M
1-F	**4/3/20**	M	M	M	M
1-Sa	**4/4/20**	M	M	M	M
2-Su	**4/5/20**	M	M	M	M
2-M	**4/6/20**	M	M	M	M
2-T	**4/7/20**	M	M	M	M
2-W	**4/8/20**	M	M	M	M
2-Th	**4/9/20**	M	M	M	M
2-F	**4/10/20**	M	M	M	M
2-Sa	**4/11/20**	M	M	M	M
3-Su	**4/12/20**		M		M
3-M	**4/13/20**		M		M
3-T	**4/14/20**		M		M
3-W	**4/15/20**	1.85	M	1.24	M
3-Th	**4/16/20**		M		M
3-F	**4/17/20**		M		M
3-Sa	**4/18/20**		M		M
4-Su	**4/19/20**	M	M	M	M
4-M	**4/20/20**	M	M	M	M
4-T	**4/21/20**	M	M	M	M
4-W	**4/22/20**	M	M	M	M
4-Th	**4/23/20**	M	M	M	M
4-F	**4/24/20**	M	M	M	M
4-Sa	**4/25/20**	M	M	M	M
5-Su	**4/26/20**	M	M	M	M
5-M	**4/27/20**	M	M	M	M
5-T	**4/28/20**	M	M	M	M
5-W	**4/29/20**	M	M	M	M
5-Th	**4/30/20**	M	M	M	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		1.85	M	1.24	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

The site is currently inactive and temporarily stabilized beginning in April 2019. In accordance with section S4.B.2 the inspection frequency has been reduced to once every calendar month. Once construction activities recommence, the inspection frequency will return to a weekly schedule.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond

	1	Triangular Silt Dike
	2	Check Dams
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Joan Kenton
Signature

5/13/2020 1:53:51 PM
Date

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1726463 - 6/12/2020 11:16:29 AM

Company Name	Signer Name	System Name
King County Solid Waste Division	Joan Kenton	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Friday June 12 2020

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only



FfgvYgM52wXkgIbjePWkujB2VQMyuldxlw+Nl2s15Yz1iHhRjzq8ZSOz
+3Qbr7KmQeV4ghOIjgciS9K2ztoqvvUl1shmyVfV0Dqp1WnLOOc=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** Queen City Farms Lake (QCFL)

Monitoring Period: 05/01/2020 - 05/31/2020 **Outfall:** CHL - Queen City Farms Lake (QCFL) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		CHL	CHL
1-F	**5/1/20**	M	M
1-Sa	**5/2/20**	M	M
2-Su	**5/3/20**	M	M
2-M	**5/4/20**	M	M
2-T	**5/5/20**	M	M
2-W	**5/6/20**	M	M
2-Th	**5/7/20**	M	M
2-F	**5/8/20**	M	M
2-Sa	**5/9/20**	M	M
3-Su	**5/10/20**		M
3-M	**5/11/20**		M
3-T	**5/12/20**	1.66	M
3-W	**5/13/20**		M
3-Th	**5/14/20**		M
3-F	**5/15/20**		M
3-Sa	**5/16/20**		M
4-Su	**5/17/20**	M	M
4-M	**5/18/20**	M	M
4-T	**5/19/20**	M	M
4-W	**5/20/20**	M	M
4-Th	**5/21/20**	M	M
4-F	**5/22/20**	M	M
4-Sa	**5/23/20**	M	M
5-Su	**5/24/20**	M	M
5-M	**5/25/20**	M	M
5-T	**5/26/20**	M	M
5-W	**5/27/20**	M	M
5-Th	**5/28/20**	M	M
5-F	**5/29/20**	M	M
5-Sa	**5/30/20**	M	M
6-Su	**5/31/20**	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		1.66	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

The site is currently inactive and temporarily stabilized beginning in April 2019. In accordance with section S4.B.2. the inspection frequency has been reduced to once every calendar month. Once construction activities recommence, the inspection frequency will return to a weekly schedule.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	1	Triangular Silt Dike

	2	Check Dams
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike
	6	Check Dams
	6	Silt Fence
	6	Straw Wattles
	6	Temporary Sediment Pond
	6	Triangular Silt Dike

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** gravel pit lake

Monitoring Period: 05/01/2020 - 05/31/2020 **Outfall:** grav - The gravel pit lake infiltrates and has no surface discharge outlet **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C3	C3
1-F	**5/1/20**	M	M
1-Sa	**5/2/20**	M	M
2-Su	**5/3/20**	M	M
2-M	**5/4/20**	M	M
2-T	**5/5/20**	M	M
2-W	**5/6/20**	M	M
2-Th	**5/7/20**	M	M
2-F	**5/8/20**	M	M
2-Sa	**5/9/20**	M	M
3-Su	**5/10/20**		M
3-M	**5/11/20**		M
3-T	**5/12/20**	C	M
3-W	**5/13/20**		M
3-Th	**5/14/20**		M
3-F	**5/15/20**		M
3-Sa	**5/16/20**		M
4-Su	**5/17/20**	M	M
4-M	**5/18/20**	M	M
4-T	**5/19/20**	M	M
4-W	**5/20/20**	M	M
4-Th	**5/21/20**	M	M
4-F	**5/22/20**	M	M
4-Sa	**5/23/20**	M	M
5-Su	**5/24/20**	M	M
5-M	**5/25/20**	M	M
5-T	**5/26/20**	M	M
5-W	**5/27/20**	M	M
5-Th	**5/28/20**	M	M
5-F	**5/29/20**	M	M
5-Sa	**5/30/20**	M	M
6-Su	**5/31/20**	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		C	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

The site is currently inactive and temporarily stabilized beginning in April 2019. In accordance with section S4.B.2. the inspection frequency has been reduced to once every calendar month. Once construction activities recommence, the inspection frequency will return to a weekly schedule.

BMPs

Monitoring Point	Week	BMP
C3		Check Dams
C3		Silt Fence
C3		Straw Wattles
C3		Temporary Sediment Pond

C3		Triangular Silt Dike

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** McDonald Creek

Monitoring Period: 05/01/2020 - 05/31/2020 **Outfall:** McDo - Outfall SW N4 The discharge on the northern boundary drains to McDonald Creek at Lat 47 477875 and Long 122 054943 **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C1	C1	C2	C2
1-F	**5/1/20**	M	M	M	M
1-Sa	**5/2/20**	M	M	M	M
2-Su	**5/3/20**	M	M	M	M
2-M	**5/4/20**	M	M	M	M
2-T	**5/5/20**	M	M	M	M
2-W	**5/6/20**	M	M	M	M
2-Th	**5/7/20**	M	M	M	M
2-F	**5/8/20**	M	M	M	M
2-Sa	**5/9/20**	M	M	M	M
3-Su	**5/10/20**		M		M
3-M	**5/11/20**		M		M
3-T	**5/12/20**	1.32	M	1.45	M
3-W	**5/13/20**		M		M
3-Th	**5/14/20**		M		M
3-F	**5/15/20**		M		M
3-Sa	**5/16/20**		M		M
4-Su	**5/17/20**	M	M	M	M
4-M	**5/18/20**	M	M	M	M
4-T	**5/19/20**	M	M	M	M
4-W	**5/20/20**	M	M	M	M
4-Th	**5/21/20**	M	M	M	M
4-F	**5/22/20**	M	M	M	M
4-Sa	**5/23/20**	M	M	M	M
5-Su	**5/24/20**	M	M	M	M
5-M	**5/25/20**	M	M	M	M
5-T	**5/26/20**	M	M	M	M
5-W	**5/27/20**	M	M	M	M
5-Th	**5/28/20**	M	M	M	M
5-F	**5/29/20**	M	M	M	M
5-Sa	**5/30/20**	M	M	M	M
6-Su	**5/31/20**	M	M	M	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		1.32	M	1.45	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

The site is currently inactive and temporarily stabilized beginning in April 2019. In accordance with section S4.B.2. the inspection frequency has been reduced to once every calendar month. Once construction activities recommence, the inspection frequency will return to a weekly schedule.

BMPs

Monitoring Point	Week	BMP
C1		Check Dams
C1		Silt Fence
C1		Straw Wattles
C1		Temporary Sediment Pond

C1		Triangular Silt Dike
C2		Check Dams
C2		Silt Fence
C2		Straw Wattles
C2		Temporary Sediment Pond
C2		Triangular Silt Dike

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Joan Kenton
Signature

6/12/2020 11:15:49 AM
Date

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1730506 - 7/14/2020 8:39:03 AM

Company Name	Signer Name	System Name
King County Solid Waste Division	Joan Kenton	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Tuesday July 14 2020

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only



G6z0phujOrwehFn4BEp6AY6JqcRp/YVwQ2V2kjwDRP8DZIbTNoEJl4icca0rbuThhfno7zrUq67SVEcxS5swTCR0C5ug7mi
ObsTw+sIo0SM=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** Queen City Farms Lake (QCFL)

Monitoring Period: 06/01/2020 - 06/30/2020 **Outfall:** CHL - Queen City Farms Lake (QCFL) **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		CHL	CHL
1-M	**6/1/20**	M	M
1-T	**6/2/20**	M	M
1-W	**6/3/20**	M	M
1-Th	**6/4/20**	M	M
1-F	**6/5/20**	M	M
1-Sa	**6/6/20**	M	M
2-Su	**6/7/20**		M
2-M	**6/8/20**		M
2-T	**6/9/20**		M
2-W	**6/10/20**		M
2-Th	**6/11/20**		M
2-F	**6/12/20**	1.81	M
2-Sa	**6/13/20**		M
3-Su	**6/14/20**	M	M
3-M	**6/15/20**	M	M
3-T	**6/16/20**	M	M
3-W	**6/17/20**	M	M
3-Th	**6/18/20**	M	M
3-F	**6/19/20**	M	M
3-Sa	**6/20/20**	M	M
4-Su	**6/21/20**	M	M
4-M	**6/22/20**	M	M
4-T	**6/23/20**	M	M
4-W	**6/24/20**	M	M
4-Th	**6/25/20**	M	M
4-F	**6/26/20**	M	M
4-Sa	**6/27/20**	M	M
5-Su	**6/28/20**	M	M
5-M	**6/29/20**	M	M
5-T	**6/30/20**	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		1.81	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

The site is currently inactive and temporarily stabilized beginning in April 2019. In accordance with section S4.B.2. of the permit, the inspection frequency has been reduced to once every calendar month. Once construction activities recommence, the inspection frequency will return to a weekly schedule.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	1	Triangular Silt Dike
	2	Check Dams

	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** gravel pit lake

Monitoring Period: 06/01/2020 - 06/30/2020 **Outfall:** grav - The gravel pit lake infiltrates and has no surface discharge outlet **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C3	C3
1-M	**6/1/20**	M	M
1-T	**6/2/20**	M	M
1-W	**6/3/20**	M	M
1-Th	**6/4/20**	M	M
1-F	**6/5/20**	M	M
1-Sa	**6/6/20**	M	M
2-Su	**6/7/20**		M
2-M	**6/8/20**		M
2-T	**6/9/20**		M
2-W	**6/10/20**		M
2-Th	**6/11/20**		M
2-F	**6/12/20**	9.88	M
2-Sa	**6/13/20**		M
3-Su	**6/14/20**	M	M
3-M	**6/15/20**	M	M
3-T	**6/16/20**	M	M
3-W	**6/17/20**	M	M
3-Th	**6/18/20**	M	M
3-F	**6/19/20**	M	M
3-Sa	**6/20/20**	M	M
4-Su	**6/21/20**	M	M
4-M	**6/22/20**	M	M
4-T	**6/23/20**	M	M
4-W	**6/24/20**	M	M
4-Th	**6/25/20**	M	M
4-F	**6/26/20**	M	M
4-Sa	**6/27/20**	M	M
5-Su	**6/28/20**	M	M
5-M	**6/29/20**	M	M
5-T	**6/30/20**	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		9.88	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

The site is currently inactive and temporarily stabilized beginning in April 2019. In accordance with section S4.B.2. of the permit, the inspection frequency has been reduced to once every calendar month. Once construction activities recommence, the inspection frequency will return to a weekly schedule.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	1	Triangular Silt Dike

	2	Check Dams
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR305034 **Permittee:** Cedar Hills regional Landfill

Facility County: King **Receiving Waterbody:** McDonald Creek

Monitoring Period: 06/01/2020 - 06/30/2020 **Outfall:** McDo - Outfall SW N4 The discharge on the northern boundary drains to McDonald Creek at Lat 47 477875 and Long 122 054943 **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C1	C1	C2	C2
1-M	**6/1/20**	M	M	M	M
1-T	**6/2/20**	M	M	M	M
1-W	**6/3/20**	M	M	M	M
1-Th	**6/4/20**	M	M	M	M
1-F	**6/5/20**	M	M	M	M
1-Sa	**6/6/20**	M	M	M	M
2-Su	**6/7/20**		M		M
2-M	**6/8/20**		M		M
2-T	**6/9/20**		M		M
2-W	**6/10/20**		M		M
2-Th	**6/11/20**		M		M
2-F	**6/12/20**	0.96	M	0.89	M
2-Sa	**6/13/20**		M		M
3-Su	**6/14/20**	M	M	M	M
3-M	**6/15/20**	M	M	M	M
3-T	**6/16/20**	M	M	M	M
3-W	**6/17/20**	M	M	M	M
3-Th	**6/18/20**	M	M	M	M
3-F	**6/19/20**	M	M	M	M
3-Sa	**6/20/20**	M	M	M	M
4-Su	**6/21/20**	M	M	M	M
4-M	**6/22/20**	M	M	M	M
4-T	**6/23/20**	M	M	M	M
4-W	**6/24/20**	M	M	M	M
4-Th	**6/25/20**	M	M	M	M
4-F	**6/26/20**	M	M	M	M
4-Sa	**6/27/20**	M	M	M	M
5-Su	**6/28/20**	M	M	M	M
5-M	**6/29/20**	M	M	M	M
5-T	**6/30/20**	M	M	M	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		0.96	M	0.89	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

The site is currently inactive and temporarily stabilized beginning in April 2019. In accordance with section S4.B.2. of the permit, the inspection frequency has been reduced to once every calendar month. Once construction activities recommence, the inspection frequency will return to a weekly schedule.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond

	1	Triangular Silt Dike
	2	Check Dams
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	2	Triangular Silt Dike
	3	Check Dams
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	3	Triangular Silt Dike
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	4	Triangular Silt Dike
	5	Check Dams
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond
	5	Triangular Silt Dike

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Joan Kenton
Signature

7/14/2020 8:39:12 AM
Date

Leachate Field and Analytical Data

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---Leachate Field Parameters
Contact Person: Sendy Jimenez (206) 477-5224

Leachate Monitoring Activities 2nd Quarter 2020

Station ID	Date	Activity	Sample ID	Comment
LS-A567	4/22/2020	Special Investigation	L567200422I	
LS-A567	4/23/2020	Special Investigation	L567200423I	
LS-A567	5/20/2020	Special Investigation	L567200520I2	
LS-A567	5/20/2020	Special Investigation	LA567200520I	
LS-A567	6/17/2020	Special Investigation	L567200617I	
LS-A567	6/17/2020	Special Investigation	L567200617I2	
LS-A81	43943	Special Investigation	LA81200422I	
LS-A81	4/23/2020	Special Investigation	LA81200423I	
LS-A81	5/20/2020	Special Investigation	LA81200520I2	
LS-A81	5/20/2020	Special Investigation	LA81200520I	
LS-A81	6/17/2020	Special Investigation	LA81200617I	
LS-A81	6/17/2020	Special Investigation	LA8120617I2	
LS-LEPS	4/7/2020	Permit Sample	LEPS200407P	
LS-LEPS	4/15/2020	Permit Sample	LEPS200415P	
LS-LEPS	4/21/2020	Permit Sample	LEPS200421P	
LS-LEPS	43950	Permit Sample	LEPS200429P	
LS-LEPS	5/5/2020	Permit Sample	LEPS200505P	
LS-LEPS	5/12/2020	Permit Sample	LEPS200513P	
LS-LEPS	5/20/2020	Permit Sample	LEPS200520P	
LS-LEPS	5/27/2020	Permit Sample	LEPS200527P	
LS-LEPS	6/3/2020	Permit Sample	LEPS200608P	
LS-LEPS	6/9/2020	Permit Sample	LEPS200609P	
LS-LEPS	6/17/2020	Permit Sample	LEPS200617P	
LS-LEPS	6/23/2020	Permit Sample	LEPS200623P	
LS-LEPS	6/30/2020	Permit Sample	LEPS200630P	
LS-LEPS	4/22/2020	Special Investigation	LEPS200422I	
LS-LEPS	4/23/2020	Special Investigation	LEPS200423I	
LS-LEPS	5/20/2020	Special Investigation	LEPS200520I2	
LS-LEPS	5/20/2020	Special Investigation	LEPS200520I	
LS-LEPS	6/17/2020	Special Investigation	LEPS200617I	
LS-LEPS	6/17/2020	Special Investigation	LEPS200617I2	
LS-PS1A	4/22/2020	Special Investigation	LP1A200422I	
LS-PS1A	4/23/2020	Special Investigation	LP1A200423I	
LS-PS1A	43971	Special Investigation	LP1A200520I2	
LS-PS1A	5/20/2020	Special Investigation	LP1A200520I	
LS-PS1A	6/17/2020	Special Investigation	LP1A200617I	
LS-PS1A	6/17/2020	Special Investigation	LP1A200617I2	
LS-PS4	4/22/2020	Special Investigation	LP4-200422I	
LS-PS4	4/23/2020	Special Investigation	LP4-200423I	
LS-PS4	5/20/2020	Special Investigation	LP4-200520I2	
LS-PS4	5/20/2020	Special Investigation	LP4-200520I	
LS-PS4	6/17/2020	Special Investigation	LP4-200617I	
LS-PS4	6/17/2020	Special Investigation	LP4-200617I2	
LS-PS4	6/17/2020	QA/QC Sample	LP4-200617D	

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---Leachate Field Parameters
Contact Person: Sendy Jimenez (206) 477-5224

Leachate Monitoring Activities 2nd Quarter 2020

Station ID	Date	Activity	Sample ID	Comment
LS-V1A	4/22/2020	Special Investigation	LV1A200422I	
LS-V1A	4/23/2020	Special Investigation	LV1A200423I	
LS-V1A	5/21/2020	Special Investigation	LV1A200521I2	
LS-V1A	5/21/2020	Special Investigation	LV1A200521D2	
LS-V1A	5/21/2020	Special Investigation	LV1A200521I	
LS-V1A	6/17/2020	Special Investigation	LV1A200617I	
LS-V1A	6/17/2020	Special Investigation	LV1A200617I2	
FIELD BLANK	4/7/2020	QA/QC Sample	LEPS200407F	
FIELD BLANK	6/17/2020	QA/QC Sample	LEPS200617F	

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---Leachate Field Parameters
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	pH (Field) (std. Units)	Specific Conductance (Field) (umho/cm)	Temperature (Field) (^{o}C)
LS-A567	4/22/2020	L567200422I	5.43	23400	14.2
LS-A567	4/23/2020	L567200423I*	5.4	1250	12.2
LS-A567	5/20/2020	L567200520I	7.9	23488	26.8
LS-A567	6/17/2020	L567200617I	8.25	21992	32
LS-A81	4/22/2020	LA81200422I	5.7	23977	28.6
LS-A81	4/23/2020	LA81200423I*	8.11	19200	26.3
LS-A81	5/20/2020	LA81200520I	5.53	9814	12.6
LS-A81	6/17/2020	LA81200617I	5.48	8110	17.6
LS-CSW	4/23/2020	LCSW200423I	7.78	741	12.1
LS-LEPS	4/7/2020	LEPS200407P	7.91	6010	12.6
LS-LEPS	4/15/2020	LEPS200415P	8.45	5855	12.8
LS-LEPS	4/21/2020	LEPS200421P	8.59	6630	14.6
LS-LEPS	4/22/2020	LEPS200422I	6.44	8132	15.1
LS-LEPS	4/29/2020	LEPS200429P	8.39	7740	15.6
LS-LEPS	5/5/2020	LEPS200505P	8.44	6622	14.1
LS-LEPS	5/12/2020	LEPS200513P	8.76	8050	17.1
LS-LEPS	5/20/2020	LEPS200520I	8.36	8582	18.2
LS-LEPS	5/20/2020	LEPS200520P	8.36	8582	16.2
LS-LEPS	5/27/2020	LEPS200527P	8.27	7806	17.2
LS-LEPS	6/3/2020	LEPS200603P	8.45	7200	16.2
LS-LEPS	6/9/2020	LEPS200609P	8.37	7040	17.2
LS-LEPS	6/17/2020	LEPS200617I	8.22	5938	17.7
LS-LEPS	6/17/2020	LEPS200617P	8.22	5938	17.7
LS-LEPS	6/23/2020	LEPS200623P	8.22	6130	19.3
LS-LEPS	6/30/2020	LEPS200630P	8.41	7155	15.4
LS-PS1A	4/22/2020	LP1A200422I	7.41	1077	11.3
LS-PS1A	4/23/2020	LP1A200423I	7.72	1535	11
LS-PS1A	5/20/2020	LP1A200520I	7.4	1201	13.8
LS-PS1A	6/17/2020	LP1A200617I	6.98	494.8	16.4
LS-PS4	4/22/2020	LP4-200422I	7.81	1992	12.8
LS-PS4	4/23/2020	LP4-200423I	7.51	919	11.7
LS-PS4	5/20/2020	LP4-200520I	7.48	1231	13.7
LS-PS4	6/17/2020	LP4-200617I	7.29	887	14.9
LS-V1A	4/22/2020	LV1A200422I	7.05	7090	16.8
LS-V1A	4/23/2020	LV1A200423I	8.45	6352	15.2
LS-V1A	5/21/2020	LV1A200521I	7.79	4096	14.8
LS-V1A	6/17/2020	LV1A200617I	8.31	5642	18.3
FIELD BLANK	4/7/2020	LEPS200407F	9.39	0.88	11.1
FIELD BLANK	6/17/2020	LEPS200617F	8.19	2.3	14.4

A potential bottle swap between L567200423I and LA81200423I is being investigated.

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---Leachate Conventionals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Alkalinity, Total (CaCO3) (mg/L)	Ammonia, (NH3 as N) (mg/L)	Biological Oxygen Demand (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate+Nitrite (NO3+NO2 as N) (mg/L)
LS-A567	4/23/2020	L567200423I	454	42.7	1490	1970	71.3	40 U	0.15 T
LS-A567	5/20/2020	L567200520I	9230	250	2570	7440 S	2410	100 U	0.2 T
LS-A567	6/17/2020	L567200617I	8860	1420	2430	6750 S	2360	10 U	0.2 U
LS-A81	4/23/2020	LA81200423I	9380	1530	2950	7450 S	2400	40 U	0.2 U
LS-A81	5/20/2020	LA81200520I	3490	578	10900	24100 S	872	100 U	0.01 U
LS-A81	6/17/2020	LA81200617I	2750	273	8120	12400	557	100 U	0.01 U
LS-CSW	4/23/2020	LCSW200423I	327	34	59.8	243	56.4	0.1 U	0.016 T
LS-LEPS	4/23/2020	LEPS200423I	3130	476	519	2230	742	1 U	0.1 U
LS-LEPS	5/20/2020	LEPS200520I	3240	567	431	2280	816	1 U	0.1 U
LS-LEPS	6/17/2020	LEPS200617I	2300	298	275	1440	552	1 U	0.1 T
LS-PS1A	4/23/2020	LP1A200423I	555	96.9	31.9	229	181	0.1 U	0.83
LS-PS1A	5/20/2020	LP1A200520I	356	80.9	23	146	112	0.2 U	0.768
LS-PS1A	6/17/2020	LP1A200617I	138	19.7	14.5	51.5	40.7	0.067 T	1.53
LS-PS4	4/23/2020	LP4-200423I	332	56.6	237	528	64	5 U	0.416
LS-PS4	5/20/2020	LP4-200520I	447	63.6	84.1	521	84.1	1 U	0.18
LS-PS4	6/17/2020	LP4-200617I	300	47.7	118	216	51.7	0.15 T	0.598
LS-V1A	4/23/2020	LV1A200423I	3510	632	3850	6850	880	5 U	0.13 T
LS-V1A	5/21/2020	LV1A200521I	2830	595	1720	3410	645	5 U	0.14 T
LS-V1A	6/17/2020	LV1A200617I	2490	381	1610	3100	581	1 U	0.31 T

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---Leachate Conventionals Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Specific Conductance (umho/cm)	Sulfate (SO4) (mg/L)	Sulfide Total (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Total Volatile Solids (mg/L)	Volatile Suspended Solids (mg/L)
LS-A567	4/23/2020	L567200423I	1460	68.1	0.074 T	68.3	654	124	748	28.5
LS-A567	5/20/2020	L567200520I	23000	15.7	2.6	2010 S	2170 S	32.5	4400	26.3
LS-A567	6/17/2020	L567200617I	22000	48.5	1.09	1860 S	2040 S	26.4	3570 H	22.4
LS-A81	4/23/2020	LA81200423I	23200	25.6	8.55	2190 S	2240 S	16	4650	14
LS-A81	5/20/2020	LA81200520I	9640	556	1.64	827 S	7010 S	60.5	5360	39.3
LS-A81	6/17/2020	LA81200617I	7880	254	1.94	480	3800 S	41.3	3620 H	17
LS-CSW	4/23/2020	LCSW200423I	902	14.4	0.015 T	49.6	47.4	54	204	46
LS-LEPS	4/23/2020	LEPS200423I	7930	55.2	0.24 T	659	514 S	106	1480	73.5
LS-LEPS	5/20/2020	LEPS200520I	8500	52	0.33 T	705	549 S	360	1650	307
LS-LEPS	6/17/2020	LEPS200617I	5980	37.5	0.12 T	466	244 S	520	1100 H	480
LS-PS1A	4/23/2020	LP1A200423I	1840	14.2	0.031 T	117	67.6	5.47	176	4.8
LS-PS1A	5/20/2020	LP1A200520I	1190	11.7	0.0426	74.4	37.8	10 H	378 H	9.2 H
LS-PS1A	6/17/2020	LP1A200617I	488	8.03	0.015 T	21	15.7	3.47	52 HT	2.25
LS-PS4	4/23/2020	LP4-200423I	1130	54.6	0.157	70.1	158	27.2	288	13.6
LS-PS4	5/20/2020	LP4-200520I	1310	24.7	0.074 T	102	124	39.2	404	17.9
LS-PS4	6/17/2020	LP4-200617I	871	17.5	0.027 T	56.2	66.6	23.4	128 H	12.6
LS-V1A	4/23/2020	LV1A200423I	9660	99.9	0.28 T	773	2110 S	212	2870	70
LS-V1A	5/21/2020	LV1A200521I	7510	37.4	0.15 T	600	973 S	79.6	1880	28.8
LS-V1A	6/17/2020	LV1A200617I	7000	36.6	0.29 T	546	883 S	108	1640 H	42.2

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---Leachate Metal Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Aluminum, total (mg/L)	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)
LS-A567	4/23/2020	L567200423I	5.71	0.00297 U	0.00673	0.0718	0.00099 U	0.000495 U	137	0.0191
LS-A567	5/20/2020	L567200520I	0.566	0.0161	0.277	0.418	0.00103 U	0.000513 U	57.3	0.234
LS-A567	6/17/2020	L567200617I	0.513	0.0147	0.279	0.379	0.00103 U	0.000514 U	53.7	0.219
LS-A81	4/23/2020	LA81200423I	0.566	0.0174	0.263	0.38	0.00101 U	0.000507 U	76.8	0.238
LS-A81	5/20/2020	LA81200520I	0.644	0.0127	0.0193	0.212	0.00102 U	0.000509 U	929	0.0877
LS-A81	6/17/2020	LA81200617I	1.45	0.00996	0.0163	0.181	0.00102 U	0.000508 U	751	0.0795
LS-CSW	4/23/2020	LCSW200423I	0.415	0.00303 U	0.00334	0.054	0.00101 U	0.000505 U	40.8	0.00623
LS-LEPS	4/7/2020	LEPS200407P	0.705	0.00944	0.088	0.0984	0.00104 U	0.000519 U	99.2	0.0698
LS-LEPS	4/15/2020	LEPS200415P	0.785	0.0115	0.112	0.114	0.00103 U	0.000513 U	104	0.0834
LS-LEPS	4/21/2020	LEPS200421P	0.62	0.0167	0.146	0.117	0.00101 U	0.000505 U	104	0.097
LS-LEPS	4/23/2020	LEPS200423I	0.84	0.0347	0.212	0.121	0.00103 U	0.000513 U	114	0.103
LS-LEPS	4/29/2020	LEPS200429P	0.705	0.0387	0.246	0.105	0.00101 U	0.000503 U	105	0.0969
LS-LEPS	5/5/2020	LEPS200505P	0.679	0.0337	0.218	0.102	0.000982 U	0.000491 U	99.3	0.098
LS-LEPS	5/12/2020	LEPS200513P	0.537	0.0324	0.212	0.0978	0.00104 U	0.00052 U	92.9	0.113
LS-LEPS	5/20/2020	LEPS200520I	0.673	0.0285	0.192	0.0933	0.00102 U	0.000512 U	90.6	0.114
LS-LEPS	5/20/2020	LEPS200520P	0.67	0.0259	0.185	0.0897	0.00103 U	0.000515 U	88.2	0.104
LS-LEPS	5/27/2020	LEPS200527P	0.672	0.023	0.158	0.0837	0.000995 U	0.000497 U	84.5	0.0922
LS-LEPS	6/9/2020	LEPS200609P	0.89	0.0196	0.14	0.0937	0.00102 U	0.000512 U	88.3	0.0947
LS-LEPS	6/17/2020	LEPS200617I	0.884	0.0131	0.108	0.0883	0.00104 U	0.000519 U	85.4	0.0753
LS-LEPS	6/17/2020	LEPS200617P	1.09	0.0137	0.106	0.0921	0.00101 U	0.000503 U	81.7	0.0764
LS-LEPS	6/23/2020	LEPS200623P	0.762	0.013	0.112	0.0855	0.00102 U	0.000511 U	82	0.079
LS-LEPS	6/30/2020	LEPS200630P	0.479	0.0141	0.127	0.0861	0.00102 U	0.00051 U	81.1	0.0898
LS-PS1A	4/23/2020	LP1A200423I	0.0505 U	0.00557	0.0273	0.0484	0.00101 U	0.000505 U	22.1	0.00906
LS-PS1A	5/20/2020	LP1A200520I	0.0667	0.00325	0.0188	0.0344	0.00102 U	0.000511 U	18.3	0.00598
LS-PS1A	6/17/2020	LP1A200617I	0.0599	0.00299 U	0.00712	0.0178	0.000998 U	0.000499 U	14.6	0.00285
LS-PS4	4/23/2020	LP4-200423I	1.13	1.28 D	6.36 D	0.0445	0.000996 U	0.000498 U	41.9	0.00756
LS-PS4	5/20/2020	LP4-200520I	0.766	0.0083	0.0518	0.0492	0.000999 U	0.000499 U	34	0.00752
LS-PS4	6/17/2020	LP4-200617I	0.515	0.00589	0.0424	0.0272	0.00101 U	0.000507 U	25.5	0.00448
LS-V1A	4/23/2020	LV1A200423I	4.4	0.12	0.555	0.209	0.00102 U	0.000511 U	267	0.122
LS-V1A	5/21/2020	LV1A200521I	2.2	0.0142	0.121	0.136	0.00104 U	0.00052 U	89.8	0.0972
LS-V1A	6/17/2020	LV1A200617I	2.42	0.0131	0.117	0.123	0.00104 U	0.000519 U	102	0.0887
FIELD BLANK	4/7/2020	LEPS200407F	0.0495 U	0.00297 U	0.000495 U	0.00495 U	0.000989 U	0.000495 U	0.495 U	0.00198 U
FIELD BLANK	6/17/2020	LEPS200617F	0.0492 U	0.00295 U	0.000492 U	0.00492 U	0.000984 U	0.000492 U	0.492 U	0.00197 U

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---Leachate Metal Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)
LS-A567	4/23/2020	L567200423I	0.0192	0.0136	20	0.00208	18.8	2.88	0.0001 U	0.0379
LS-A567	5/20/2020	L567200520I	0.0634	0.291	3.91	0.00508	96.6	0.278	0.0001 U	0.252
LS-A567	6/17/2020	L567200617I	0.0631	0.303	3.61	0.00486	94.2	0.282	0.0001 U	0.246
LS-A81	4/23/2020	LA81200423I	0.0622	0.00383	3.87	0.00164	104	0.398	0.0001 U	0.253
LS-A81	5/20/2020	LA81200520I	0.0763	0.00536	88.6	0.00102 U	131	15.4	0.0001 U	0.213
LS-A81	6/17/2020	LA81200617I	0.0665	0.0101	77.9	0.0014	102	11.7	0.0001 U	0.178
LS-CSW	4/23/2020	LCSW200423I	0.00226	0.00708	1.93	0.00108	12.9	0.495	0.0001 U	0.0134
LS-LEPS	4/7/2020	LEPS200407P	0.0187	0.00613	6.98	0.00113	34	1.13	0.0001 U	0.067
LS-LEPS	4/15/2020	LEPS200415P	0.0215	0.00636	7.25	0.00117	40.1	1.18	0.0001 U	0.0771
LS-LEPS	4/21/2020	LEPS200421P	0.0241	0.00567	7.38	0.00114	44.4	1.1	0.0001 U	0.0889
LS-LEPS	4/23/2020	LEPS200423I	0.024	0.00673	8.42	0.00133	46.2	1.19	0.0001 U	0.0883
LS-LEPS	4/29/2020	LEPS200429P	0.0248	0.00629	7.99	0.0017	45.1	0.958	0.0001 U	0.0928
LS-LEPS	5/5/2020	LEPS200505P	0.0253	0.00616	7.66	0.0012	46.1	0.862	0.0001 U	0.0938
LS-LEPS	5/12/2020	LEPS200513P	0.0255	0.00504	7.3	0.00107	49.6	0.673	0.0001 U	0.0968
LS-LEPS	5/20/2020	LEPS200520I	0.0258	0.0052	7.34	0.00111	49.8	0.699	0.0001 U	0.0987
LS-LEPS	5/20/2020	LEPS200520P	0.0256	0.00549	7.05	0.0012	47.1	0.685	0.0001 U	0.098
LS-LEPS	5/27/2020	LEPS200527P	0.0218	0.00502	6.73	0.0013	42.9	0.674	0.0001 U	0.0817
LS-LEPS	6/9/2020	LEPS200609P	0.0231	0.00646	7.64	0.00141	43.4	0.87	0.0001 U	0.0865
LS-LEPS	6/17/2020	LEPS200617I	0.0194	0.00747	7.65	0.00134	37	0.959	0.0001 U	0.0709
LS-LEPS	6/17/2020	LEPS200617P	0.0191	0.00736	7.47	0.00139	36.3	0.928	0.0001 U	0.0676
LS-LEPS	6/23/2020	LEPS200623P	0.0195	0.00643	7.25	0.00116	36.9	0.849	0.0001 U	0.0743
LS-LEPS	6/30/2020	LEPS200630P	0.0222	0.00569	7.63	0.00113	41.6	0.666	0.0001 U	0.0824
LS-PS1A	4/23/2020	LP1A200423I	0.00405	0.00603	0.64	0.00101 U	10.9	0.216	0.0001 U	0.0163
LS-PS1A	5/20/2020	LP1A200520I	0.00275	0.00765	0.786	0.00102 U	7.68	0.191	0.0001 U	0.0114
LS-PS1A	6/17/2020	LP1A200617I	0.00116	0.0095	0.852	0.000998 U	5.21	0.1	0.0001 U	0.00642
LS-PS4	4/23/2020	LP4-200423I	0.0035	0.00758	2.82	0.00113	19.5	0.516	0.0001 U	0.0112
LS-PS4	5/20/2020	LP4-200520I	0.00237	0.00399	2.32	0.000999 U	18.7	0.407	0.0001 U	0.00798
LS-PS4	6/17/2020	LP4-200617I	0.00181	0.00635	2.11	0.00101 U	10.2	0.441	0.0001 U	0.00723
LS-V1A	4/23/2020	LV1A200423I	0.0371	0.0195	24.3	0.00404	69.3	3.89	0.0001 U	0.127
LS-V1A	5/21/2020	LV1A200521I	0.0211	0.0107	8.42	0.00255	43.4	1.21	0.0001 U	0.0793
LS-V1A	6/17/2020	LV1A200617I	0.0218	0.0125	10.6	0.00239	39.7	1.46	0.0001 U	0.0778
FIELD BLANK	4/7/2020	LEPS200407F	0.000495 U	0.00198 U	0.0989 U	0.000989 U	0.495 U	0.000989 U	0.0001 U	0.000989 U
FIELD BLANK	6/17/2020	LEPS200617F	0.000492 U	0.00197 U	0.0984 U	0.000984 U	0.492 U	0.000984 U	0.0001 U	0.000984 U

See Data Qualifier List for Qualifier Information.

Environmental Monitoring Data

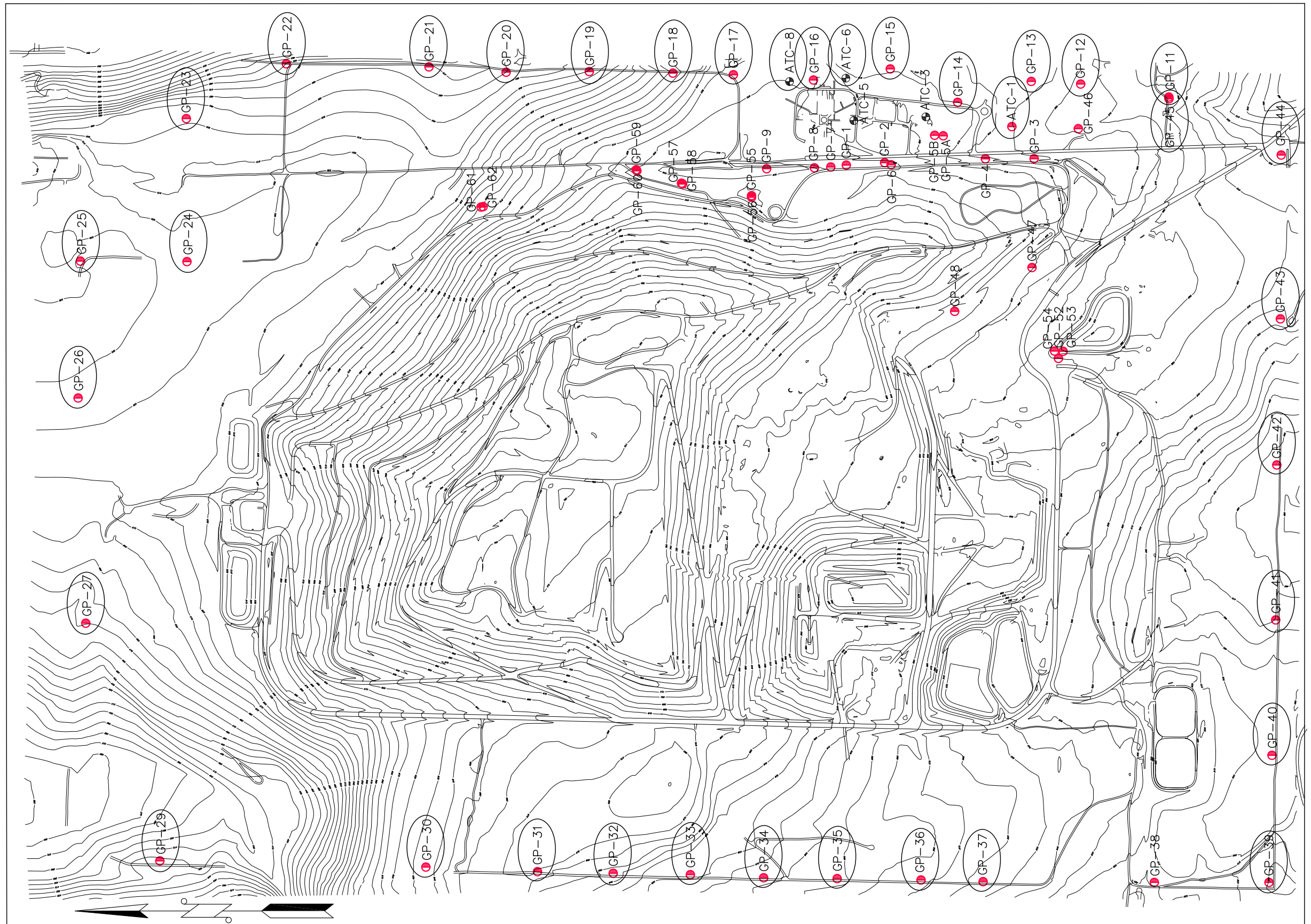
Data Collected from April 1 to June 30, 2020
Cedar Hills Landfill ---Leachate Metal Analytical Data
Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
LS-A567	4/23/2020	L567200423I	35.8	0.00495 U	0.000396 U	75.1	0.00099 U	0.00495 U	0.0147	0.395
LS-A567	5/20/2020	L567200520I	750	0.00513 U	0.00041 U	2410	0.00103 U	0.0426	0.153	0.101
LS-A567	6/17/2020	L567200617I	751	0.00514 U	0.000411 U	2370	0.00103 U	0.0394	0.147	0.137
LS-A81	4/23/2020	LA81200423I	767	0.00507 U	0.000405 U	2430	0.00101 U	0.0427	0.145	0.0603
LS-A81	5/20/2020	LA81200520I	276	0.00509 U	0.000407 U	675	0.00102 U	0.0073	0.0324	0.387
LS-A81	6/17/2020	LA81200617I	216	0.00508 U	0.000407 U	543	0.00102 U	0.0064	0.0259	0.364
LS-CSW	4/23/2020	LCSW200423I	29.6	0.00505 U	0.000404 U	63.2	0.00101 U	0.00505 U	0.00361	0.0271
LS-LEPS	4/7/2020	LEPS200407P	189	0.00519 U	0.000415 U	532	0.00104 U	0.00831	0.0223	0.0855
LS-LEPS	4/15/2020	LEPS200415P	227	0.00513 U	0.00041 U	636	0.00103 U	0.00924	0.0298	0.1
LS-LEPS	4/21/2020	LEPS200421P	257	0.00505 U	0.000404 U	719	0.00101 U	0.0113	0.0318	0.102
LS-LEPS	4/23/2020	LEPS200423I	260	0.00513 U	0.000411 U	734	0.00103 U	0.0101	0.0309	0.129
LS-LEPS	4/29/2020	LEPS200429P	259	0.00503 U	0.000403 U	717	0.00101 U	0.0114	0.0313	0.115 D
LS-LEPS	5/5/2020	LEPS200505P	254	0.00491 U	0.000393 U	742	0.000982 U	0.011	0.0311	0.115
LS-LEPS	5/12/2020	LEPS200513P	284	0.0052 U	0.000416 U	825	0.00104 U	0.0128	0.0333	0.12
LS-LEPS	5/20/2020	LEPS200520I	290	0.00512 U	0.00041 U	836	0.00102 U	0.0119	0.0342	0.109
LS-LEPS	5/20/2020	LEPS200520P	279	0.00515 U	0.000412 U	782	0.00103 U	0.0113	0.0325	0.114
LS-LEPS	5/27/2020	LEPS200527P	241	0.00497 U	0.000398 U	691	0.000995 U	0.00991	0.0293	0.0931
LS-LEPS	6/9/2020	LEPS200609P	239	0.00512 U	0.000409 U	686	0.00102 U	0.0108	0.0296	0.105
LS-LEPS	6/17/2020	LEPS200617I	194	0.00519 U	0.000415 U	563	0.00104 U	0.00672	0.0241	0.0903
LS-LEPS	6/17/2020	LEPS200617P	190	0.00503 U	0.000402 U	536	0.00101 U	0.00881	0.0236 D	0.0876
LS-LEPS	6/23/2020	LEPS200623P	200	0.00511 U	0.000408 U	567	0.00102 U	0.00993	0.025	0.0949
LS-LEPS	6/30/2020	LEPS200630P	228	0.0051 U	0.000408 U	661	0.00102 U	0.01	0.0282	0.124
LS-PS1A	4/23/2020	LP1A200423I	42.3	0.00505 U	0.000404 U	159	0.00101 U	0.00505 U	0.0102	0.0136
LS-PS1A	5/20/2020	LP1A200520I	25.6	0.00511 U	0.000409 U	97.8	0.00102 U	0.00511 U	0.00724	0.00991
LS-PS1A	6/17/2020	LP1A200617I	10	0.00499 U	0.000399 U	35.6	0.000998 U	0.00499 U	0.00341	0.0121
LS-PS4	4/23/2020	LP4-200423I	24.7	0.00498 U	0.000398 U	75.5	0.000996 U	0.00498 U	0.00437	0.0675
LS-PS4	5/20/2020	LP4-200520I	31.7	0.00499 U	0.0004 U	96.8	0.000999 U	0.00499 U	0.00315	0.0481
LS-PS4	6/17/2020	LP4-200617I	19.2	0.00507 U	0.000405 U	55.2	0.00101 U	0.00507 U	0.00279	0.0287
LS-V1A	4/23/2020	LV1A200423I	296	0.00511 U	0.000409 U	819	0.00102 U	0.0135	0.0401	0.359
LS-V1A	5/21/2020	LV1A200521I	232	0.0052 U	0.000416 U	657	0.00104 U	0.0115	0.0289	0.131
LS-V1A	6/17/2020	LV1A200617I	208	0.00519 U	0.000415 U	596	0.00104 U	0.0104	0.0272	0.111
FIELD BLANK	4/7/2020	LEPS200407F	0.989 U	0.00495 U	0.000396 U	0.989 U	0.000989 U	0.00495 U	0.000742 U	0.00495 U
FIELD BLANK	6/17/2020	LEPS200617F	0.984 U	0.00492 U	0.000394 U	0.984 U	0.000984 U	0.00492 U	0.000738 DU	0.00492 U

See Data Qualifier List for Qualifier Information.

Landfill Gas Monitoring Data

Compliance Probes



Northing	Easting	Elev	Description	Inst. Date
170,000.33	1,701,942.93	640.02	GP-1 CASE EL	1985/86
169,740.00	1,701,960.00	622.00	GP-2 CASE EL	1985/86
168,758.11	1,701,985.28	594.21	GP-3 CASE EL	1985/86
169,058.18	1,701,972.94	606.19	GP-4 CASE EL	1985/86
169,370.19	1,702,134.95	616.23	GP-5A GRND EL	1988
169,422.02	1,702,138.87	619.63	GP-5B CASE EL	1988
169,731.73	1,701,946.48	635.59	GP-6 CASE EL	1988
170,101.22	1,701,930.58	640.66	GP-7 CASE EL	1988
170,208.37	1,701,925.10	642.67	GP8 CASE EL	1988
170,519.95	1,701,919.34	645.27	GP-9 CASE EL	1988
		GP-10 NOT INSTALLED		1988
167,890.09	1,702,389.27	567.15	GP-11 CASE EL	1988
168,466.64	1,702,473.27	568.08	GP-12 CASE EL	1988
168,790.03	1,702,490.84	588.15	GP-13 CASE EL	1988
169,271.56	1,702,354.75	613.32	GP-14 CASE EL	1988
169,724.93	1,702,446.19	618.75	GP-15 CASE EL	1988
170,214.28	1,702,500.56	630.19	GP-16 CASE EL	1988
170,738.83	1,702,535.09	625.18	GP-17 CASE EL	1988
171,132.85	1,702,543.29	600.83	GP-18 CASE EL	1988
171,634.52	1,702,554.91	544.15	GP-19 CASE EL	1988
172,224.83	1,702,550.70	496.61	GP-20 CASE EL	1988
172,729.15	1,702,584.65	489.79	GP-21 CASE EL	1988
173,662.40	1,702,607.81	374.84	GP-22 CASE EL	1988
174,317.16	1,702,248.74	501.77	GP-23 CASE EL	1988
174,313.44	1,701,311.74	544.72	GP-24 CASE EL	1988
175,011.63	1,701,324.89	533.86	GP-25 CASE EL	1988
175,043.82	1,700,364.55	541.69	GP-26 CASE EL	1988
174,983.78	1,698,935.68	484.75	GP-27 CASE EL	1988
		GP-28 NOT INSTALLED		1988
174,455.39	1,697,385.67	431.05	GP-29 CASE EL	1988
172,787.40	1,697,339.61	644.62	GP-30 CASE EL	1988
172,013.96	1,697,321.72	673.37	GP-31 CASE EL	1988
171,524.28	1,697,308.08	647.57	GP-32 CASE EL	1988
171,017.18	1,697,293.36	625.03	GP-33 CASE EL	1988
170,537.12	1,697,287.04	604.93	GP-34 CASE EL	1988
170,083.32	1,697,286.32	596.28	GP-35 CASE EL	1988
169,510.89	1,697,265.94	574.92	GP-36 CASE EL	1988
169,049.03	1,697,252.08	557.38	GP-37 CASE EL	1988
167,909.72	1,697,243.54	523.57	GP-38 CASE EL	1988
167,239.45	1,697,232.41	541.03	GP-39 CASE EL	1988
167,205.68	1,698,100.32	502.77	GP-40 CASE EL	1988
167,191.96	1,698,965.50	482.97	GP-41 CASE EL	1988
167,183.37	1,699,979.90	457.95	GP-42 CASE EL	1988
167,160.00	1,700,961.11	536.86	GP-43 CASE EL	1988
167,135.28	1,702,007.20	529.11	GP-44 CASE EL	1994
167,888.74	1,702,378.77	567.47	GP-45 CASE EL	1994
168,482.15	1,702,182.52	589.79	GP-46 CASE EL	1994
168,783.75	1,701,272.71	600.07	GP-47 CASE EL	1994
169,289.65	1,700,985.98	616.56	GP-48 CASE EL	1994
168,612.91	1,700,710.62	561.13	GP-52 GRND EL	2001
168,601.99	1,700,711.34	561.02	GP-53 GRND EL	2001
168,617.89	1,700,717.53	561.20	GP-54 GRND EL	2001
168,916.92	1,702,195.87	591.29	GP-ATC-1 GRND EL	1985/86
169,479.79	1,702,259.97	616.25	GP-ATC-3 GRND EL	1985/86
		GP-ATC-4 ABANDONED/REMOVED		
169,950.42	1,702,235.30	625.65	GP-ATC-5 GRND EL	1985/86
170,002.70	1,702,512.99	620.16	GP-ATC-6 GRND EL	1985/86
170,371.26	1,702,490.56	629.94	GP-ATC-8 GRND EL	1985/86

B-72

LEGEND

INTERIOR LFG MONITORING PROBES

LFG MIGRATION MONITORING PROBES

GP-61	172389.358	1701669.133	561.42	563.673	563.18	GP61 TOP LID
GP-62	172375.658	1701672.384	563.35	565.703	565.28	GP62 TOP LID
GP-59	171373.815	1701913.385	633.45	635.991	635.45	GP59 TOP LID
GP-60	171369.626	1701906.243	633.68	636.366	635.84	GP60 TOP LID
GP-57	171077.878	1701825.385	637.02	639.432	639.00	GP57 TOP LID
GP-58	171070.016	1701820.583	637.56	640.345	639.81	GP58 TOP LID
GP-56	170619.58	1701733.666	641.07	644.03	643.57	GP56 TOP LID
GP-55	170619.474	1701744.081	640.99	643.621	643.09	GP55 TOP LID

DATE	REVISION	BY

King County

KING COUNTY DEPARTMENT OF
NATURAL RESOURCES AND PARKS

SOLID WASTE DIVISION

CEDAR HILLS REGIONAL LANDFILL
LANDFILL GAS MIGRATION MONITORING PLAN

APPROVED VICTOR O. OKEREKE DATE 03-27-08
RECOMMENDED TOM THENO DATE 03-27-08
DESIGNED N/A DRAWN PHAM / McEWEN
PROJECT NO. SURVEY NO. SHEET 1 OF 1

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
April 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	4/14/2020 11:10	0	0	20.3	0	0.01	None
ATC-1S	4/14/2020 11:08	0	0.5	16.1	0	0.02	None
ATC-6D	4/14/2020 12:25	0	0.4	13	0	0.02	None
ATC-6S	4/14/2020 12:23	0	0	20.1	0	0.06	None
ATC-8D	4/14/2020 12:14	0	2.6	15.3	0	0.03	None
ATC-8S	4/14/2020 12:13	0	0.2	19.1	0	0.23	None
GP-11A	4/14/2020 10:46	0	0.1	19.7	0	0.05	None
GP-11B	4/14/2020 10:48	0	0.1	19.8	0	-0.17	None
GP-11C	4/14/2020 10:49	0	0.1	19.8	0	-0.09	None
GP-11D	4/14/2020 10:51	0	0.1	19.8	0	0.15	None
GP-12A	4/14/2020 11:16	0	0	20.4	0	0.02	None
GP-12B	4/14/2020 11:18	0	0	20.4	0	0.03	None
GP-12C	4/14/2020 11:20	0	0.1	17.7	0	-0.04	None
GP-12D	4/14/2020 11:22	0	0.1	20.4	0	-0.05	None
GP-13A	4/14/2020 11:26	0	0.1	20.4	0	0.31	None
GP-13B	4/14/2020 11:27	0	0.1	20.3	0	0.03	None
GP-13C	4/14/2020 11:29	0	0	20.3	0	0.04	None
GP-13D	4/14/2020 11:31	0	0	20.3	0	-1.85	None
GP-14A	4/14/2020 11:35	0	0	20.2	0	-0.64	None
GP-14B	4/14/2020 11:37	0	0	20.3	0	0.02	None
GP-15A	4/14/2020 12:03	0	0	20.2	0	-0.02	None
GP-15C	4/14/2020 12:04	0	0.3	18.2	0	0.07	None
GP-15D	4/14/2020 12:05	0	0.1	20.1	0	-1.88	None
GP-16A	4/14/2020 12:17	0	0.1	19.8	0	0.07	None
GP-16B	4/14/2020 12:19	0	0	19.9	0	-2.13	None
GP-16C	4/14/2020 12:20	0	0	20	0	-1.99	None
GP-17A	4/14/2020 13:58	0	0.1	19.9	0	-13.14	None
GP-17B	4/14/2020 13:59	0	0.6	17.1	0	0.04	None
GP-17C	4/14/2020 14:01	0	0.1	19.8	0	-1.5	None
GP-18A	4/14/2020 14:06	0	0.1	19.4	0	0.55	None
GP-18B	4/14/2020 14:08	0	0.3	12.5	0	0.21	None
GP-18C	4/14/2020 14:09	0	0.1	19.7	0	-1.53	None
GP-19A	4/14/2020 14:13	0	0	19.8	0	0.06	None
GP-19B	4/14/2020 14:14	0	0.6	14.7	0	0.6	None
GP-19C	4/14/2020 14:16	0	0	19.8	0	-0.11	None
GP-20A	4/14/2020 14:21	0	0	19.9	0	0.56	None
GP-20B	4/14/2020 14:23	0	0.2	18.8	0	0.01	None
GP-20C	4/14/2020 14:24	0	0.2	5.4	0	0.36	None
GP-21A	4/14/2020 14:29	0	0	19.9	0	-0.02	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
April 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-21B	4/14/2020 14:30	0	0.1	9.2	0	-0.06	None
GP-21C	4/14/2020 14:32	0	0.1	19.7	0	-0.81	None
GP-22A	4/14/2020 14:38	0	0.3	19.8	0	-11.12	None
GP-22C	4/14/2020 14:39	0	1.3	1.5	0	-1.22	None
GP-23A	4/14/2020 14:45	0	0	19.7	0	-0.05	None
GP-23B	4/14/2020 14:46	0	0	19.8	0	0.01	None
GP-23C	4/14/2020 14:48	0	0	19.8	0	0.01	None
GP-24A	4/14/2020 14:52	0	4.3	8	0	-0.02	None
GP-24B	4/14/2020 14:53	0	0.3	18.5	0	-0.01	None
GP-25	4/14/2020 14:57	0	2.5	13.3	0	-0.79	None
GP-26	4/14/2020 15:01	0	0.7	18	0	0.11	None
GP-27	4/14/2020 15:06	0	6.1	9.3	0	-0.04	None
GP-29A	4/14/2020 15:11	0	2.5	14.8	0	-0.05	None
GP-29B	4/14/2020 15:12	0	0.7	19.4	0	-4.69	None
GP-30A	4/14/2020 7:32	0	2.3	17.4	0	-0.04	None
GP-30B	4/14/2020 7:34	0	1.4	18.8	0	-0.86	None
GP-31A	4/14/2020 7:38	0	0.4	19.6	0	-15.94	None
GP-31B	4/14/2020 7:40	0	0.3	18.2	0	-0.15	None
GP-31C	4/14/2020 7:42	0	0.1	20.6	0	-0.01	None
GP-32A	4/14/2020 7:46	0	0.2	20.6	0	-0.05	None
GP-32B	4/14/2020 7:47	0	0.2	20.6	0	-0.04	None
GP-32C	4/14/2020 7:49	0	0.2	20.5	0	-0.06	None
GP-33A	4/14/2020 7:53	0	0.1	20.7	0	-0.03	None
GP-33B	4/14/2020 7:55	0	0.1	20.7	0	-0.06	None
GP-33C	4/14/2020 7:56	0	0.1	20.7	0	-0.99	None
GP-34A	4/14/2020 8:04	0	0.1	20.8	0	-0.06	None
GP-34B	4/14/2020 8:06	0	0.1	20.7	0	-0.09	None
GP-34C	4/14/2020 8:07	0	0.1	20.7	0	-2.26	None
GP-35A	4/14/2020 8:13	0	0.1	20.6	0	-0.01	None
GP-35B	4/14/2020 8:14	0	0.1	20.6	0	-0.06	None
GP-35C	4/14/2020 8:16	0	0.1	20.6	0	-0.06	None
GP-36A	4/14/2020 8:20	0	0.3	5.9	0	0.23	None
GP-36B	4/14/2020 8:22	0	0.1	20.4	0	-0.02	None
GP-36C	4/14/2020 8:23	0	0.2	15.8	0	-1.06	None
GP-37A	4/14/2020 8:30	0	0.2	16	0	0	None
GP-37B	4/14/2020 8:32	0	0.1	20.6	0	-0.04	None
GP-37C	4/14/2020 8:34	0	0.6	4.2	0	-1.99	None
GP-39	4/14/2020 8:45	0	1.8	16.6	0	-0.01	None
GP-40	4/14/2020 8:55	0	0.1	16.6	0	0.21	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
April 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-41A	4/14/2020 9:00	0	0.1	20	0	-0.06	None
GP-41B	4/14/2020 9:01	0	0.1	19.9	0	0.05	None
GP-41C	4/14/2020 9:03	0	0.1	20	0	0	None
GP-42A	4/14/2020 9:09	0	0.1	20	0	0.26	None
GP-42B	4/14/2020 9:11	0	0.7	16.9	0	-0.6	None
GP-43A	4/14/2020 9:24	0	0.1	19.8	0	0.02	None
GP-43B	4/14/2020 9:26	0	0.1	19.9	0	0	None
GP-43C	4/14/2020 9:29	0	0.1	19.9	0	-0.01	None
GP-44A	4/14/2020 9:38	0	0.1	19.9	0	0.02	None
GP-44B	4/14/2020 9:39	0	0.1	19.4	0	0.05	None
GP-44C	4/14/2020 9:41	0	0.1	19.9	0	-0.03	None
GP-45D	4/14/2020 10:56	0	0	20.1	0	-0.32	None
GP-45I	4/14/2020 10:55	0	0	20	0	0.03	None
GP-45S	4/14/2020 10:53	0	0	19.9	0	0.03	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
May 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	5/7/2020 9:58	0	0.1	20.1	0	0.04	None
ATC-1S	5/7/2020 9:57	0	0.1	20.1	0	0.05	None
ATC-6D	5/7/2020 11:09	0	0.1	20.3	0	0.01	None
ATC-6S	5/7/2020 11:08	0	0.1	20.5	0	0.02	None
ATC-8D	5/7/2020 11:01	0	2.6	16.5	0	0.04	None
ATC-8S	5/7/2020 11:00	0	0.2	20.1	0	0.04	None
GP-11A	5/7/2020 9:45	0	0.1	20	0	0.08	None
GP-11B	5/7/2020 9:46	0	0.1	20	0	-0.29	None
GP-11C	5/7/2020 9:48	0	0.1	20	0	-0.05	None
GP-11D	5/7/2020 9:49	0	0.1	20	0	0.18	None
GP-12A	5/7/2020 10:15	0	0.1	20.6	0	0.01	None
GP-12B	5/7/2020 10:17	0	0.1	20.6	0	0	None
GP-12C	5/7/2020 10:18	0	0.1	19.7	0	0.07	None
GP-12D	5/7/2020 10:20	0	0.2	18.8	0	-4.01	None
GP-13A	5/7/2020 10:04	0	0.1	20.3	0	0.01	None
GP-13B	5/7/2020 10:05	0	0.1	20.3	0	0.03	None
GP-13C	5/7/2020 10:06	0	0.1	20.4	0	0.04	None
GP-13D	5/7/2020 10:07	0	0.1	20.4	0	-2.88	None
GP-14A	5/7/2020 10:25	0	0.1	20.6	0	-0.92	None
GP-14B	5/7/2020 10:26	0	0.1	20.7	0	-1	None
GP-15A	5/7/2020 10:47	0	0.1	20.7	0	0.01	None
GP-15C	5/7/2020 10:49	0	0.1	20.6	0	0.06	None
GP-15D	5/7/2020 10:50	0	0.1	20.7	0	-0.6	None
GP-16A	5/7/2020 11:03	0	0.1	20.4	0	-0.01	None
GP-16B	5/7/2020 11:04	0	0.1	20.4	0	-2.55	None
GP-16C	5/7/2020 11:06	0	0.1	20.4	0	-2.97	None
GP-17A	5/7/2020 12:09	0	0.1	19.4	0	-0.81	None
GP-17B	5/7/2020 12:11	0	0.4	17.7	0	0.03	None
GP-17C	5/7/2020 12:12	0	0	19.6	0	-2.05	None
GP-18A	5/7/2020 12:15	0	0	19.7	0	0.02	None
GP-18B	5/7/2020 12:16	0	0.1	18.6	0	0	None
GP-18C	5/7/2020 12:18	0	0.1	19.8	0	-2.12	None
GP-19A	5/7/2020 12:21	0	0	19.9	0	0.03	None
GP-19B	5/7/2020 12:22	0	0.5	15.7	0	-0.01	None
GP-19C	5/7/2020 12:23	0	0	19.9	0	0.03	None
GP-20A	5/7/2020 12:27	0	0	20	0	0.02	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
May 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-20B	5/7/2020 12:28	0	0.2	18.6	0	-0.01	None
GP-20C	5/7/2020 12:30	0	0.3	15.5	0	0.01	None
GP-21A	5/7/2020 12:33	0	0.1	20	0	0.05	None
GP-21B	5/7/2020 12:34	0	0.1	10.3	0	-0.02	None
GP-21C	5/7/2020 12:36	0	0	20	0	0	None
GP-22A	5/7/2020 12:40	0	0.2	19.9	0	-2.73	None
GP-22C	5/7/2020 12:42	0	1	6.7	0	-1.85	None
GP-23A	5/7/2020 12:47	0	0	20.1	0	-0.05	None
GP-23B	5/7/2020 12:49	0	0	20.2	0	0	None
GP-23C	5/7/2020 12:50	0	0	20.2	0	0.04	None
GP-24A	5/7/2020 12:54	0	3.5	11.7	0	0.01	None
GP-24B	5/7/2020 12:56	0	0.2	19.5	0	0.02	None
GP-25	5/7/2020 12:59	0	2.5	14.9	0	-0.04	None
GP-26	5/7/2020 13:03	0	0.2	19.8	0	-0.01	None
GP-27	5/7/2020 13:08	0	5.4	10.8	0	0.01	None
GP-29A	5/7/2020 13:14	0	3.7	13.3	0	0.01	None
GP-29B	5/7/2020 13:15	0	0.4	19.9	0	0.03	None
GP-30A	5/7/2020 7:49	0	2.1	18.9	0	-0.04	None
GP-30B	5/7/2020 7:50	0	0.1	20.8	0	-0.58	None
GP-31A	5/7/2020 7:54	0	0.2	20.8	0	-0.32	None
GP-31B	5/7/2020 7:55	0	0.2	19.9	0	-0.14	None
GP-31C	5/7/2020 7:56	0	0.1	21	0	-0.05	None
GP-32A	5/7/2020 8:00	0	0.4	20.7	0	-0.02	None
GP-32B	5/7/2020 8:01	0	0.2	20.8	0	-0.05	None
GP-32C	5/7/2020 8:03	0	0.1	20.8	0	-0.02	None
GP-33A	5/7/2020 8:06	0	1.1	19.5	0	-0.02	None
GP-33B	5/7/2020 8:08	0	0.1	21	0	-0.05	None
GP-33C	5/7/2020 8:09	0	0.1	21	0	-0.99	None
GP-34A	5/7/2020 8:12	0	0.2	20.7	0	-0.07	NR WATER
GP-34B	5/7/2020 8:14	0	0.1	20.7	0	-0.02	None
GP-34C	5/7/2020 8:17	0	0.1	20.8	0	-2.82	None
GP-35A	5/7/2020 8:20	0	0.1	20.8	0	-0.05	None
GP-35B	5/7/2020 8:22	0	0.1	20.9	0	-0.06	None
GP-35C	5/7/2020 8:23	0	0.1	20.8	0	-0.05	None
GP-36A	5/7/2020 8:26	0	0.1	20.8	0	-0.03	None
GP-36B	5/7/2020 8:28	0	0.1	20.9	0	-0.05	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
May 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-36C	5/7/2020 8:29	0	0.1	20.9	0	-0.07	None
GP-37A	5/7/2020 8:33	0	0.1	20.9	0	-0.05	None
GP-37B	5/7/2020 8:34	0	0.1	20.9	0	-0.04	None
GP-37C	5/7/2020 8:35	0	0.1	20.9	0	-1.97	None
GP-39	5/7/2020 8:43	0	1.6	18.2	0	-0.04	None
GP-40	5/7/2020 8:47	0	0.1	18.8	0	-0.05	None
GP-41A	5/7/2020 8:51	0	0.1	20.8	0	-0.04	None
GP-41B	5/7/2020 8:52	0	0.1	20.8	0	-0.04	None
GP-41C	5/7/2020 8:54	0	0.1	20.8	0	0.01	None
GP-42A	5/7/2020 8:59	0	0.1	20.8	0	0	None
GP-42B	5/7/2020 9:00	0	0.5	19.7	0	-0.65	None
GP-43A	5/7/2020 9:04	0	0.1	20.7	0	0.02	None
GP-43B	5/7/2020 9:05	0	0.1	20.7	0	0.01	None
GP-43C	5/7/2020 9:07	0	0.1	20.7	0	-0.01	None
GP-44A	5/7/2020 9:11	0	0.1	20.6	0	0.01	None
GP-44B	5/7/2020 9:13	0	0.1	20.5	0	-0.03	None
GP-44C	5/7/2020 9:14	0	0.1	20.6	0	0.36	None
GP-45D	5/7/2020 9:42	0	0.1	20.1	0	-0.53	None
GP-45I	5/7/2020 9:41	0	0.1	20.1	0	0.04	None
GP-45S	5/7/2020 9:40	0	0.1	20.1	0	-0.09	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
June 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	6/23/2020 12:08	0.0	0.1	20.5	0	0.39	None
ATC-1S	6/23/2020 12:06	0.0	0.1	20.1	0	-0.03	None
ATC-6D	6/23/2020 13:36	0.0	0.5	7.7	0	0.18	None
ATC-6S	6/23/2020 13:35	0.0	0.1	20.8	0	0.02	None
ATC-8D	6/23/2020 13:41	0.0	4.0	15.8	0	0.03	None
ATC-8S	6/23/2020 13:40	0.0	0.3	17.9	0	0.34	None
GP-11A	6/23/2020 11:55	0.0	0.2	20.5	0	0.27	None
GP-11B	6/23/2020 11:56	0.0	0.1	21.0	0	0.91	None
GP-11C	6/23/2020 11:57	0.0	0.1	21.0	0	0.89	None
GP-11D	6/23/2020 11:59	0.0	0.1	20.9	0	0.26	None
GP-12A	6/23/2020 12:22	0.0	0.1	21.0	0	0.25	None
GP-12B	6/23/2020 12:23	0.0	0.1	21.0	0	0.26	None
GP-12C	6/23/2020 12:24	0.0	0.2	19.7	0	1.34	None
GP-12D	6/23/2020 12:26	0.0	0.3	20.9	0	0.49	None
GP-13A	6/23/2020 12:13	0.0	0.1	20.7	0	0.27	None
GP-13B	6/23/2020 12:14	0.0	0.1	20.7	0	0.38	None
GP-13C	6/23/2020 12:15	0.0	0.0	20.8	0	0.25	None
GP-13D	6/23/2020 12:16	0.0	0.1	20.6	0	0.9	None
GP-14A	6/23/2020 12:33	0.0	0.0	20.6	0	2.23	None
GP-14B	6/23/2020 12:34	0.0	0.0	20.8	0	0.31	None
GP-15A	6/23/2020 13:15	0.0	0.0	20.6	0	0.07	None
GP-15C	6/23/2020 13:17	0.0	0.8	14.8	0	0	None
GP-15D	6/23/2020 13:18	0.0	0.0	20.7	0	-1.25	None
GP-16A	6/23/2020 13:30	0.0	0.1	20.6	0	0.07	None
GP-16B	6/23/2020 13:31	0.0	0.1	20.7	0	0.45	None
GP-16C	6/23/2020 13:32	0.0	0.1	20.7	0	0.93	None
GP-17A	6/21/2020 9:41	0.0	0.0	0.0	0	0	NR H2O
GP-17B	6/21/2020 9:41	0.0	0.7	17.5	0	-0.14	None
GP-17C	6/21/2020 9:42	0.0	0.1	20.4	0	-1.38	None
GP-18A	6/21/2020 9:47	0.0	0.1	20.3	0	0.12	None
GP-18B	6/21/2020 9:48	0.0	0.3	15.0	0	0.07	None
GP-18C	6/21/2020 9:49	0.0	0.2	16.7	0	-1.36	None
GP-19A	6/21/2020 9:52	0.0	0.1	20.3	0	-0.01	None
GP-19B	6/21/2020 9:53	0.0	0.6	15.6	0	0.01	None
GP-19C	6/21/2020 9:55	0.0	0.1	20.4	0	-0.1	None
GP-20A	6/21/2020 12:33	0.0	0.1	20.4	0	0.03	None
GP-20B	6/21/2020 12:35	0.0	0.3	16.4	0	-0.04	None
GP-20C	6/21/2020 12:36	0.0	0.3	8.6	0	0.2	None
GP-21A	6/21/2020 13:03	0.0	0.1	20.5	0	0.16	None
GP-21B	6/21/2020 13:04	0.0	0.1	9.3	0	0	None
GP-21C	6/21/2020 13:06	0.0	0.1	20.4	0	-0.13	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
June 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol	CO2 (% Vol	O2 (% Vol	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-22A	6/21/2020 13:10	0.0	1.3	18.9	0	-4.42	None
GP-22C	6/21/2020 13:11	0.0	1.7	1.3	0	-1.32	None
GP-23A	6/23/2020 15:30	0.0	0.0	20.9	0	0.28	None
GP-23B	6/23/2020 15:32	0.0	0.0	20.9	0	-0.01	None
GP-23C	6/23/2020 15:33	0.0	0.0	20.9	0	-0.01	None
GP-24A	6/23/2020 15:37	0.0	4.7	5.8	0	-0.02	None
GP-24B	6/23/2020 15:38	0.0	1.0	16.4	0	0.07	None
GP-25	6/23/2020 15:41	0.0	4.5	11.3	0	0.45	None
GP-26	6/23/2020 15:44	0.0	0.7	18.5	0	0.19	None
GP-27	6/23/2020 15:48	0.0	7.7	7.5	0	0.04	None
GP-29A	6/23/2020 15:52	0.0	3.3	14.3	0	0.02	None
GP-29B	6/23/2020 15:53	0.0	0.6	20.1	0	1.54	None
GP-30A	6/14/2020 10:58	0.0	2.7	17.7	0	0	None
GP-30B	6/14/2020 11:00	0.0	1.3	19.6	0	-0.85	None
GP-31A	6/14/2020 11:03	0.0	0.0	0.0	0	0	NR H2O
GP-31B	6/14/2020 11:05	0.0	0.3	17.9	0	-0.62	None
GP-31C	6/14/2020 11:06	0.0	0.1	20.9	0	0	None
GP-32A	6/14/2020 11:09	0.0	0.1	21.0	0	-0.05	None
GP-32B	6/14/2020 11:11	0.0	0.1	21.0	0	-0.05	None
GP-32C	6/14/2020 11:12	0.0	0.1	21.0	0	-0.04	None
GP-33A	6/14/2020 11:21	0.0	1.4	19.2	0	0	None
GP-33B	6/14/2020 11:23	0.0	0.1	21.0	0	0	None
GP-33C	6/14/2020 11:24	0.0	0.1	21.0	0	-1.27	None
GP-34A	6/14/2020 11:29	0.0	0.0	0.0	0	0	NR H2O
GP-34B	6/14/2020 11:30	0.0	0.1	20.8	0	0	None
GP-34C	6/14/2020 11:31	0.0	0.1	20.1	0	-0.56	None
GP-35A	6/14/2020 11:34	0.0	0.2	20.7	0	0	None
GP-35B	6/14/2020 11:35	0.0	0.1	20.8	0	0	None
GP-35C	6/14/2020 11:37	0.0	0.2	20.7	0	0	None
GP-36A	6/14/2020 11:40	0.0	0.6	19.1	0	-0.04	None
GP-36B	6/14/2020 11:41	0.0	0.1	20.9	0	-0.1	None
GP-36C	6/14/2020 11:43	0.0	0.3	16.0	0	-0.14	None
GP-37A	6/14/2020 12:01	0.0	0.1	20.5	0	-0.04	None
GP-37B	6/14/2020 12:03	0.0	0.1	20.5	0	0	None
GP-37C	6/14/2020 12:04	0.0	0.5	4.5	0	-0.45	None
GP-39	6/14/2020 12:10	0.0	2.1	17.2	0	0	None
GP-40	6/14/2020 12:13	0.0	0.1	16.0	0	0	None
GP-41A	6/14/2020 12:19	0.0	0.1	20.6	0	0	None
GP-41B	6/14/2020 12:20	0.0	0.1	20.6	0	0.07	None
GP-41C	6/14/2020 12:21	0.0	0.1	20.6	0	0	None
GP-42A	6/14/2020 12:24	0.0	0.0	0.0	0	0	NR H2O

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
June 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol	CO2 (% Vol	O2 (% Vol	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-42B	6/14/2020 12:26	0.0	0.8	17.2	0	-0.35	None
GP-43A	6/14/2020 12:29	0.0	0.1	20.5	0	-0.07	None
GP-43B	6/14/2020 12:31	0.0	0.1	20.6	0	0	None
GP-43C	6/14/2020 12:32	0.0	0.1	19.5	0	0.02	None
GP-44A	6/14/2020 12:35	0.0	0.1	20.6	0	0.05	None
GP-44B	6/14/2020 12:37	0.0	0.4	17.4	0	1.6	None
GP-44C	6/14/2020 12:38	0.0	0.1	20.7	0	0	None
GP-45D	6/23/2020 11:53	0.0	0.1	21.0	0	0.78	None

Interior Probes

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
April 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	4/14/2020 11:58	0	0.1	20.3	0	0.01	None
ATC-3S	4/14/2020 11:57	0	0	20.3	0	-2.44	None
GP-1A	4/21/2020 21:25	0.0	0.2	21.0	0.0	0.11	None
GP-1B	4/21/2020 21:27	0.0	0.1	21.0	0.0	0.08	None
GP-2A	4/21/2020 21:50	0.0	6.4	12.3	0.0	0.06	None
GP-2B	4/21/2020 21:51	0.0	0.2	21.0	0.0	0.08	None
GP-3	4/21/2020 22:20	0.0	11.1	11.4	0.0	0.02	None
GP-46D	4/21/2020 22:29	0.0	0.1	21.0	0.0	-1.5	None
GP-46I	4/21/2020 22:27	0.5	0.1	21.0	10.0	-0.94	None
GP-46S	4/21/2020 22:25	0.0	0.2	21.0	0.0	0.0	None
GP-47D	4/14/2020 10:15	0	0.5	18.3	0	0.04	None
GP-47I	4/14/2020 10:14	0	0.1	19.9	0	-1.76	None
GP-47S	4/14/2020 10:13	0	0	20	0	-1.43	None
GP-48D	4/21/2020 22:40	0.0	0.1	21.0	0.0	-1.93	None
GP-48I	4/21/2020 22:38	0.0	0.2	21.0	0.0	-0.03	None
GP-48S	4/21/2020 22:36	0.0	0.3	19.4	0.0	0.02	None
GP-4A	4/21/2020 21:59	0.0	0.1	21.0	0.0	0.05	None
GP-4B	4/21/2020 22:01	0.0	0.1	21.0	0.0	0.05	None
GP-52	4/14/2020 9:59	0	0.1	19.7	0	0.14	None
GP-53	4/14/2020 10:01	0	0.3	18.9	0	-0.01	None
GP-54	4/14/2020 10:03	0	0	19.8	0	0	None
GP-55	4/21/2020 21:13	0.0	0.2	21.0	0.0	-0.77	None
GP-56	4/21/2020 21:11	0.2	0.6	20.4	4.0	0.02	None
GP-57	4/21/2020 21:06	31.0	15.7	9.2	>>>>	-10.25	None
GP-58	4/21/2020 21:03	0.0	8.1	18.0	0.0	-34.68	None
GP-59	4/21/2020 20:58	0.0	0.1	21.0	0.0	-0.81	None
GP-5A	4/14/2020 11:45	0	0	20.3	0	-3.69	None
GP-5BA	4/14/2020 11:48	0	0.2	20	0	0.18	None
GP-5BB	4/14/2020 11:49	0	0.1	20.3	0	-3.69	None
GP-5BC	4/14/2020 11:51	0	0.1	20.3	0	-3.61	None
GP-5BD	4/14/2020 11:52	0	0	20.4	0	-2.94	None
GP-60	4/21/2020 20:56	0.0	0.1	21.0	0.0	0.06	None
GP-61	4/21/2020 20:39	0.0	0.1	20.8	0.0	-0.8	None
GP-62	4/21/2020 20:41	0.0	1.6	19.8	0.0	0.06	None
GP-6A	4/21/2020 21:31	0.0	0.1	21.0	0.0	-2.57	None
GP-6B	4/21/2020 21:33	0.0	0.1	21.0	0.0	-2.18	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
April 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-6C	4/21/2020 21:34	0.0	0.1	21.0	0.0	-2.24	None
GP-6D	4/21/2020 21:36	0.0	0.1	21.0	0.0	-2.67	None
GP-6E	4/21/2020 21:38	0.0	0.1	21.0	0.0	-2.33	None
GP-6F	4/21/2020 21:40	0.0	0.1	21.0	0.0	-2.1	None
GP-6G	4/21/2020 21:42	0.0	0.1	21.0	0.0	-2.31	None
GP-6H	4/21/2020 21:44	0.0	0.1	21.0	0.0	-2.67	None
GP-7	4/21/2020 21:21	0.0	0.1	21.0	0.0	-2.2	None
GP-8	4/21/2020 21:17	0.0	0.1	21.0	0.0	-1.98	None
GP-9	4/21/2020 20:50	0.0	0.2	20.9	0.0	-2.06	None
GP-B4-1	4/21/2020 22:14	0.0	0.1	21.0	0.0	-2.73	None
GP-B4-2	4/21/2020 22:15	0.0	0.1	21.0	0.0	-1.85	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
May 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	5/7/2020 10:44	0.0	0.1	20.8	0.0	0.00	None
ATC-3S	5/7/2020 10:43	0.0	0.1	20.8	0.0	-2.78	None
GP-1A	5/14/2020 20:43	0.0	0.5	20.5	0	-0.02	None
GP-1B	5/14/2020 20:45	0.0	0.2	21.0	0	0.03	None
GP-2A	5/14/2020 21:03	0.0	8.6	8.5	0	-0.03	None
GP-2B	5/14/2020 21:05	0.0	0.3	20.8	0	-0.01	None
GP-3	5/14/2020 21:13	0.0	13.7	6.7	0	0.35	None
GP-46D	5/14/2020 21:19	0.0	0.2	20.8	0	-1.52	None
GP-46I	5/14/2020 21:17	17.6	1.5	0.2	>>>>	-0.18	None
GP-46S	5/14/2020 21:16	0.1	0.3	19.7	2	-0.05	None
GP-47D	5/7/2020 11:32	0.0	0.3	19.2	0.0	0.01	None
GP-47I	5/7/2020 11:31	0.0	0.2	20.2	0.0	-2.29	None
GP-47S	5/7/2020 11:29	0.0	0.0	20.4	0.0	-2.15	None
GP-48D	5/14/2020 21:27	0.0	0.2	21.0	0	-1.53	None
GP-48I	5/14/2020 21:25	0.1	0.3	20.7	2	-0.03	None
GP-48S	5/14/2020 21:24	0.1	0.7	16.6	2	-0.01	None
GP-4A	5/14/2020 21:33	0.0	11.9	5.3	0	0.02	None
GP-4B	5/14/2020 21:35	0.0	0.3	20.8	0	0.04	None
GP-52	5/7/2020 11:17	0.0	0.1	20.5	0.0	-0.02	None
GP-53	5/7/2020 11:18	0.0	0.1	20.1	0.0	-0.10	None
GP-54	5/7/2020 11:20	0.0	0.1	20.5	0.0	0.00	None
GP-55	5/14/2020 20:32	0.0	0.5	20.9	0	-0.98	None
GP-56	5/14/2020 20:34	0.0	0.5	20.6	0	-0.02	None
GP-57	5/14/2020 20:28	28.7	15.3	8.7	>>>>	-9.28	None
GP-58	5/14/2020 20:29	0.0	0.0	0.0	0	0	NR Plugged
GP-59	5/14/2020 20:22	0.0	0.2	21.0	0	-0.67	None
GP-5A	5/7/2020 10:32	0.0	0.1	20.7	0.0	-4.40	None
GP-5BA	5/7/2020 10:35	0.0	0.1	20.7	0.0	-0.01	None
GP-5BB	5/7/2020 10:36	0.0	0.1	20.7	0.0	-4.33	None
GP-5BC	5/7/2020 10:37	0.0	0.1	20.8	0.0	-4.36	None
GP-5BD	5/7/2020 10:39	0.0	0.1	20.8	0.0	-3.82	None
GP-60	5/14/2020 20:24	0.0	0.2	21.0	0	-0.02	None
GP-61	5/14/2020 20:10	0.0	0.2	21.0	0	-0.61	None
GP-62	5/14/2020 20:13	0.0	2.0	19.1	0	0.01	None
GP-6A	5/14/2020 20:48	0.0	0.2	21.0	0	-1.79	None
GP-6B	5/14/2020 20:49	0.0	0.2	20.9	0	-1.59	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
May 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-6C	5/14/2020 20:51	0.0	0.2	20.9	0	-1.61	None
GP-6D	5/14/2020 20:53	0.0	0.2	20.9	0	-1.85	None
GP-6E	5/14/2020 20:55	0.0	0.7	18.3	0	-1.6	None
GP-6F	5/14/2020 20:56	0.0	0.2	20.9	0	-1.55	None
GP-6G	5/14/2020 20:58	0.0	0.2	20.9	0	-1.57	None
GP-6H	5/14/2020 20:59	0.0	0.2	20.9	0	-1.98	None
GP-7	5/14/2020 20:40	0.0	0.2	20.9	0	-1.71	None
GP-8	5/14/2020 20:37	0.0	0.2	21.0	0	-1.66	None
GP-9	5/14/2020 20:17	0.0	0.3	20.8	0	-1.6	None
GP-B4-1	5/14/2020 21:08	0.0	0.2	20.9	0	-2.26	None
GP-B4-2	5/14/2020 21:10	0.0	0.2	21.0	0	-1.6	None

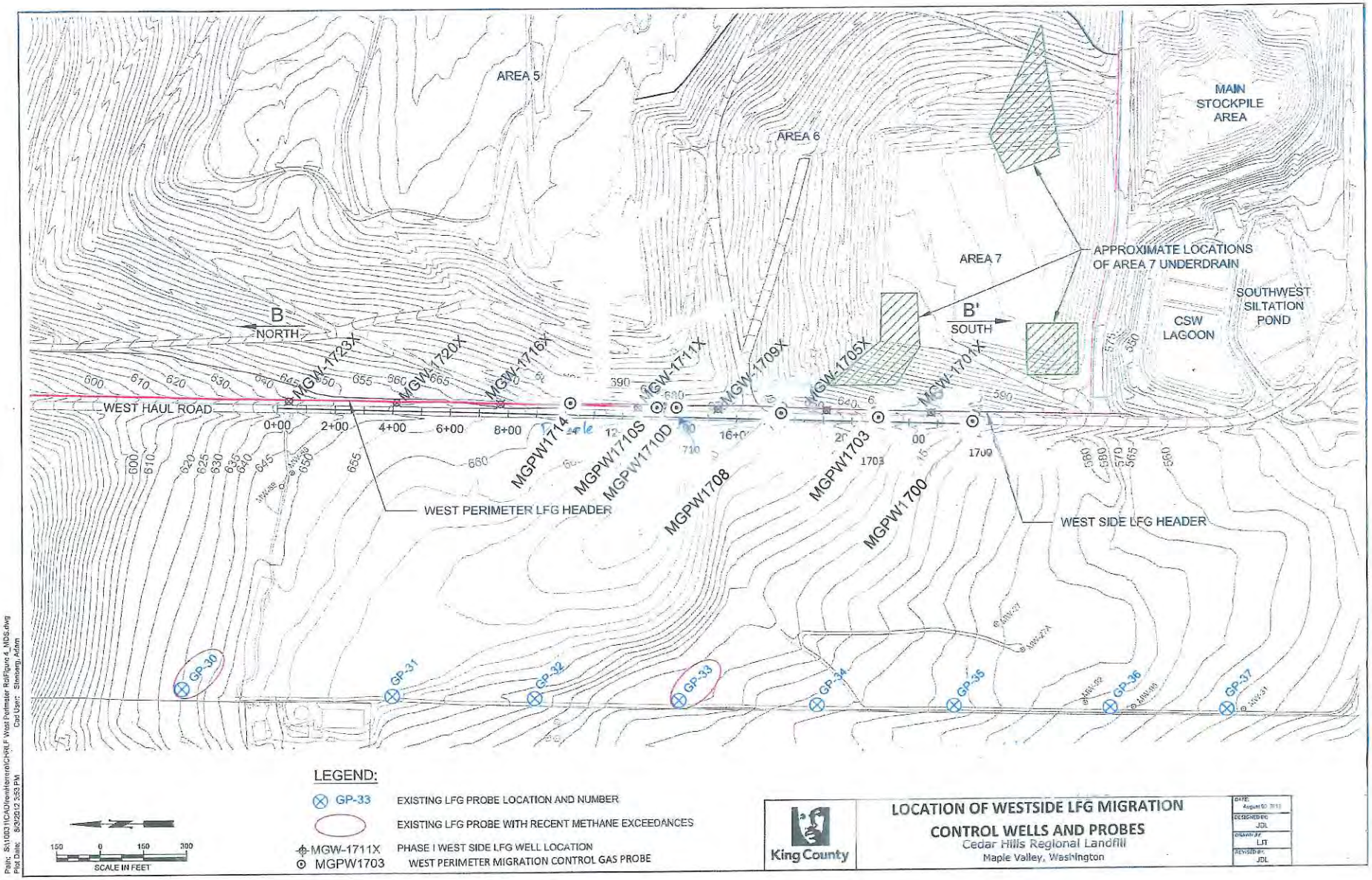
CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
June 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	6/23/2020 13:11	0.0	0.0	0.0	0	0	None
ATC-3S	6/23/2020 13:10	0.0	0.1	20.6	0	0.19	None
GP-1A	6/14/2020 22:10	0.0	0.1	21.0	0.0	0.02	None
GP-1B	6/14/2020 22:12	0.0	0.2	21.0	0.0	0.02	None
GP-2A	6/14/2020 22:33	0.0	9.7	4.3	0.0	0.00	None
GP-2B	6/14/2020 22:35	0.0	0.1	21.0	0.0	0.00	None
GP-3	6/14/2020 22:59	0.0	1.6	19.5	0.0	-0.02	None
GP-46D	6/14/2020 23:08	0.0	0.1	21.0	0.0	0.43	None
GP-46I	6/14/2020 23:06	17.0	1.1	1.2	>>>>	1.14	None
GP-46S	6/14/2020 23:04	0.0	0.1	17.9	0.0	-0.01	None
GP-47D	6/23/2020 11:44	0.0	0.9	16.7	0	0.19	None
GP-47I	6/23/2020 11:43	14.2	11.8	6.3	>>>>	1.3	None
GP-47S	6/23/2020 11:42	0.0	0.2	20.5	0	1.41	None
GP-48D	6/14/2020 23:18	0.0	0.1	21.0	0.0	0.31	None
GP-48I	6/14/2020 23:17	0.0	0.2	21.0	0.0	-0.15	None
GP-48S	6/14/2020 23:15	0.0	0.8	14.8	0.0	0.07	None
GP-4A	6/14/2020 22:44	0.0	0.1	21.0	0.0	-0.04	None
GP-4B	6/14/2020 22:46	0.0	0.1	21.0	0.0	-0.02	None
GP-52	6/14/2020 15:05	0.0	0.1	20.3	0	0.03	None
GP-53	6/14/2020 15:06	0.0	0.4	18.9	0	-0.17	None
GP-54	6/14/2020 15:08	0.0	0.1	20.2	0	-0.02	None
GP-55	6/14/2020 21:53	0.1	1.0	20.5	2.0	-0.45	None
GP-56	6/14/2020 21:51	0.2	0.3	20.6	4.0	0.03	None
GP-57	6/14/2020 21:45	30.4	16.4	8.3	>>>>	-9.29	None
GP-58	6/14/2020 21:43	0.0	16.7	15.0	0.0	-44.85	NR H2O
GP-59	6/14/2020 21:38	0.0	0.2	20.7	0.0	0.06	None
GP-5A	6/14/2020 15:17	0.0	0.1	20.3	0	-0.7	None
GP-5BA	6/14/2020 15:19	0.0	0.0	0.0	0	0	NR H2O
GP-5BB	6/14/2020 15:21	0.0	0.1	20.4	0	-0.66	None
GP-5BC	6/14/2020 15:22	0.0	0.1	20.4	0	-0.65	None
GP-5BD	6/14/2020 15:23	0.0	0.1	20.4	0	-0.79	None
GP-60	6/14/2020 21:36	0.0	0.1	20.6	0.0	-0.27	None
GP-61	6/14/2020 21:23	0.0	0.1	20.6	0.0	0.13	None
GP-62	6/14/2020 21:21	0.0	2.2	18.3	0.0	0.01	None
GP-6A	6/14/2020 22:15	0.0	0.1	21.0	0.0	-0.33	None
GP-6B	6/14/2020 22:17	0.0	0.1	21.0	0.0	0.28	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
June 2020 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-6C	6/14/2020 22:19	0.0	0.1	21.0	0.0	0.27	None
GP-6D	6/14/2020 22:20	0.0	0.1	21.0	0.0	-0.03	None
GP-6E	6/14/2020 22:22	0.0	0.1	21.0	0.0	0.30	None
GP-6F	6/14/2020 22:24	0.0	0.1	21.0	0.0	0.29	None
GP-6G	6/14/2020 22:26	0.0	0.1	21.0	0.0	0.33	None
GP-6H	6/14/2020 22:28	0.0	0.1	21.0	0.0	0.03	None
GP-7	6/14/2020 22:06	0.0	0.2	20.9	0.0	0.03	None
GP-8	6/14/2020 21:58	1.4	16.5	7.2	28.0	-0.25	None
GP-9	6/14/2020 21:30	0.0	0.7	19.8	0.0	-0.05	None
GP-B4-1	6/14/2020 22:51	0.0	0.2	21.0	0.0	-1.41	NR H2O
GP-B4-2	6/14/2020 22:54	0.0	0.1	21.0	0.0	0.35	None

On-Site Building Monitoring


AREA 5
AREA 6
AREA 7
MAIN STOCKPILE AREA
APPROXIMATE LOCATIONS OF AREA 7 UNDERDRAIN
SOUTHWEST SILTATION POND
CSW LAGOON
B
NORTH
B'
SOUTH
WEST HAUL ROAD
MGW-1723X
MGW-1720X
MGW-1716X
MGW-1711X
MGW-1709X
MGW-1705X
MGW-1701X
MGPW1714
MGPW1710S
MGPW1710D
MGPW1708
MGPW1703
MGPW1700
WEST PERIMETER LFG HEADER
WEST SIDE LFG HEADER
GP-30
GP-31
GP-32
GP-33
GP-34
GP-35
GP-36
GP-37
LEGEND:
GP-33 EXISTING LFG PROBE LOCATION AND NUMBER
EXISTING LFG PROBE WITH RECENT METHANE EXCEEDANCES
MGW-1711X PHASE I WEST SIDE LFG WELL LOCATION
MGPW1703 WEST PERIMETER MIGRATION CONTROL GAS PROBE
150 0 150 300
SCALE IN FEET
King County
LOCATION OF WESTSIDE LFG MIGRATION CONTROL WELLS AND PROBES
Cedar Hills Regional Landfill
Maple Valley, Washington
DATE: August 30, 2013
DESIGNED BY: JDL
DRAWN BY: LJT
REVISED BY: JDL

CEDAR HILLS REGIONAL LANDFILL

West Perimeter Landfill Gas Migration Control Probes

Second Quarter 2020 Monitoring Data

			Barometric				Static	
Probe ID	**Date**	**Time**	**Pressure in Hg**	**CH4 %vol**	**CO2 %vol**	**O2 %vol**	**Pressure in INWC**	**Comments**
MGPW 1700	4/14/2020 0:00	7:55am	30.2	0.0	0.3	21.1	-0.09	
MGPW 1700	4/22/2020 0:00	7:33am	30.1	0.0	0.4	21.10	0.04	
MGPW 1700	5/3/2020 0:00	9:56am	30.1	0.0	0.2	21.00	-0.04	
MGPW 1700	5/12/2020 0:00	11:29am	29.7	0.0	0.2	20.20	-0.34	
MGPW 1700	5/17/2020 0:00	0.4	29.7	0.0	0.3	20.80	0.08	
MGPW 1700	6/5/2020 0:00	10:00am	29.8	0.0	0.4	20.10	-0.09	
MGPW 1701	6/19/2020 0:00	1:30pm	29.9	0.0	0.2	19.70	0.12	
MGPW 1708	4/14/2020 0:00	7:41am	30.2	0.0	0.4	21.00	-1.56	
MGPW 1708	4/22/2020 0:00	7:23am	30.1	0.0	0.3	21.2	0.09	
MGPW 1708	5/3/2020 0:00	10:05am	30.1	0.0	0.4	20.7	-3.52	
MGPW 1708	5/12/2020 0:00	11:44am	29.7	0.0	0.3	20.3	-0.64	
MGPW 1708	5/17/2020 0:00	0.4	29.7	0.0	3.8	15.40	-0.51	
MGPW 1708	6/5/2020 0:00	9:58am	29.8	0.0	8.3	6.20	0.81	
MGPW 1709	6/19/2020 0:00	1:31pm	29.9	0.0	0.1	19.70	0.36	
MGPW 1710S	4/14/2020 0:00	7:32am	30.2	0.0	0.3	21.00	-1.5	
MGPW 1710S	4/22/2020 0:00	7:15am	30.1	0.0	0.4	20.9	-0.01	
MGPW 1710S	5/3/2020 0:00	10:15am	30.1	0.0	0.3	21	-3.38	
MGPW 1710S	5/12/2020 0:00	11:52am	29.7	0.0	0.1	20.7	-0.87	
MGPW 1710S	5/17/2020 0:00	0.4	29.7	0.0	0.3	21.00	-0.54	
MGPW 1710S	6/5/2020 0:00	9:56am	29.8	0.0	11.8	9.00	0.48	
MGPW 1710S	6/19/2020 0:00	1:32pm	29.9	0.0	0.1	19.70	0.12	
MGPW 1710D	4/14/2020 0:00	7:29am	30.2	0.0	0.3	21.00	-1.46	
MGPW 1710D	4/22/2020 0:00	7:17am	30.1	0.0	0.3	21.1	0.08	
MGPW 1710D	5/3/2020 0:00	10:17am	30.1	0.0	0.2	21	-3.26	
MGPW 1710D	5/12/2020 0:00	11:51am	29.7	0.0	0.2	20.5	-0.81	
MGPW 1710D	5/17/2020 0:00	0.4	29.7	0.5	2.7	18.4	-0.52	
MGPW 1710D	6/5/2020 0:00	9:54am	29.8	2.9	9.3	9.8	0.61	
MGPW 1710D	6/19/2020 0:00	1:33pm	29.9	0.0	0.1	20.00	0.26	
MGPW 1714	4/14/2020 0:00	7:22am	30.2	0.0	0.3	20.90	-1.4	
MGPW 1714	4/22/2020 0:00	7:09am	30.1	0.0	0.3	20.90	0.03	

CEDAR HILLS REGIONAL LANDFILL

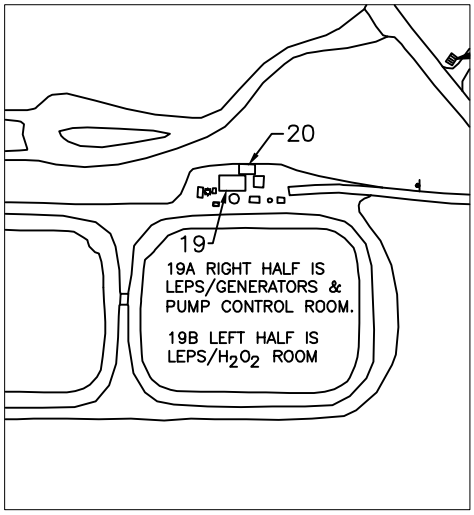
West Perimeter Landfill Gas Migration Control Probes

Second Quarter 2020 Monitoring Data

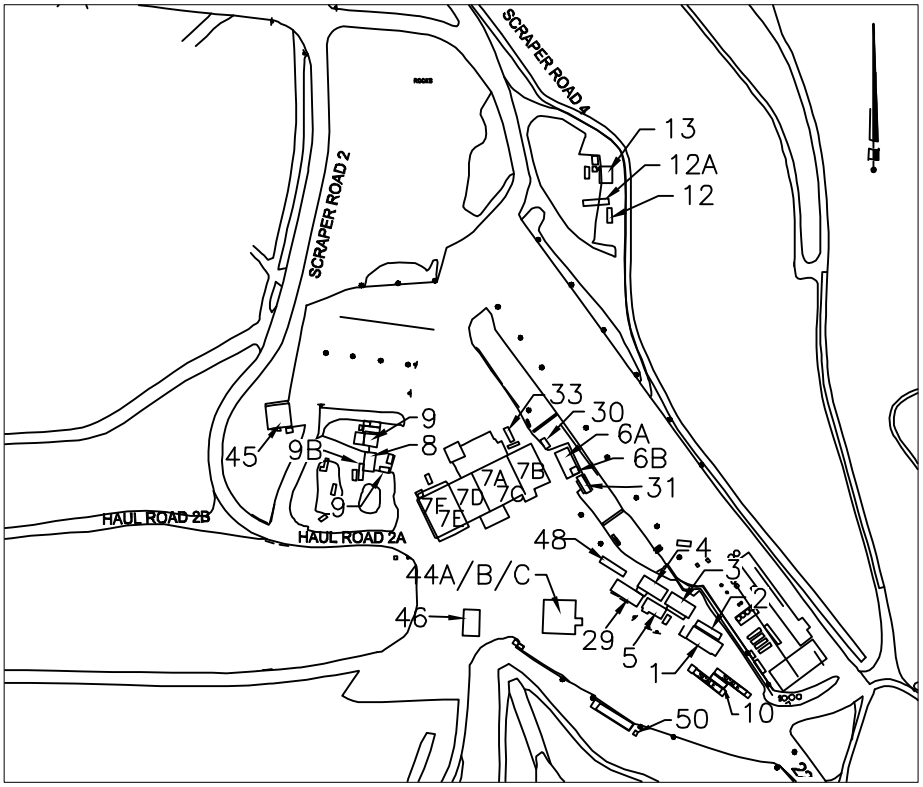
			Barometric				Static	
Probe ID	**Date**	**Time**	**Pressure in Hg**	**CH4 %vol**	**CO2 %vol**	**O2 %vol**	**Pressure in INWC**	**Comments**
MGPW 1714	5/3/2020 0:00	10:22am	30.1	0.0	0.3	21.00	-3.22	
MGPW 1714	5/12/2020 0:00	12:06pm	29.7	0.0	0.2	20.90	-0.89	
MGPW 1714	5/17/2020 0:00	0.4	29.7	0.0	0.3	21.00	-0.56	
MGPW 1714	6/5/2020 0:00	9:50am	29.8	0.0	0.4	20.10	0.52	
MGPW 1715	6/19/2020 0:00	1:35pm	29.9	0.0	0.1	19.70	0.17	

Migration Probes

Aeration Ponds



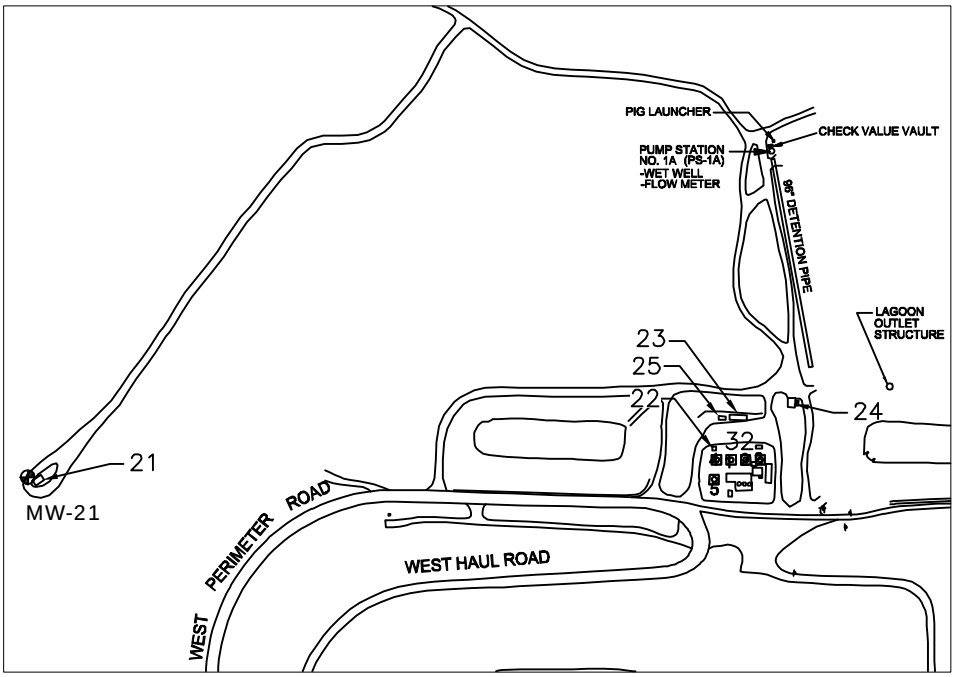
Shop and Office Buildings



BUILDING NO.	EO Description
1	Front Office
2	Conference Room
3	Vacant (Old Payroll Trailer)
4	Engineering Trailer
5	Lunch Room Trailer
6A	Dry Storage
6B	Electrician Office
7	Maintenance Shop
7A	Shop Office
7B	Stores–Shipping/Receiving
7C	Trailer Bay and Pit Area
7D	Tire Shop and Trailer Bay
7E	East Weld Shop
7F	West Weld Shop
8	Carpenter's Shop
9	Wastewater Shed
9B	Carpenter Storage
10	Scale House
11	New Eqpt. Operator's Trailer
12	EQ. Operator's Trailer (Old)
13	WW Compressor
16	Generator (Not Shown)
19	LEPS (P.S. #5)
19A	LEPS Pump Control Room
19B	LEPS/H_2O_2 room
20	LEPS, Elec Panels
21	Storage(Old PS1)
22	Storage/N.Flare
23	LFGAS Office
24	NE Generator Bldg.
25	Storage BLDG. @ N.F.S.
29	OPS Administration Office
30	Women Brk Rm.
31	Landfill Leads/Accts Payable
32	North Flare Station
33	SPOC trailer
44A	Truck Wash West Restroom
44B	Truck Wash East Restroom
44C	Pressure Wash Room
45	Heavy Equipment Canopy
46	Fuel Island
48	Operations Planning
49	CCG Faster (Not Shown)
50	Chlorine Shed

CEDAR HILLS REGIONAL LANDFILL BUILDING NUMBERS

North Flare Station



Source: KCSWD, February 2012

King County

Landfill Gas Structure Monitoring Location

Environmental Monitoring Sampling and Analysis Plan

Cedar Hills Regional Landfill, King County, Washington

DATE: February 2012	PROJECT NO.
DESIGNED BY:	
DRAWN BY:	FIGURE NO.
REVISED BY: -	

SECOND QUARTER
BUILDING MONITORING

King County

INSTRUMENT: Place check by instrument used : SEM 5000 **X**

WEATHER: PARTLY CLOUDY

DATE: 04/08/20

TECH: DNS

ENVIS ID		BLDG #	DESCRIPTION	CH_4 (ppm)	REMARKS	BAR PRESS (in. Hg)	TIME
GOC- 04/08/20		1	FRONT OFFICE	**0**		30.11	8:00 PM
GCR- 04/08/20		2	CONF ROOM	**0**			
GAO- 04/08/20		3	PAYROLL OFFICE	**0**			
GEO- 04/08/20		4	ENGR. OFFICE	**0**			
GLRC- 04/08/20		5	LUNCHROOM	**0**			
GSPC 04/08/20			SPOC	**0**			
GELO- 04/08/20	A	6A	DRY STORAGE	**0**			
GELO- 04/08/20	B	6B	ELECTRICIAN OFFICE	**0**			
GAP- 04/08/20			ACCOUNT PAYABLE	**0**			
GSO- 04/08/20	A	7A	SHOP OFFICE	**0**			
GPR- 04/08/20	B	7B	PARTS ROOM	**0**			
GMS- 04/08/20	C	7C	SHOP PIT AREA/BAY	**0**			
GTB- 04/08/20	D	7D	SHOP TIRE BAY	**0**			
GEW- 04/08/20	E	7E	EAST WELD SHOP	**0**			
GWW- 04/08/20	F	7F	WEST WELD SHOP	**0**			
GCS- 04/08/20		8	CARPENTER'S	**0**			
GSS- 04/08/20		9	WASTEWATER	**0**			
GSS- 04/08/20	B	9B	CARPENTER/STORAGE	**0**			
GSH- 04/08/20		10	SCALEHOUSE	**0**			
GB13- 04/08/20		13	WW COMPRESSOR	**0**			
GB16- 04/08/20		16	GENERATOR	**0**			
GB19- 04/08/20		19	LEPS (P.S.# 5)	**0**			
GB19- 04/08/20	B	19B	LEPS/H_2O_2 ROOM	**N/A**	BULDG. REMOVED		
GB20- 04/08/20		20	LEPS ELEC PANALS	**0**			
GB21- 04/08/20		21	STORAGE(OLD PS 1)	**N/A**			
GB22- 04/08/20		22	STORAGE/N FLARE	**0**			
GB23- 04/08/20		23	LFGAS	**0**			
GB24- 04/08/20		24	NE GENERATOR BLDG	**0**			
GBWW- 04/08/20		30	WOMEN BRK RM	**0**			
GPWT- 04/08/20		PW	PRESSURE WASH RM	**0**			
GBRR- 04/08/20		RR	TRUCKWASH RR W	**0**			
GBSS- 04/08/20		SS	TRUCKWASH RR E	**0**			
GBZZ- 04/08/20		29	MANAGERS TRAILER	**0**			
GBPT- 04/08/20			CCG FASTER	**0**			
GCLS- 04/08/20			CHLORINE SHED	**0**			

Data Qualifiers

KING COUNTY SOLID WASTE DIVISION
QUALIFIER INFORMATION
(Effective 8/27/2015)

QUAL	QUALIFIER DESCRIPTION
U	Undetected; Analyte Concentration Less than Method Detection Limit (< MDL)
T	Estimated; Less than Reporting Detection Limit (<RDL) but Greater than Method Detection Limit (> MDL)
J	Reported Value is an Estimate
B	Matrix Target Analyte Present in Blank, AND, Sample Result Less than or Equal to 10x Blank Detection
C	Confluent Growth
E	Estimated; Outside Expected Accuracy
H	Exceeds Holding Time
R	Data Rejected
S	Sample Handling Errors
X	Too Numerous to Count
D	Re-analysis Due to Dilution
P	PASS – Qualitative Result Acceptable
F	FAIL – Qualitative Result is not Acceptable
G	Estimated with Low Bias (Coliform; BOD; All Other Chemistry Parameters)
L	Estimated with High Bias (BOD; All Other Chemistry Parameters)

APPENDIX C

Meteorological Data

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/1/20 0:00	2.06	147.3	12.27	3.033	29.22	0
4/1/20 0:15	3.944	181.6	16.74	3.437	29.22	0
4/1/20 0:30	4.593	190.7	11.23	3.534	29.22	0
4/1/20 0:45	4.068	188.9	10.67	3.514	29.22	0
4/1/20 1:00	3.934	197	7.385	3.495	29.22	0
4/1/20 1:15	4.458	188.9	7.617	3.476	29.22	0
4/1/20 1:30	3.373	179	11.54	3.457	29.22	0
4/1/20 1:45	3.209	181.5	13.42	3.399	29.22	0
4/1/20 2:00	2.691	155.1	24.24	3.379	29.22	0
4/1/20 2:15	2.847	136.7	8.38	3.187	29.22	0
4/1/20 2:30	3.507	151.6	13.43	3.09	29.22	0
4/1/20 2:45	2.662	159.2	14.22	2.975	29.22	0
4/1/20 3:00	3.053	124.4	17.62	2.955	29.21	0
4/1/20 3:15	3.902	121.4	12.33	2.83	29.21	0.01
4/1/20 3:30	3.472	114.3	8.08	2.782	29.21	0
4/1/20 3:45	2.999	125	9.21	2.782	29.21	0
4/1/20 4:00	1.561	136.5	7.046	2.782	29.21	0
4/1/20 4:15	0.143	135.3	0.286	2.801	29.21	0
4/1/20 4:30	0.716	163.4	14.06	2.898	29.21	0
4/1/20 4:45	1.314	161.6	14.21	2.898	29.21	0
4/1/20 5:00	1.481	148.6	18.55	2.821	29.2	0
4/1/20 5:15	1.647	107.8	12.99	2.782	29.2	0
4/1/20 5:30	1.004	98.3	14.04	2.753	29.2	0
4/1/20 5:45	2.041	111.5	8.08	2.762	29.2	0
4/1/20 6:00	1.843	111.9	5.77	2.762	29.2	0
4/1/20 6:15	1.937	121	11.93	2.782	29.2	0
4/1/20 6:30	0.863	93.3	13.02	2.946	29.2	0
4/1/20 6:45	0.935	70.25	9.16	2.984	29.2	0
4/1/20 7:00	1.585	22.6	15.24	3.196	29.22	0
4/1/20 7:15	1.417	355.6	13.54	3.543	29.22	0
4/1/20 7:30	0.522	351.7	18.28	3.746	29.22	0
4/1/20 7:45	2.02	283.7	21.62	3.862	29.22	0
4/1/20 8:00	2.564	289.8	13.12	4.016	29.23	0
4/1/20 8:15	1.989	273.9	16.94	4.383	29.23	0
4/1/20 8:30	1.795	307.7	34.57	4.682	29.23	0
4/1/20 8:45	2.289	224.8	13.94	4.488	29.23	0
4/1/20 9:00	1.546	237.2	20.5	4.611	29.23	0
4/1/20 9:15	2.044	227.7	24.66	4.89	29.23	0
4/1/20 9:30	1.792	268	28.32	5.791	29.23	0
4/1/20 9:45	1.461	306.3	32.87	6.635	29.23	0
4/1/20 10:00	1.458	292.7	42.09	7.288	29.24	0
4/1/20 10:15	5.873	262.2	26.63	7.671	29.24	0
4/1/20 10:30	8.39	289.3	21.97	5.94	29.24	0.04
4/1/20 10:45	7.287	313.1	16.05	4.592	29.24	0.03
4/1/20 11:00	5.228	278	13.58	5.096	29.23	0.02
4/1/20 11:15	7.087	320.7	23.75	6.135	29.23	0
4/1/20 11:30	6.283	322.5	26.01	4.786	29.23	0.02
4/1/20 11:45	7.15	299.6	10.55	4.903	29.23	0.01
4/1/20 12:00	7.005	312.6	17.31	5.271	29.25	0
4/1/20 12:15	7.583	318.3	13.58	4.693	29.25	0
4/1/20 12:30	6.32	288	7.406	6.264	29.25	0
4/1/20 12:45	7.636	301.2	13.23	6.809	29.25	0
4/1/20 13:00	8.99	328.1	13.24	7.141	29.23	0
4/1/20 13:15	7.864	334.4	17.66	6.994	29.23	0
4/1/20 13:30	8.55	2.895	16.56	6.086	29.23	0.01
4/1/20 13:45	6.594	20.29	20.11	5.29	29.23	0
4/1/20 14:00	5.203	33.76	11.63	6.398	29.23	0
4/1/20 14:15	6.612	12.07	27.15	7.238	29.23	0
4/1/20 14:30	8.55	3.97	24.47	7.906	29.23	0
4/1/20 14:45	7.627	339.1	13.32	7.258	29.23	0
4/1/20 15:00	5.318	343.3	21.64	6.564	29.25	0
4/1/20 15:15	4.316	359	41.64	8.32	29.25	0
4/1/20 15:30	3.591	15.78	50.79	8.88	29.25	0
4/1/20 15:45	11.49	0.054	17.25	8.37	29.25	0
4/1/20 16:00	11.5	30.3	14.94	6.291	29.25	0
4/1/20 16:15	5.974	53.17	12.93	6.456	29.25	0
4/1/20 16:30	6.438	33.42	17.67	6.935	29.25	0
4/1/20 16:45	7.872	21.03	12.67	6.886	29.25	0
4/1/20 17:00	7.221	7.127	12.75	6.447	29.26	0
4/1/20 17:15	5.796	28.79	15.54	6.476	29.26	0
4/1/20 17:30	2.74	39.6	15.32	6.827	29.26	0
4/1/20 17:45	4.805	31.76	14.14	6.788	29.26	0
4/1/20 18:00	4.902	35.91	11.03	6.32	29.25	0
4/1/20 18:15	5.45	36.29	7.653	6.125	29.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/1/20 18:30	5.887	31.96	6.775	5.794	29.25	0
4/1/20 18:45	5.886	27.91	6.104	5.503	29.25	0
4/1/20 19:00	4.246	17.77	5.911	5.464	29.26	0
4/1/20 19:15	3.752	18.43	10.85	5.339	29.26	0
4/1/20 19:30	1.326	17.5	14.64	5.023	29.26	0
4/1/20 19:45	0.692	357.8	6.749	4.941	29.26	0
4/1/20 20:00	0.975	234.8	64.24	4.962	29.28	0
4/1/20 20:15	2.419	227.1	70.2	4.692	29.28	0
4/1/20 20:30	3.815	208.1	12.99	4.692	29.28	0
4/1/20 20:45	2.64	171.3	33.26	4.219	29.28	0
4/1/20 21:00	2.45	104.4	15.27	3.543	29.29	0
4/1/20 21:15	1.132	80.1	3.497	3.061	29.29	0
4/1/20 21:30	0.445	72.49	2.104	2.676	29.29	0
4/1/20 21:45	1.704	104	43.6	3.061	29.29	0
4/1/20 22:00	1.8	176.2	20.14	3.611	29.3	0
4/1/20 22:15	1.318	102.9	19.79	3.62	29.3	0
4/1/20 22:30	1.737	153.5	40.78	3.206	29.3	0
4/1/20 22:45	2.785	186.4	22.73	2.792	29.3	0
4/1/20 23:00	3.659	200	9.36	2.464	29.28	0
4/1/20 23:15	2.606	166.7	28.78	1.964	29.28	0
4/1/20 23:30	2.149	60.5	12.28	1.713	29.28	0
4/1/20 23:45	1.885	85.3	33.51	1.829	29.28	0
4/2/20 0:00	2.576	156	15.98	2.541	29.32	0
4/2/20 0:15	1.625	113	27.85	2.879	29.32	0
4/2/20 0:30	2.517	103	5.661	2.754	29.32	0
4/2/20 0:45	1.515	103.5	6.212	2.811	29.32	0
4/2/20 1:00	2.333	160.5	32.42	2.878	29.31	0
4/2/20 1:15	2.054	212.3	14.34	3.119	29.31	0
4/2/20 1:30	3.689	219.5	7.815	2.445	29.31	0
4/2/20 1:45	4.683	193.8	12.53	2.358	29.31	0
4/2/20 2:00	4.908	182.7	8.89	2.06	29.31	0
4/2/20 2:15	3.174	145.9	17.25	1.838	29.31	0
4/2/20 2:30	2.264	114.3	6.835	1.675	29.31	0
4/2/20 2:45	2.404	104.3	5.471	1.53	29.31	0
4/2/20 3:00	3.863	124.1	16.07	1.732	29.33	0
4/2/20 3:15	4.731	168.2	10.11	2.349	29.33	0
4/2/20 3:30	3.587	163	12.81	2.522	29.33	0
4/2/20 3:45	2.964	143	14.31	2.233	29.33	0
4/2/20 4:00	3.029	143.2	9.61	2.195	29.32	0
4/2/20 4:15	3.404	126.4	8.16	2.214	29.32	0
4/2/20 4:30	2.782	143.9	12.49	2.561	29.32	0
4/2/20 4:45	3.559	167	9.05	3.061	29.32	0
4/2/20 5:00	4.08	149.3	9.65	2.994	29.33	0
4/2/20 5:15	4.437	139.2	5.751	3.148	29.33	0
4/2/20 5:30	4.807	153.9	6.112	2.994	29.33	0
4/2/20 5:45	5.531	152.1	8	2.772	29.33	0
4/2/20 6:00	3.067	113.4	17.1	2.532	29.34	0
4/2/20 6:15	4.35	124.6	7.335	2.907	29.34	0
4/2/20 6:30	4.236	135.5	10.34	2.927	29.34	0
4/2/20 6:45	3.829	164.5	16.67	2.917	29.34	0
4/2/20 7:00	5.399	170.9	9.21	2.946	29.34	0
4/2/20 7:15	4.65	171.5	10.33	3.023	29.34	0
4/2/20 7:30	6.118	182.6	8.72	2.984	29.34	0
4/2/20 7:45	6.281	164	11.7	2.821	29.34	0
4/2/20 8:00	5.135	139.5	10.49	3.119	29.34	0
4/2/20 8:15	3.578	148.8	25.97	3.283	29.34	0
4/2/20 8:30	5.335	144	14.11	3.601	29.34	0
4/2/20 8:45	5.885	136.7	9.41	3.64	29.34	0
4/2/20 9:00	5.324	151	12.89	4.151	29.34	0
4/2/20 9:15	5.098	158.9	15.25	4.171	29.34	0
4/2/20 9:30	4.991	185.3	13.16	4.402	29.34	0
4/2/20 9:45	4.597	187	18.42	4.981	29.34	0
4/2/20 10:00	5.256	181.9	18.55	5.308	29.34	0
4/2/20 10:15	5.015	185.7	28.04	5.89	29.34	0
4/2/20 10:30	6.117	201.1	25.84	5.597	29.34	0.01
4/2/20 10:45	6.472	179	17.12	5.564	29.34	0.02
4/2/20 11:00	4.736	218.9	13.18	5.671	29.36	0
4/2/20 11:15	5.929	207.1	21.98	5.769	29.36	0
4/2/20 11:30	6.43	183	21.16	5.876	29.36	0
4/2/20 11:45	10.53	186.9	19.11	5.507	29.36	0.02
4/2/20 12:00	10.77	175.9	15.87	4.799	29.34	0
4/2/20 12:15	9.4	155.2	8.83	5.557	29.34	0
4/2/20 12:30	8.66	145.7	15.11	6.648	29.34	0
4/2/20 12:45	7.711	134.2	14.5	5.914	29.34	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/2/20 13:00	9.17	138.3	13.18	5.292	29.35	0
4/2/20 13:15	7.673	148	10.09	4.903	29.35	0
4/2/20 13:30	6.862	140.6	10.88	5.116	29.35	0
4/2/20 13:45	8.19	139.8	13.25	6.175	29.35	0
4/2/20 14:00	5.657	133.1	15.04	5.535	29.34	0
4/2/20 14:15	4.249	181.5	46.73	5.38	29.34	0.05
4/2/20 14:30	6.551	174.7	29.53	5.653	29.34	0.02
4/2/20 14:45	5.657	119.4	13.71	5.732	29.34	0
4/2/20 15:00	9.02	110.5	11.6	5.441	29.33	0
4/2/20 15:15	5.755	125.9	21.52	6.088	29.33	0
4/2/20 15:30	6.095	147	17.07	6.965	29.33	0
4/2/20 15:45	8.06	149.8	16.12	6.779	29.33	0
4/2/20 16:00	9.59	158.4	10.02	5.387	29.34	0
4/2/20 16:15	7.197	155.5	9.7	5.348	29.34	0
4/2/20 16:30	7.082	158	9.81	5.464	29.34	0
4/2/20 16:45	8.86	158.5	9.56	5.377	29.34	0
4/2/20 17:00	7.927	148.3	12.38	4.632	29.32	0
4/2/20 17:15	7.778	125.8	10.57	4.575	29.32	0
4/2/20 17:30	7.208	139.7	16.89	4.721	29.32	0
4/2/20 17:45	5.922	136.9	15.09	4.586	29.32	0
4/2/20 18:00	7.765	145.8	9.61	4.189	29.34	0
4/2/20 18:15	8.85	153.5	9.09	4.326	29.34	0
4/2/20 18:30	7.655	154.8	8.95	4.397	29.34	0
4/2/20 18:45	7.359	161.2	7.517	4.387	29.34	0
4/2/20 19:00	7.464	155.8	6.5	4.387	29.34	0
4/2/20 19:15	6.572	154.9	9.76	4.272	29.34	0
4/2/20 19:30	6.228	154.5	9.56	4.255	29.34	0
4/2/20 19:45	5.342	157.1	8.03	4.227	29.34	0
4/2/20 20:00	6.162	155.7	8.36	4.093	29.34	0
4/2/20 20:15	6.85	160.6	7.697	4.074	29.34	0
4/2/20 20:30	6.339	185.7	10.11	4.373	29.34	0
4/2/20 20:45	6.644	195	7.278	4.228	29.34	0
4/2/20 21:00	5.321	186.9	6.568	4.074	29.34	0
4/2/20 21:15	5.253	195.9	8.67	3.939	29.34	0
4/2/20 21:30	5.08	197	9.6	3.823	29.34	0
4/2/20 21:45	6.545	204.6	6.854	3.842	29.34	0
4/2/20 22:00	5.287	193.9	7.274	3.572	29.35	0
4/2/20 22:15	5.594	189.5	7.555	3.379	29.35	0
4/2/20 22:30	6.674	190.6	5.485	3.245	29.35	0
4/2/20 22:45	7.291	192.2	5.97	3.215	29.35	0
4/2/20 23:00	6.077	188.2	7.3	3.052	29.35	0
4/2/20 23:15	6.94	184.6	6.662	3.138	29.35	0
4/2/20 23:30	7.053	190.3	6.55	3.071	29.35	0
4/2/20 23:45	7.579	187.1	7.342	3.051	29.35	0
4/3/20 0:00	8.25	184.8	7.187	3.225	29.33	0
4/3/20 0:15	9.47	184.9	6.922	3.283	29.33	0
4/3/20 0:30	8.5	186	6.806	3.196	29.33	0
4/3/20 0:45	7.629	182.9	7.189	3.187	29.33	0
4/3/20 1:00	5.124	170.8	9.29	2.936	29.31	0
4/3/20 1:15	5.615	166.5	7.183	2.628	29.31	0
4/3/20 1:30	6.368	180.2	7.504	2.917	29.31	0
4/3/20 1:45	7.663	182.1	8.57	3.052	29.31	0
4/3/20 2:00	7.207	184.8	9.29	2.955	29.31	0
4/3/20 2:15	7.079	190.7	7.242	2.955	29.31	0
4/3/20 2:30	8.5	189.5	6.899	2.859	29.31	0
4/3/20 2:45	9.11	186.5	8.2	2.878	29.31	0
4/3/20 3:00	9.1	184	8.97	2.927	29.31	0
4/3/20 3:15	8.47	189.4	9.91	2.936	29.31	0
4/3/20 3:30	7.792	199.9	7.413	2.936	29.31	0
4/3/20 3:45	7.995	190.7	7.294	2.917	29.31	0
4/3/20 4:00	8.16	199.6	6.505	2.936	29.31	0
4/3/20 4:15	8.1	201.9	6.897	2.965	29.31	0
4/3/20 4:30	8.66	201.1	7.125	3.013	29.31	0
4/3/20 4:45	7.153	198	7.137	2.975	29.31	0
4/3/20 5:00	7.808	199.5	6.334	2.955	29.3	0
4/3/20 5:15	9.28	201.4	6.703	2.84	29.3	0
4/3/20 5:30	11.01	202	8.35	2.811	29.3	0
4/3/20 5:45	9.41	191.1	9.62	2.772	29.3	0
4/3/20 6:00	8.69	190.1	8.35	2.676	29.29	0
4/3/20 6:15	9.03	177.3	13.09	2.58	29.29	0
4/3/20 6:30	8.08	196.1	9.4	2.464	29.29	0
4/3/20 6:45	9.66	196.7	6.262	2.416	29.29	0
4/3/20 7:00	9.13	191.3	7.457	2.445	29.27	0
4/3/20 7:15	8.08	185	11.24	2.474	29.27	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/3/20 7:30	6.965	173.5	12.99	2.609	29.27	0
4/3/20 7:45	6.683	187.7	11.6	2.647	29.27	0
4/3/20 8:00	7.49	189.5	9.4	2.821	29.27	0
4/3/20 8:15	7.726	187.2	10.21	3.158	29.27	0
4/3/20 8:30	8.28	181.6	12.47	3.447	29.27	0
4/3/20 8:45	9.42	184.9	9.51	3.457	29.27	0
4/3/20 9:00	9.98	195.6	11.94	3.842	29.27	0
4/3/20 9:15	12.33	194.9	12.32	4.306	29.27	0
4/3/20 9:30	11.99	201.6	15.65	4.886	29.27	0
4/3/20 9:45	11.14	201.8	12.82	4.914	29.27	0
4/3/20 10:00	13.51	212.7	10.96	4.843	29.25	0
4/3/20 10:15	12.65	219.2	12.95	5.016	29.25	0
4/3/20 10:30	17.9	216.6	9.54	4.909	29.25	0
4/3/20 10:45	17.69	210.9	8.25	4.996	29.25	0
4/3/20 11:00	15.76	214.5	9.68	5.073	29.23	0
4/3/20 11:15	17.04	214	10.64	5.645	29.23	0
4/3/20 11:30	16.43	210.8	13.15	5.538	29.23	0
4/3/20 11:45	18.95	232.1	13.49	5.644	29.23	0
4/3/20 12:00	17.32	222.6	10.71	5.809	29.24	0
4/3/20 12:15	16.37	228.5	12.7	5.992	29.24	0
4/3/20 12:30	18.84	220.7	7.925	6.565	29.24	0
4/3/20 12:45	17.86	210.3	8.93	6.985	29.24	0
4/3/20 13:00	18.64	222.4	12.22	6.926	29.2	0
4/3/20 13:15	18.68	225.2	8.73	6.564	29.2	0
4/3/20 13:30	18.41	219.9	11.53	7.16	29.2	0
4/3/20 13:45	18.33	206.5	11	6.788	29.2	0
4/3/20 14:00	17.91	204.9	10.92	6.515	29.2	0
4/3/20 14:15	16.93	204.6	11.04	6.086	29.2	0
4/3/20 14:30	16.8	213.4	13.89	6.086	29.2	0
4/3/20 14:45	18.03	204.2	7.128	6.018	29.2	0
4/3/20 15:00	14.09	202.7	15.95	7.14	29.19	0
4/3/20 15:15	13.52	215.7	14.68	7.67	29.19	0
4/3/20 15:30	12.78	211.7	13.12	7.69	29.19	0
4/3/20 15:45	14.98	216.6	16.54	7.062	29.19	0
4/3/20 16:00	14.6	226.3	9.94	6.739	29.16	0
4/3/20 16:15	14.41	245.2	16.55	7.023	29.16	0
4/3/20 16:30	16.47	249.3	16.76	6.906	29.16	0
4/3/20 16:45	15.29	249.6	9.83	6.788	29.16	0
4/3/20 17:00	18.07	260.7	11.15	6.71	29.17	0
4/3/20 17:15	17.82	263.1	11.72	6.798	29.17	0
4/3/20 17:30	16.05	250.8	9.23	6.359	29.17	0
4/3/20 17:45	13.9	259.6	10.08	6.145	29.17	0
4/3/20 18:00	14.5	253.3	11.73	6.008	29.18	0
4/3/20 18:15	11.78	245.3	10.58	5.581	29.18	0
4/3/20 18:30	9.69	239.8	10.03	5.358	29.18	0
4/3/20 18:45	6.28	244.1	15.16	5.31	29.18	0
4/3/20 19:00	7.126	241	11.14	5.137	29.18	0
4/3/20 19:15	7.917	233.2	10.44	4.974	29.18	0
4/3/20 19:30	9.12	233.1	9.86	4.772	29.18	0
4/3/20 19:45	8.05	239.8	9.35	4.599	29.18	0
4/3/20 20:00	5.108	232.2	6.502	4.465	29.17	0
4/3/20 20:15	3.23	222.8	13.27	4.399	29.17	0
4/3/20 20:30	2.007	137.6	61.58	4.264	29.17	0
4/3/20 20:45	2.302	50.17	8.66	3.069	29.17	0
4/3/20 21:00	1.973	56.37	6.249	2.82	29.17	0
4/3/20 21:15	0.741	89.3	33.27	2.705	29.17	0
4/3/20 21:30	2.601	194.3	20.42	3.119	29.17	0
4/3/20 21:45	5.253	199.9	5.815	3.293	29.17	0
4/3/20 22:00	5.174	208.2	5.056	3.264	29.17	0
4/3/20 22:15	3.33	176.9	25.44	3.216	29.17	0
4/3/20 22:30	1.829	113.5	16.22	2.859	29.17	0
4/3/20 22:45	1.932	136.5	13.59	2.869	29.17	0
4/3/20 23:00	2.34	147.8	12.83	2.936	29.15	0
4/3/20 23:15	1.753	96.4	18.69	2.917	29.15	0
4/3/20 23:30	2.253	118.5	17.71	2.493	29.15	0
4/3/20 23:45	1.975	96.9	14.99	2.445	29.15	0
4/4/20 0:00	2.794	108.1	6.554	1.983	29.12	0
4/4/20 0:15	3.187	112	5.91	2.041	29.12	0
4/4/20 0:30	3.609	120.4	3.719	2.108	29.12	0
4/4/20 0:45	3.288	127.8	8.04	2.387	29.12	0
4/4/20 1:00	2.827	139.8	9.75	2.31	29.14	0
4/4/20 1:15	4.005	145.9	5.114	2.195	29.14	0
4/4/20 1:30	4.085	143.5	6.177	2.272	29.14	0
4/4/20 1:45	4.118	165.1	7.514	2.252	29.14	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/4/20 2:00	4.453	156.9	9.03	2.214	29.1	0
4/4/20 2:15	4.301	157.3	9.01	2.195	29.1	0
4/4/20 2:30	3.948	146.9	8.61	2.31	29.1	0
4/4/20 2:45	2.498	132	9.74	2.445	29.1	0
4/4/20 3:00	1.339	116.1	6.142	2.522	29.09	0
4/4/20 3:15	2.518	153.2	4.533	2.532	29.09	0
4/4/20 3:30	1.891	157.8	13.1	2.233	29.09	0
4/4/20 3:45	0.555	125.8	7.812	2.069	29.09	0
4/4/20 4:00	1.546	45.62	15.6	2.06	29.07	0
4/4/20 4:15	1.343	47.75	7.487	1.983	29.07	0
4/4/20 4:30	1.099	67.86	2.679	1.838	29.07	0
4/4/20 4:45	1.055	98.1	32.37	1.829	29.07	0
4/4/20 5:00	1.043	147.9	2.717	1.579	29.04	0
4/4/20 5:15	0.698	24.16	2.485	1.925	29.04	0
4/4/20 5:30	0.288	23.11	0.495	1.868	29.04	0
4/4/20 5:45	0.095	23.98	0.047	1.983	29.04	0
4/4/20 6:00	0.255	21.76	2.187	2.098	29.05	0
4/4/20 6:15	1.183	18.66	6.49	2.098	29.05	0
4/4/20 6:30	2.706	40.5	8.65	1.251	29.05	0
4/4/20 6:45	3.495	34.93	4.259	0.885	29.05	0
4/4/20 7:00	3.264	28.66	8.58	1.251	29.02	0
4/4/20 7:15	3.637	31.2	8.85	1.405	29.02	0
4/4/20 7:30	3.098	58.48	9.19	1.694	29.02	0
4/4/20 7:45	2.064	32.8	17	2.06	29.02	0
4/4/20 8:00	2.846	351.5	34.47	3.177	29.01	0
4/4/20 8:15	3.018	345.2	15.84	3.978	29.01	0
4/4/20 8:30	3.133	3.231	17.34	4.46	29.01	0
4/4/20 8:45	4.379	31.23	21.36	5.291	29.01	0
4/4/20 9:00	6.35	44.37	11.88	5.501	28.98	0
4/4/20 9:15	5.872	39.95	15.85	6.344	28.98	0
4/4/20 9:30	4.614	46.3	16.24	6.596	28.98	0
4/4/20 9:45	3.675	40.18	15.52	7.141	28.98	0
4/4/20 10:00	4.413	47.94	24.28	7.582	28.97	0
4/4/20 10:15	6.164	34.18	13.05	7.592	28.97	0
4/4/20 10:30	5.657	34.75	23.54	8.05	28.97	0
4/4/20 10:45	7.554	99.6	59.36	9.04	28.97	0
4/4/20 11:00	6.703	110.6	33.43	9.04	28.92	0
4/4/20 11:15	8.27	159.3	47.17	9.52	28.92	0
4/4/20 11:30	8.48	122.7	27.11	9.36	28.92	0
4/4/20 11:45	8.94	101.5	17.8	9.2	28.92	0
4/4/20 12:00	10.07	107.6	18.96	9.26	28.92	0
4/4/20 12:15	9.07	116.2	19.69	9.56	28.92	0
4/4/20 12:30	9.25	129.6	24.04	9.69	28.92	0
4/4/20 12:45	8.66	122.4	34.87	10.65	28.92	0
4/4/20 13:00	8.55	140.4	24.4	10.78	28.88	0
4/4/20 13:15	9.05	170.1	33.96	11.03	28.88	0
4/4/20 13:30	10.67	154.4	29.91	11.04	28.88	0
4/4/20 13:45	7.436	107.9	25.86	10.2	28.88	0
4/4/20 14:00	8.57	106.3	20.15	10.3	28.86	0
4/4/20 14:15	6.92	86.8	17.43	10.46	28.86	0
4/4/20 14:30	7.557	132.7	33.23	11.01	28.86	0
4/4/20 14:45	9.58	112.1	17.68	10.17	28.86	0
4/4/20 15:00	10.02	102	22.06	10.59	28.85	0
4/4/20 15:15	10.54	105.7	21.07	10.84	28.85	0
4/4/20 15:30	10.43	102	16.4	10.63	28.85	0
4/4/20 15:45	7.692	119.6	17.41	10.88	28.85	0
4/4/20 16:00	5.849	132.2	32.13	11.42	28.83	0
4/4/20 16:15	3.912	112.9	26.49	11.14	28.83	0
4/4/20 16:30	7.356	104.9	19.07	11.17	28.83	0
4/4/20 16:45	6.557	97.2	28.18	10.72	28.83	0
4/4/20 17:00	7.209	102.4	22.31	10.19	28.8	0
4/4/20 17:15	5.381	109.9	21.18	10.12	28.8	0
4/4/20 17:30	5.425	87.9	16.87	10	28.8	0
4/4/20 17:45	4.505	106.3	16.17	9.97	28.8	0
4/4/20 18:00	5.898	100.4	16.35	9.92	28.82	0
4/4/20 18:15	5.352	114.9	13.96	9.74	28.82	0
4/4/20 18:30	5.435	102.6	15.72	9.62	28.82	0
4/4/20 18:45	5.631	117.6	12.9	9.4	28.82	0
4/4/20 19:00	3.896	109.4	21.46	9.24	28.81	0
4/4/20 19:15	5.029	113	15.32	9.19	28.81	0
4/4/20 19:30	2.654	92.3	11.02	8.83	28.81	0
4/4/20 19:45	3.166	60.03	13.02	8.81	28.81	0
4/4/20 20:00	4.613	66.04	10.76	8.64	28.82	0
4/4/20 20:15	4.125	82.1	12.98	8.58	28.82	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/4/20 20:30	3.042	59.77	11.58	8.28	28.82	0
4/4/20 20:45	4.536	35.45	7.898	7.897	28.82	0
4/4/20 21:00	5.677	39.53	7.95	7.317	28.8	0
4/4/20 21:15	5.749	38.26	9.22	7.18	28.8	0
4/4/20 21:30	6.245	36.57	7.408	7.082	28.8	0
4/4/20 21:45	6.731	39.57	8.06	6.886	28.8	0
4/4/20 22:00	5.569	44	21.97	6.808	28.83	0
4/4/20 22:15	4.833	45.31	16.54	6.788	28.83	0
4/4/20 22:30	4.498	46.94	13.93	6.71	28.83	0
4/4/20 22:45	4.581	43.77	12.74	6.73	28.83	0
4/4/20 23:00	4.617	46.64	16.42	6.495	28.8	0
4/4/20 23:15	5.165	42.63	7.902	6.262	28.8	0
4/4/20 23:30	3.328	44.32	12.85	6.243	28.8	0
4/4/20 23:45	6.09	35.17	11.62	6.243	28.8	0
4/5/20 0:00	5.724	35.75	12.15	6.128	28.81	0
4/5/20 0:15	6.877	33.29	8.16	5.915	28.81	0
4/5/20 0:30	6.679	34.41	8.48	5.838	28.81	0
4/5/20 0:45	7.529	36.05	7.202	5.839	28.81	0
4/5/20 1:00	6.642	35.25	8.29	5.674	28.8	0
4/5/20 1:15	6.286	37.78	8.91	5.752	28.8	0
4/5/20 1:30	7.104	34.57	8.39	5.694	28.8	0
4/5/20 1:45	7.571	28.56	9.21	5.675	28.8	0
4/5/20 2:00	6.582	31.49	10.77	5.733	28.78	0
4/5/20 2:15	8.05	29.14	9.78	5.587	28.78	0
4/5/20 2:30	9.94	27.5	8.2	5.451	28.78	0
4/5/20 2:45	8.7	36.88	9.83	5.47	28.78	0
4/5/20 3:00	8.39	36.47	9.13	5.296	28.79	0
4/5/20 3:15	7.926	33.17	8.93	5.354	28.79	0
4/5/20 3:30	8.69	28.07	9.11	5.238	28.79	0
4/5/20 3:45	9.78	29.8	8.21	5.083	28.79	0
4/5/20 4:00	9.52	29.92	9.55	5.065	28.8	0
4/5/20 4:15	9.61	32.21	8.46	5.113	28.8	0
4/5/20 4:30	8.17	37.88	8.44	4.949	28.8	0
4/5/20 4:45	7.854	35.6	8.7	4.882	28.8	0
4/5/20 5:00	8.95	32.77	7.39	4.842	28.79	0
4/5/20 5:15	9.26	34.78	6.526	4.92	28.79	0
4/5/20 5:30	7.393	33.97	8.56	4.852	28.79	0
4/5/20 5:45	6.618	38.93	7.192	4.631	28.79	0
4/5/20 6:00	6.712	40.39	7.98	4.506	28.79	0
4/5/20 6:15	7.629	37.11	7.705	4.566	28.79	0
4/5/20 6:30	8.4	38.81	8.71	4.624	28.79	0
4/5/20 6:45	8.8	37.29	9.09	4.73	28.79	0
4/5/20 7:00	9.8	39.3	9.86	4.711	28.79	0
4/5/20 7:15	8.03	33.63	9.46	4.846	28.79	0
4/5/20 7:30	8.18	27.28	10.24	4.904	28.79	0
4/5/20 7:45	8.26	33.53	9.52	5.213	28.79	0
4/5/20 8:00	9.17	31.5	9.82	5.367	28.81	0
4/5/20 8:15	6.978	23.2	9.8	5.54	28.81	0
4/5/20 8:30	7.045	31.98	8.72	5.792	28.81	0
4/5/20 8:45	7.775	29.36	8.67	5.849	28.81	0
4/5/20 9:00	6.509	33.96	8.13	5.965	28.82	0
4/5/20 9:15	7.159	37.65	10.43	6.072	28.82	0
4/5/20 9:30	7.351	39.02	9.49	6.624	28.82	0
4/5/20 9:45	6.795	36.11	8.48	6.789	28.82	0
4/5/20 10:00	6.267	34.49	9.17	7.513	28.8	0
4/5/20 10:15	6.303	31.26	7.932	8.05	28.8	0
4/5/20 10:30	6.799	30.56	8.91	8.94	28.8	0
4/5/20 10:45	8.63	27.92	9.74	9.08	28.8	0
4/5/20 11:00	10.2	34.54	6.861	9.74	28.8	0
4/5/20 11:15	9.88	31.92	9.87	10.27	28.8	0
4/5/20 11:30	11	37.05	7.994	10.55	28.8	0
4/5/20 11:45	10.37	29.35	11.85	11.01	28.8	0
4/5/20 12:00	11.1	34.6	9.47	10.93	28.79	0
4/5/20 12:15	10.97	33.65	8.29	10.59	28.79	0
4/5/20 12:30	10.06	31.36	9.09	10.88	28.79	0
4/5/20 12:45	8.91	32.76	12.73	11.13	28.79	0
4/5/20 13:00	8.86	35.14	13.03	11.22	28.8	0
4/5/20 13:15	7.929	21.86	12.03	11.1	28.8	0
4/5/20 13:30	6.802	18.24	14.8	11.3	28.8	0
4/5/20 13:45	7.345	10.25	16.66	11.33	28.8	0
4/5/20 14:00	7.545	9.72	14.86	11.29	28.78	0
4/5/20 14:15	7.454	0.786	16.71	11.36	28.78	0
4/5/20 14:30	6.053	14.93	17.52	11.52	28.78	0
4/5/20 14:45	6.915	2.296	18.58	11.54	28.78	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/5/20 15:00	7.883	359.8	14.65	11.76	28.8	0
4/5/20 15:15	6.913	1.607	17.99	11.93	28.8	0
4/5/20 15:30	7.433	8.91	19.49	11.81	28.8	0
4/5/20 15:45	7.74	21.2	11.5	11.97	28.8	0
4/5/20 16:00	7.758	29.28	11.09	11.73	28.81	0
4/5/20 16:15	7.067	31.9	15.11	11.67	28.81	0
4/5/20 16:30	8.51	22.24	18.05	11.57	28.81	0
4/5/20 16:45	9.95	353.9	15.37	11.2	28.81	0
4/5/20 17:00	8.75	349.3	14	11.05	28.81	0
4/5/20 17:15	6.785	353.5	16.98	10.86	28.81	0
4/5/20 17:30	6.789	355.6	20.21	10.61	28.81	0
4/5/20 17:45	4.06	350.4	27.09	10.6	28.81	0
4/5/20 18:00	6.401	8.81	21.33	10.4	28.83	0
4/5/20 18:15	6.257	8.52	22.76	9.88	28.83	0
4/5/20 18:30	5.119	355.5	24.66	9.52	28.83	0
4/5/20 18:45	5.104	23.51	32.8	9.38	28.83	0
4/5/20 19:00	6.57	24.69	19.76	9.02	28.83	0
4/5/20 19:15	8.72	35.33	15.7	8.81	28.83	0
4/5/20 19:30	6.34	38.52	12.62	8.71	28.83	0
4/5/20 19:45	6.227	36.06	13.57	8.43	28.83	0
4/5/20 20:00	6.898	35.32	17.83	8.36	28.85	0
4/5/20 20:15	7.29	33.23	13.31	8.44	28.85	0
4/5/20 20:30	8.7	25.02	9.81	8.3	28.85	0
4/5/20 20:45	9.3	27.49	11.32	8.34	28.85	0
4/5/20 21:00	8.19	23.77	8.82	8.17	28.87	0
4/5/20 21:15	6.943	20.26	16.55	8.18	28.87	0
4/5/20 21:30	5.494	5.182	22.35	8.1	28.87	0
4/5/20 21:45	4.536	26.76	15.82	7.631	28.87	0
4/5/20 22:00	7.101	19.68	15.43	7.769	28.88	0
4/5/20 22:15	10.82	31.82	9	7.434	28.88	0
4/5/20 22:30	9.77	34.33	9.43	7.17	28.88	0
4/5/20 22:45	11.03	32.18	8.78	7.121	28.88	0
4/5/20 23:00	9.07	29.05	10.31	7.062	28.91	0
4/5/20 23:15	9.12	34.48	7.782	6.876	28.91	0
4/5/20 23:30	10.83	34.21	7.501	6.788	28.91	0
4/5/20 23:45	10.91	27.81	8.29	6.769	28.91	0
4/6/20 0:00	9.11	29.82	8.99	6.75	28.91	0
4/6/20 0:15	8.3	31.04	8.86	6.838	28.91	0
4/6/20 0:30	6.582	37.08	10.22	6.82	28.91	0
4/6/20 0:45	6.124	33.9	7.186	6.712	28.91	0
4/6/20 1:00	6.533	31.81	5.461	6.312	28.94	0
4/6/20 1:15	5.972	35.95	6.928	5.895	28.94	0
4/6/20 1:30	4.744	17.98	8.94	6.393	28.94	0
4/6/20 1:45	2.758	20.73	10.91	6.325	28.94	0
4/6/20 2:00	3.204	33.61	11.34	6.102	28.93	0
4/6/20 2:15	4.389	22.45	5.071	5.422	28.93	0
4/6/20 2:30	3.368	37.29	15.53	5.239	28.93	0
4/6/20 2:45	2.73	94.4	11.87	5.155	28.93	0
4/6/20 3:00	2.3	91.7	8.85	5.106	28.95	0
4/6/20 3:15	2.793	111.7	11.59	4.692	28.95	0
4/6/20 3:30	2.368	111.5	5.26	4.712	28.95	0
4/6/20 3:45	1.587	96.3	44.76	4.886	28.95	0
4/6/20 4:00	1.51	11.42	7.227	4.77	28.97	0
4/6/20 4:15	2.319	42.01	8.1	4.944	28.97	0
4/6/20 4:30	2.349	53.38	5.337	4.983	28.97	0
4/6/20 4:45	1.709	42.92	8.83	4.383	28.97	0
4/6/20 5:00	1.939	6.096	11.83	4.103	28.99	0
4/6/20 5:15	2.284	321.9	22.26	4.238	28.99	0
4/6/20 5:30	1.713	262.1	36.06	4.354	28.99	0
4/6/20 5:45	1.347	137.6	33.5	3.997	28.99	0
4/6/20 6:00	0.483	50.67	16.41	4.044	29.02	0
4/6/20 6:15	0.291	32.14	0.042	4.325	29.02	0
4/6/20 6:30	0.637	351.8	3.328	4.721	29.02	0
4/6/20 6:45	0.485	354.7	1.011	4.576	29.02	0
4/6/20 7:00	0.352	10.13	17.33	4.48	29.03	0
4/6/20 7:15	1.049	30.48	3.598	5.147	29.03	0
4/6/20 7:30	0.116	49.67	1.179	5.332	29.03	0
4/6/20 7:45	1.108	279.9	98.7	5.564	29.03	0
4/6/20 8:00	0.204	48.63	14.8	6.918	29.07	0
4/6/20 8:15	1.184	43.77	14.31	7.544	29.07	0
4/6/20 8:30	0.895	303.9	56.42	7.981	29.07	0
4/6/20 8:45	1.363	273.9	63.26	8.11	29.07	0
4/6/20 9:00	1.693	262.5	34.5	7.976	29.07	0
4/6/20 9:15	2.259	283.9	35	8.85	29.07	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/6/20 9:30	2.043	314.8	26.37	9.22	29.07	0
4/6/20 9:45	1.819	6.342	76.7	10.15	29.07	0
4/6/20 10:00	2.752	318.7	34.63	10.46	29.12	0
4/6/20 10:15	2.836	302.6	35	10.49	29.12	0
4/6/20 10:30	3.686	311.5	20.16	11.27	29.12	0
4/6/20 10:45	3.923	344.2	30.9	11.26	29.12	0
4/6/20 11:00	4.86	342.8	37.24	12.03	29.13	0
4/6/20 11:15	4.963	359.8	34.15	12.38	29.13	0
4/6/20 11:30	4.781	314.2	20.49	12.21	29.13	0
4/6/20 11:45	2.749	2.851	39.19	12.59	29.13	0
4/6/20 12:00	5.764	6.383	32.58	12.72	29.12	0
4/6/20 12:15	3.795	302	60.22	13.23	29.12	0
4/6/20 12:30	5.713	25.45	83.1	13.58	29.12	0
4/6/20 12:45	6.667	68.66	12.26	12.92	29.12	0
4/6/20 13:00	5.629	36.03	21.71	13.57	29.14	0
4/6/20 13:15	4.893	336	30.48	13.8	29.14	0
4/6/20 13:30	4.867	300	45.32	14.08	29.14	0
4/6/20 13:45	6.608	315.1	30.8	13.94	29.14	0
4/6/20 14:00	6.489	255.2	27.41	13.87	29.14	0
4/6/20 14:15	9.07	244.2	20.74	13.85	29.14	0
4/6/20 14:30	5.722	238	27.27	13.82	29.14	0
4/6/20 14:45	3.78	250.4	72.42	14.69	29.14	0
4/6/20 15:00	5.814	293	36.02	14.77	29.14	0
4/6/20 15:15	6.003	299.9	23.49	14.5	29.14	0
4/6/20 15:30	2.554	338.3	53.67	14.57	29.14	0
4/6/20 15:45	3.576	288.4	82.8	15.02	29.14	0
4/6/20 16:00	6.789	315.6	25.41	14.59	29.15	0
4/6/20 16:15	7.077	299.9	23.47	14.38	29.15	0
4/6/20 16:30	6.333	284.2	24.82	14.44	29.15	0
4/6/20 16:45	5.149	285.8	28.72	14.51	29.15	0
4/6/20 17:00	4.247	281.3	25.28	14.32	29.14	0
4/6/20 17:15	5.468	301.3	14.83	14.23	29.14	0
4/6/20 17:30	3.582	280.9	26.28	14.21	29.14	0
4/6/20 17:45	3.943	260.9	26.96	13.84	29.14	0
4/6/20 18:00	4.309	261.1	13.05	13.52	29.16	0
4/6/20 18:15	5.193	256.9	8.55	13.29	29.16	0
4/6/20 18:30	4.419	250.2	11.95	13.09	29.16	0
4/6/20 18:45	4.235	272.8	20.31	12.78	29.16	0
4/6/20 19:00	3.55	295.3	9.33	12.28	29.17	0
4/6/20 19:15	2.793	288.4	26.72	12.28	29.17	0
4/6/20 19:30	2.583	34.65	5.572	11.63	29.17	0
4/6/20 19:45	2.288	47.76	4.56	11.43	29.17	0
4/6/20 20:00	2.588	38.32	8.49	10.95	29.18	0
4/6/20 20:15	3.298	39.8	10.62	10.83	29.18	0
4/6/20 20:30	2.95	43.79	8.73	9.86	29.18	0
4/6/20 20:45	2.435	23.29	10.25	9.9	29.18	0
4/6/20 21:00	2.701	168.6	53.3	9.36	29.21	0
4/6/20 21:15	2.268	112.2	52.08	10.13	29.21	0
4/6/20 21:30	2.915	96.5	27.36	9.84	29.21	0
4/6/20 21:45	3.037	153.4	24.2	8.52	29.21	0
4/6/20 22:00	5.017	164.2	10.62	8.56	29.24	0
4/6/20 22:15	3.828	137.4	9.3	7.946	29.24	0
4/6/20 22:30	3.726	130.4	7.39	7.337	29.24	0
4/6/20 22:45	3.444	119.6	8.38	7.239	29.24	0
4/6/20 23:00	4.468	132.2	7.504	7.105	29.23	0
4/6/20 23:15	2.685	126.7	12.19	7.135	29.23	0
4/6/20 23:30	2.83	129.6	8.94	7.461	29.23	0
4/6/20 23:45	2.922	136.7	6.946	7.452	29.23	0
4/7/20 0:00	1.893	117.9	5.828	7.288	29.26	0
4/7/20 0:15	2.071	141.2	10.83	7.593	29.26	0
4/7/20 0:30	1.967	164.3	22.7	7.652	29.26	0
4/7/20 0:45	1.057	146	39.77	7.889	29.26	0
4/7/20 1:00	1.403	232.5	51.34	7.889	29.29	0
4/7/20 1:15	0.107	52	10.13	6.986	29.29	0
4/7/20 1:30	1.732	286.8	22.01	7.163	29.29	0
4/7/20 1:45	3.782	212.4	21.08	6.625	29.29	0
4/7/20 2:00	4.507	178	15.44	5.885	29.31	0
4/7/20 2:15	2.4	151.4	31.58	5.118	29.31	0
4/7/20 2:30	3.445	94	9.82	4.634	29.31	0
4/7/20 2:45	2.898	94.7	24.15	5.099	29.31	0
4/7/20 3:00	1.15	143.3	23.94	5.196	29.33	0
4/7/20 3:15	2.852	181.5	16.92	5.08	29.33	0
4/7/20 3:30	4.31	182.2	12.7	4.731	29.33	0
4/7/20 3:45	2.321	118.1	32.54	4.499	29.33	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/7/20 4:00	2.778	116.2	25.6	3.514	29.35	0
4/7/20 4:15	2.941	138.8	9.08	3.958	29.35	0
4/7/20 4:30	4.481	138.6	3.832	4.325	29.35	0
4/7/20 4:45	3.364	134.7	5.603	4.335	29.35	0
4/7/20 5:00	3.474	125	10.79	3.997	29.34	0
4/7/20 5:15	3.188	103	7.178	3.427	29.34	0
4/7/20 5:30	3.467	111.7	4.584	3.447	29.34	0
4/7/20 5:45	3.586	117.7	6.091	3.592	29.34	0
4/7/20 6:00	3.426	123.6	5.468	3.649	29.35	0
4/7/20 6:15	3.613	119.9	7.598	3.688	29.35	0
4/7/20 6:30	5.799	144.6	6.354	4.556	29.35	0
4/7/20 6:45	4.751	143.2	24.06	4.382	29.35	0
4/7/20 7:00	4.419	139.4	14.59	5.39	29.39	0
4/7/20 7:15	4.874	132.9	6.92	5.778	29.39	0
4/7/20 7:30	4.403	125.4	14.63	5.992	29.39	0
4/7/20 7:45	5.023	139.6	13.98	5.969	29.39	0
4/7/20 8:00	4.939	141.3	22.73	6.289	29.39	0
4/7/20 8:15	5.148	143.1	23.86	6.501	29.39	0
4/7/20 8:30	5.296	146.6	27.82	6.433	29.39	0
4/7/20 8:45	7.241	187.7	16.19	6.438	29.39	0
4/7/20 9:00	5.124	165.9	9.96	6.711	29.42	0
4/7/20 9:15	6.032	197.6	15.1	7.18	29.42	0
4/7/20 9:30	8.62	195.3	14.81	7.297	29.42	0
4/7/20 9:45	7.362	207.1	9.85	7.582	29.42	0
4/7/20 10:00	4.928	216.3	35.57	7.936	29.43	0
4/7/20 10:15	3.495	200.1	35.87	8.84	29.43	0
4/7/20 10:30	2.746	259.3	61.94	8.85	29.43	0
4/7/20 10:45	2.793	318.2	42.26	9.24	29.43	0
4/7/20 11:00	2.891	23.61	75.57	9.52	29.4	0
4/7/20 11:15	1.112	259.6	79.81	10.47	29.4	0
4/7/20 11:30	3.921	264.1	31.59	10.7	29.4	0
4/7/20 11:45	5.888	317.9	24.39	10.84	29.4	0
4/7/20 12:00	4.418	310	26.17	10.72	29.4	0
4/7/20 12:15	3.069	248.6	26.92	10.99	29.4	0
4/7/20 12:30	3.776	258.5	43.85	11.43	29.4	0
4/7/20 12:45	4.338	300.7	57.49	12.03	29.4	0
4/7/20 13:00	4.409	55.71	56.95	11.56	29.42	0
4/7/20 13:15	3.945	166.3	54.81	12.06	29.42	0
4/7/20 13:30	3.589	296.2	71.11	12.9	29.42	0
4/7/20 13:45	5.289	349.1	24.46	12.5	29.42	0
4/7/20 14:00	5.922	262	28.92	13.2	29.4	0
4/7/20 14:15	6.725	281.7	22.64	13.39	29.4	0
4/7/20 14:30	8.53	255.8	16.5	12.9	29.4	0
4/7/20 14:45	8.04	257.6	15.38	13.25	29.4	0
4/7/20 15:00	6.604	261.2	21.45	13.44	29.4	0
4/7/20 15:15	5.513	288	34.72	13.22	29.4	0
4/7/20 15:30	7.108	266.6	16.23	13.28	29.4	0
4/7/20 15:45	6.633	243.2	18.95	13.31	29.4	0
4/7/20 16:00	9.2	271.5	15.49	13.21	29.4	0
4/7/20 16:15	8.89	275.6	15.02	13.17	29.4	0
4/7/20 16:30	8.17	285.7	14.16	13.09	29.4	0
4/7/20 16:45	8.88	305.3	13.6	13.02	29.4	0
4/7/20 17:00	9.5	285.3	15.61	12.64	29.39	0
4/7/20 17:15	9.52	289.8	12.27	12.71	29.39	0
4/7/20 17:30	8.78	305	9.68	12.61	29.39	0
4/7/20 17:45	7.52	315.3	7.381	12.25	29.39	0
4/7/20 18:00	6.945	318.2	8.45	11.98	29.41	0
4/7/20 18:15	6.839	334.4	6.672	11.55	29.41	0
4/7/20 18:30	5.422	342	9.93	11.07	29.41	0
4/7/20 18:45	4.877	341.6	16.89	10.85	29.41	0
4/7/20 19:00	5.06	350.7	15.13	10.13	29.39	0
4/7/20 19:15	5.296	3.755	14.93	10.04	29.39	0
4/7/20 19:30	5.766	7	14.01	10.08	29.39	0
4/7/20 19:45	5.601	22.1	10.08	9.58	29.39	0
4/7/20 20:00	6.365	31.62	7.927	9.12	29.41	0
4/7/20 20:15	7.766	25.08	4.945	8.83	29.41	0
4/7/20 20:30	8.07	26.87	6.046	8.51	29.41	0
4/7/20 20:45	7.664	36.34	5.906	8.72	29.41	0
4/7/20 21:00	7.644	42.23	5.786	8.19	29.44	0
4/7/20 21:15	7.608	37.13	7.208	8.34	29.44	0
4/7/20 21:30	10.32	27.58	4.935	8.32	29.44	0
4/7/20 21:45	10.34	31.49	5.426	8.42	29.44	0
4/7/20 22:00	7.805	38.24	5.903	8.2	29.42	0
4/7/20 22:15	6.451	45.98	9.07	8.58	29.42	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/7/20 22:30	5.127	43.46	10.92	8.17	29.42	0
4/7/20 22:45	4.673	48.71	12.87	8.01	29.42	0
4/7/20 23:00	3.612	40.98	13.4	7.534	29.45	0
4/7/20 23:15	4.977	42.94	8.72	7.28	29.45	0
4/7/20 23:30	4.627	37.24	11.5	7.244	29.45	0
4/7/20 23:45	5.037	37.15	8.41	7.225	29.45	0
4/8/20 0:00	5.38	39.23	10.05	7.216	29.43	0
4/8/20 0:15	4.712	33.56	9.22	7.207	29.43	0
4/8/20 0:30	4.724	47.2	10.12	6.943	29.43	0
4/8/20 0:45	5.19	34.37	9.81	7.09	29.43	0
4/8/20 1:00	4.306	41.99	8.24	6.816	29.43	0
4/8/20 1:15	2.954	56.24	20.57	6.145	29.43	0
4/8/20 1:30	1.975	58.28	18.42	5.62	29.43	0
4/8/20 1:45	2.041	43.73	12.81	4.808	29.43	0
4/8/20 2:00	2.002	20.64	24.97	4.344	29.43	0
4/8/20 2:15	1.512	30.87	14.26	4.344	29.43	0
4/8/20 2:30	2.378	70.62	19.18	4.422	29.43	0
4/8/20 2:45	1.969	79.71	4.83	4.412	29.43	0
4/8/20 3:00	3.33	89.7	6.766	4.644	29.43	0
4/8/20 3:15	2.124	29.11	10.98	5.109	29.43	0
4/8/20 3:30	2.591	2.569	13.53	4.915	29.43	0
4/8/20 3:45	2.079	45.47	16.18	4.556	29.43	0
4/8/20 4:00	0.845	96.3	10.33	4.344	29.45	0
4/8/20 4:15	0.885	84	10.33	4.19	29.45	0
4/8/20 4:30	1.429	40.51	8.9	3.919	29.45	0
4/8/20 4:45	0.659	42.1	2.521	3.852	29.45	0
4/8/20 5:00	3.373	26.4	3.472	3.707	29.45	0
4/8/20 5:15	4.335	15.11	4.166	3.485	29.45	0
4/8/20 5:30	4.485	35.18	10.07	2.84	29.45	0
4/8/20 5:45	2.354	46.29	11.41	3.196	29.45	0
4/8/20 6:00	2.975	57.07	5.657	2.638	29.44	0
4/8/20 6:15	4.078	49.43	14.73	1.829	29.44	0
4/8/20 6:30	4.028	27.14	4.54	2.368	29.44	0
4/8/20 6:45	2.736	78.91	34.75	2.85	29.44	0
4/8/20 7:00	1.819	44.76	16.59	3.582	29.45	0
4/8/20 7:15	2.439	68.76	18.21	4.055	29.45	0
4/8/20 7:30	6.182	45.49	9.69	4.035	29.45	0
4/8/20 7:45	6.202	35.14	14.66	4.325	29.45	0
4/8/20 8:00	7.61	38.85	8.9	4.749	29.46	0
4/8/20 8:15	6.042	51.38	14.09	5.124	29.46	0
4/8/20 8:30	6.581	40.85	10.85	5.81	29.46	0
4/8/20 8:45	4.431	49.6	8.81	6.88	29.46	0
4/8/20 9:00	3.789	49.02	11.15	7.124	29.48	0
4/8/20 9:15	4.943	51.9	14.39	7.572	29.48	0
4/8/20 9:30	2.826	24.81	35.41	8.93	29.48	0
4/8/20 9:45	1.701	323.3	56.32	10.57	29.48	0
4/8/20 10:00	1.442	34.23	35.78	11.05	29.46	0
4/8/20 10:15	4.622	39.85	24.23	11.03	29.46	0
4/8/20 10:30	6.222	39.93	19.39	11.14	29.46	0
4/8/20 10:45	9.7	41.12	13.35	11.38	29.46	0
4/8/20 11:00	10.37	39.8	10.75	12.08	29.46	0
4/8/20 11:15	10.31	34.1	10.37	12.51	29.46	0
4/8/20 11:30	9.6	35.35	10.54	12.84	29.46	0
4/8/20 11:45	9.59	33.93	10.76	13.7	29.46	0
4/8/20 12:00	10.14	33.32	10.75	13.55	29.43	0
4/8/20 12:15	9.3	42.33	11.05	14.44	29.43	0
4/8/20 12:30	7.273	14.63	32.83	15.16	29.43	0
4/8/20 12:45	7.823	25.97	32.45	15.15	29.43	0
4/8/20 13:00	8.33	35.87	13.21	15.56	29.43	0
4/8/20 13:15	9.19	37.79	11.14	15.62	29.43	0
4/8/20 13:30	8.11	35.99	14.35	16.11	29.43	0
4/8/20 13:45	7.634	26.68	26.33	16.81	29.43	0
4/8/20 14:00	7.727	37.24	16.6	16.68	29.4	0
4/8/20 14:15	8.97	38.9	9.28	16.44	29.4	0
4/8/20 14:30	9.41	38.05	10.99	16.52	29.4	0
4/8/20 14:45	11.15	35.58	10.82	16.76	29.4	0
4/8/20 15:00	10.72	32.79	10.93	16.39	29.4	0
4/8/20 15:15	10.41	24.98	14.44	16.82	29.4	0
4/8/20 15:30	11.5	21.64	13.36	16.57	29.4	0
4/8/20 15:45	12.2	22.42	11.4	16.38	29.4	0
4/8/20 16:00	11.37	16.06	12.65	16.35	29.38	0
4/8/20 16:15	11.79	16.91	10.02	16.33	29.38	0
4/8/20 16:30	10.62	18.44	11.14	16.28	29.38	0
4/8/20 16:45	10.38	8.9	16.12	16.39	29.38	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/8/20 17:00	9.28	4.809	15.7	16.44	29.37	0
4/8/20 17:15	9.65	358.5	20.98	16.38	29.37	0
4/8/20 17:30	7.119	4.161	17.77	15.93	29.37	0
4/8/20 17:45	7.382	6.255	23.28	15.76	29.37	0
4/8/20 18:00	5.789	4.229	15.72	15.45	29.37	0
4/8/20 18:15	6.283	359.4	19.13	15.28	29.37	0
4/8/20 18:30	7.318	8.24	16.8	14.89	29.37	0
4/8/20 18:45	5.579	18.48	13.24	14.62	29.37	0
4/8/20 19:00	6.288	37.76	5.288	13.11	29.38	0
4/8/20 19:15	6.871	17.29	10.14	12.59	29.38	0
4/8/20 19:30	10.3	17.01	7.269	12.41	29.38	0
4/8/20 19:45	8.65	18.35	8.14	12.2	29.38	0
4/8/20 20:00	4.476	28.23	15.86	12.29	29.39	0
4/8/20 20:15	6.628	15.52	13.09	12.11	29.39	0
4/8/20 20:30	6.73	21.47	10.83	11.76	29.39	0
4/8/20 20:45	8.14	19.8	8.92	11.26	29.39	0
4/8/20 21:00	8.98	22.69	10.31	10.87	29.4	0
4/8/20 21:15	10.34	24.66	12.58	11.01	29.4	0
4/8/20 21:30	11.39	23.77	11.1	11.01	29.4	0
4/8/20 21:45	10.89	27.11	10.14	10.69	29.4	0
4/8/20 22:00	10.92	25.43	8.31	10.47	29.39	0
4/8/20 22:15	11.34	30.32	10.33	10.33	29.39	0
4/8/20 22:30	11.84	32.28	8.43	10.27	29.39	0
4/8/20 22:45	9.62	39.27	11.26	10.11	29.39	0
4/8/20 23:00	8.5	44.11	9.59	9.48	29.39	0
4/8/20 23:15	8.09	43.02	7.869	9.16	29.39	0
4/8/20 23:30	7.025	42.39	7.709	8.61	29.39	0
4/8/20 23:45	8	45.5	6.457	8.5	29.39	0
4/9/20 0:00	6.538	45.61	7.72	8.29	29.39	0
4/9/20 0:15	8.23	36.12	5.243	8.3	29.39	0
4/9/20 0:30	6.653	51.97	7.36	7.769	29.39	0
4/9/20 0:45	4.981	47.23	7.563	7.837	29.39	0
4/9/20 1:00	2.605	57.68	13.34	7.691	29.36	0
4/9/20 1:15	2.82	77.75	18.95	8.24	29.36	0
4/9/20 1:30	1.87	84	20.37	7.615	29.36	0
4/9/20 1:45	2.477	54.41	24.76	7.381	29.36	0
4/9/20 2:00	3.756	40.67	14.79	7.225	29.37	0
4/9/20 2:15	3.9	56.58	9.61	6.249	29.37	0
4/9/20 2:30	3.499	102.2	11.51	6.289	29.37	0
4/9/20 2:45	2.64	190.1	23.47	7.653	29.37	0
4/9/20 3:00	1.632	1.721	96.1	7.82	29.37	0
4/9/20 3:15	1.693	25.41	3.844	7.438	29.37	0
4/9/20 3:30	1.499	29.34	2.82	7.428	29.37	0
4/9/20 3:45	2.948	37.01	4.15	7.144	29.37	0
4/9/20 4:00	2.994	42	6.063	5.982	29.36	0
4/9/20 4:15	2.895	32.35	5.224	5.099	29.36	0
4/9/20 4:30	2.52	34.99	6.088	6.167	29.36	0
4/9/20 4:45	1.283	42.37	6.748	6.206	29.36	0
4/9/20 5:00	1.73	40.45	4.454	6.206	29.34	0
4/9/20 5:15	0.355	39.22	12.91	6.733	29.34	0
4/9/20 5:30	1.578	19.19	33.33	7.399	29.34	0
4/9/20 5:45	2.363	87.4	10.48	6.089	29.34	0
4/9/20 6:00	2.315	62.49	14.89	6.109	29.35	0
4/9/20 6:15	3.849	42.47	6.459	5.584	29.35	0
4/9/20 6:30	2.772	59.13	6.781	5.642	29.35	0
4/9/20 6:45	2.849	52.87	9.6	5.729	29.35	0
4/9/20 7:00	1.641	45.77	12.05	6.428	29.34	0
4/9/20 7:15	0.611	60.72	67.23	9.15	29.34	0
4/9/20 7:30	0.718	315.1	75.99	9.45	29.34	0
4/9/20 7:45	2.17	284.4	14.98	9.2	29.34	0
4/9/20 8:00	3.51	340.1	17.05	9.3	29.34	0
4/9/20 8:15	2.709	6.734	27.19	9.34	29.34	0
4/9/20 8:30	1.57	1.53	33.86	10.25	29.34	0
4/9/20 8:45	2.712	144.6	23.91	10.42	29.34	0
4/9/20 9:00	1.833	181.8	50.79	10.83	29.35	0
4/9/20 9:15	2.514	206.7	25.72	11.28	29.35	0
4/9/20 9:30	2.03	243.3	26.44	12.2	29.35	0
4/9/20 9:45	1.991	238	21.54	12.62	29.35	0
4/9/20 10:00	2.504	316.2	55.98	13.12	29.34	0
4/9/20 10:15	2.224	33.21	24.77	14.13	29.34	0
4/9/20 10:30	3.664	38.17	39.45	14.91	29.34	0
4/9/20 10:45	4.271	355.9	53.92	15.11	29.34	0
4/9/20 11:00	1.814	295.7	40.39	15.5	29.33	0
4/9/20 11:15	5.682	353.7	27.36	16.59	29.33	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/9/20 11:30	6.465	26.56	29.48	16.38	29.33	0
4/9/20 11:45	6.912	350.9	28.66	16.87	29.33	0
4/9/20 12:00	7.535	330.5	27.61	17.22	29.31	0
4/9/20 12:15	8.12	311.8	15.79	17.18	29.31	0
4/9/20 12:30	6.273	333.2	20.15	17.7	29.31	0
4/9/20 12:45	7.297	354.7	19.47	18.03	29.31	0
4/9/20 13:00	9.54	346.8	15.41	18.29	29.3	0
4/9/20 13:15	9.78	352.5	17.18	18.49	29.3	0
4/9/20 13:30	8.67	357	20.47	18.89	29.3	0
4/9/20 13:45	8.38	10.93	15.23	18.67	29.3	0
4/9/20 14:00	9.82	22.8	11.47	18.93	29.28	0
4/9/20 14:15	9.24	13.27	11.17	19.17	29.28	0
4/9/20 14:30	6.905	2.41	22.57	19.66	29.28	0
4/9/20 14:45	6.59	340.6	30.37	19.86	29.28	0
4/9/20 15:00	6.559	349.5	46.79	19.98	29.25	0
4/9/20 15:15	7.424	24.96	19.49	20.09	29.25	0
4/9/20 15:30	10.43	31.01	10.74	19.23	29.25	0
4/9/20 15:45	9.61	21.48	13.12	19.48	29.25	0
4/9/20 16:00	9.62	25.49	12.38	19.48	29.23	0
4/9/20 16:15	10.63	6.118	19.21	19.41	29.23	0
4/9/20 16:30	10.57	1.236	20.21	19.24	29.23	0
4/9/20 16:45	10.39	357.9	17.68	19.09	29.23	0
4/9/20 17:00	13.37	342.3	11.89	18.72	29.23	0
4/9/20 17:15	11.2	341.3	13.95	18.49	29.23	0
4/9/20 17:30	8.24	334.1	11.79	18.17	29.23	0
4/9/20 17:45	9.02	317.2	5.955	17.9	29.23	0
4/9/20 18:00	8.73	316.6	5.051	17.66	29.21	0
4/9/20 18:15	9.21	322.7	5.405	17.14	29.21	0
4/9/20 18:30	8.48	330.9	7.651	16.83	29.21	0
4/9/20 18:45	10.88	346	13.18	16.55	29.21	0
4/9/20 19:00	10.89	342.9	11.09	16.26	29.22	0
4/9/20 19:15	10.59	340.6	14.48	16.08	29.22	0
4/9/20 19:30	7.632	4.856	21.2	15.93	29.22	0
4/9/20 19:45	7.097	20.69	24.94	15.5	29.22	0
4/9/20 20:00	8.9	42.31	10.46	14.64	29.23	0
4/9/20 20:15	9.11	48.35	12.97	14.18	29.23	0
4/9/20 20:30	5.824	39.42	17.18	14.1	29.23	0
4/9/20 20:45	7.459	32.2	19.09	14.46	29.23	0
4/9/20 21:00	6.642	46.13	18.84	14.01	29.26	0
4/9/20 21:15	10.13	45.95	11.16	13.79	29.26	0
4/9/20 21:30	13.63	24.2	6.377	12.97	29.26	0
4/9/20 21:45	11.4	28.12	5.32	12.64	29.26	0
4/9/20 22:00	10.65	29.24	6.653	12.4	29.24	0
4/9/20 22:15	11.57	27.05	6.594	12.21	29.24	0
4/9/20 22:30	11.66	24.61	7.511	12.43	29.24	0
4/9/20 22:45	6.858	46.25	18.68	11.77	29.24	0
4/9/20 23:00	3.67	52.98	16.56	11.73	29.24	0
4/9/20 23:15	5.762	32.84	11.06	12.12	29.24	0
4/9/20 23:30	4.194	24.05	10.78	11.75	29.24	0
4/9/20 23:45	2.615	54.53	14.7	10.79	29.24	0
4/10/20 0:00	3.239	50.62	3.829	10.45	29.26	0
4/10/20 0:15	3.111	42.51	17.08	10.39	29.26	0
4/10/20 0:30	3.539	49.6	22.32	10.08	29.26	0
4/10/20 0:45	3.875	34.68	29.99	8.81	29.26	0
4/10/20 1:00	2.129	354.8	31.86	9.83	29.25	0
4/10/20 1:15	2.541	36.08	12.25	9.64	29.25	0
4/10/20 1:30	3.445	50.75	13.91	9.51	29.25	0
4/10/20 1:45	3.446	45.59	9.01	10.04	29.25	0
4/10/20 2:00	1.876	140.6	54.43	10.01	29.25	0
4/10/20 2:15	2.442	146.6	34.57	8.45	29.25	0
4/10/20 2:30	0.817	75.25	31.31	8.13	29.25	0
4/10/20 2:45	0.66	32.58	51.04	8.07	29.25	0
4/10/20 3:00	1.289	237.9	13.65	8.25	29.26	0
4/10/20 3:15	1.664	189.8	19.63	8.19	29.26	0
4/10/20 3:30	2.776	187.1	7.593	8.37	29.26	0
4/10/20 3:45	3.863	179.5	5.959	7.836	29.26	0
4/10/20 4:00	3.099	180.7	6.028	8.25	29.25	0
4/10/20 4:15	2.105	163.6	10.31	8.06	29.25	0
4/10/20 4:30	1.592	156.4	8.97	8.49	29.25	0
4/10/20 4:45	1.501	142.4	36.01	8.42	29.25	0
4/10/20 5:00	1.987	70.03	56.28	8.04	29.25	0
4/10/20 5:15	1.703	10.82	13.59	7.767	29.25	0
4/10/20 5:30	1.32	13.54	9.67	7.189	29.25	0
4/10/20 5:45	1.528	53.55	7.659	7.151	29.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/10/20 6:00	0.598	62.25	0.656	6.878	29.28	0
4/10/20 6:15	1.406	153.9	3.771	6.987	29.28	0
4/10/20 6:30	4.144	173.9	6.97	6.938	29.28	0
4/10/20 6:45	3.855	173.1	7.843	7.524	29.28	0
4/10/20 7:00	3.609	170.7	6.847	7.915	29.27	0
4/10/20 7:15	4.562	175.6	14.43	8.39	29.27	0
4/10/20 7:30	3.867	176.8	14.97	9.03	29.27	0
4/10/20 7:45	3.335	153.9	19.48	9.79	29.27	0
4/10/20 8:00	3.525	159.2	15.36	9.96	29.27	0
4/10/20 8:15	4.197	180.1	19.01	9.96	29.27	0
4/10/20 8:30	4.435	203	20.52	10.09	29.27	0
4/10/20 8:45	4.2	207.3	14.4	10.57	29.27	0
4/10/20 9:00	3.747	229	15.46	11.02	29.29	0
4/10/20 9:15	3.189	215.1	22.67	11.83	29.29	0
4/10/20 9:30	1.95	238.4	34.47	12.62	29.29	0
4/10/20 9:45	2.003	202.3	42.75	13.12	29.29	0
4/10/20 10:00	2.832	227.6	34.89	13.36	29.29	0
4/10/20 10:15	2.758	248.9	35.08	14.21	29.29	0
4/10/20 10:30	3.312	228.8	47.15	14.73	29.29	0
4/10/20 10:45	3.447	222.2	45.43	15.02	29.29	0
4/10/20 11:00	5.061	270.2	55.12	15.54	29.27	0
4/10/20 11:15	6.179	314.5	26.54	15.67	29.27	0
4/10/20 11:30	6.16	274.7	17.34	15.85	29.27	0
4/10/20 11:45	5.136	278.4	22.94	15.86	29.27	0
4/10/20 12:00	5.96	276.9	29.17	16.55	29.26	0
4/10/20 12:15	6.395	253.6	32.96	16.38	29.26	0
4/10/20 12:30	6.5	274.5	19.15	16.38	29.26	0
4/10/20 12:45	6.224	270	16.42	16.55	29.26	0
4/10/20 13:00	6.609	281.4	27.21	16.96	29.23	0
4/10/20 13:15	5.765	280.6	34.99	17.04	29.23	0
4/10/20 13:30	7.12	304.2	15.54	17.49	29.23	0
4/10/20 13:45	7.224	287.2	16.17	17.18	29.23	0
4/10/20 14:00	7.601	290.9	12.69	17.11	29.21	0
4/10/20 14:15	8.08	279.5	13.29	17.31	29.21	0
4/10/20 14:30	5.827	286	31.38	17.47	29.21	0
4/10/20 14:45	6.464	279.6	28.59	17.54	29.21	0
4/10/20 15:00	6.266	264.5	18.89	17.93	29.22	0
4/10/20 15:15	8.19	285.6	13.28	18.04	29.22	0
4/10/20 15:30	6.551	280.6	20.8	17.9	29.22	0
4/10/20 15:45	8.18	266.4	29	17.83	29.22	0
4/10/20 16:00	8.6	248.9	15.53	17.42	29.2	0
4/10/20 16:15	8.31	265.5	12.79	17.17	29.2	0
4/10/20 16:30	7.647	255	17.32	17.4	29.2	0
4/10/20 16:45	8.9	255.7	10.59	17.04	29.2	0
4/10/20 17:00	9.24	269.2	11.81	16.9	29.18	0
4/10/20 17:15	7.887	263.3	16.38	17.22	29.18	0
4/10/20 17:30	8.67	258.7	14.63	16.23	29.18	0
4/10/20 17:45	7.805	259.5	13.36	15.8	29.18	0
4/10/20 18:00	7.511	267.3	12.08	15.5	29.17	0
4/10/20 18:15	7.482	268.5	9.25	15.2	29.17	0
4/10/20 18:30	8.14	254.4	8.38	14.72	29.17	0
4/10/20 18:45	7.999	240.5	10.93	14.5	29.17	0
4/10/20 19:00	6.787	242.3	9.67	14.23	29.2	0
4/10/20 19:15	6.29	237.7	7.698	14.03	29.2	0
4/10/20 19:30	7.518	249.6	9.38	13.88	29.2	0
4/10/20 19:45	7.206	243.4	7.19	13.34	29.2	0
4/10/20 20:00	5.355	245.5	15.31	12.96	29.21	0
4/10/20 20:15	7.697	260.3	6.878	12.61	29.21	0
4/10/20 20:30	7.84	273.7	11.71	12.31	29.21	0
4/10/20 20:45	7.881	268.9	11.17	11.75	29.21	0
4/10/20 21:00	7.837	284.7	10.36	11.3	29.22	0
4/10/20 21:15	7.739	275	13.13	10.72	29.22	0
4/10/20 21:30	7.829	265.2	9.48	10.48	29.22	0
4/10/20 21:45	7.845	253.9	12.5	10.16	29.22	0
4/10/20 22:00	7.562	255.5	11.22	9.93	29.21	0
4/10/20 22:15	8.74	263.1	8.51	9.62	29.21	0
4/10/20 22:30	6.498	270.7	11.07	9.41	29.21	0
4/10/20 22:45	6.816	272	8.63	9.21	29.21	0
4/10/20 23:00	6.449	267.6	6.908	9.06	29.21	0
4/10/20 23:15	7.008	260.1	7.206	9	29.21	0
4/10/20 23:30	6.13	263.5	10.87	8.89	29.21	0
4/10/20 23:45	7.034	242.1	16.64	8.93	29.21	0
4/11/20 0:00	10.67	210.6	9.11	8.77	29.22	0
4/11/20 0:15	10.01	209.2	8.76	8.51	29.22	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/11/20 0:30	10.25	198.3	10.31	8.36	29.22	0
4/11/20 0:45	10.97	203.7	7.416	8.05	29.22	0
4/11/20 1:00	9.89	199	11.12	7.995	29.24	0
4/11/20 1:15	9.91	198.8	8.15	7.837	29.24	0
4/11/20 1:30	8.97	202.4	8.1	7.68	29.24	0
4/11/20 1:45	8.7	201.1	8.22	7.67	29.24	0
4/11/20 2:00	10.49	202.5	7.18	7.493	29.25	0
4/11/20 2:15	10.86	193.9	8.26	7.297	29.25	0
4/11/20 2:30	10.82	199.2	5.387	7.209	29.25	0
4/11/20 2:45	8.72	201.4	7.901	7.19	29.25	0
4/11/20 3:00	7.405	186.6	12.5	7.131	29.25	0
4/11/20 3:15	8.79	192	9.79	7.092	29.25	0
4/11/20 3:30	9.09	192.8	8.37	6.965	29.25	0
4/11/20 3:45	10.05	192.7	8.73	6.906	29.25	0
4/11/20 4:00	9.38	191.9	7.974	6.869	29.24	0
4/11/20 4:15	8.89	201.2	8.74	6.89	29.24	0
4/11/20 4:30	7.658	194.6	8.88	6.849	29.24	0
4/11/20 4:45	7.332	169.8	12.83	6.811	29.24	0
4/11/20 5:00	7.774	183.9	12.97	6.811	29.26	0
4/11/20 5:15	6.847	179.1	9.33	6.793	29.26	0
4/11/20 5:30	5.594	166.5	21.02	6.773	29.26	0
4/11/20 5:45	7.575	171	16.21	6.743	29.26	0
4/11/20 6:00	8.27	189.7	8.64	6.773	29.26	0
4/11/20 6:15	6.267	191.2	8.87	6.735	29.26	0
4/11/20 6:30	6.47	191.1	15.99	6.755	29.26	0
4/11/20 6:45	6.17	193	9.29	6.735	29.26	0
4/11/20 7:00	5.707	205.3	7.916	6.813	29.3	0
4/11/20 7:15	6.066	218.8	8.42	6.931	29.3	0
4/11/20 7:30	4.921	214.7	13.03	6.824	29.3	0
4/11/20 7:45	5.003	221.5	13.08	6.853	29.3	0
4/11/20 8:00	5.291	193.6	8.1	6.706	29.3	0
4/11/20 8:15	5.423	207.4	8.61	6.578	29.3	0
4/11/20 8:30	4.346	204.8	11.23	6.442	29.3	0
4/11/20 8:45	3.4	225.3	18.54	6.344	29.3	0
4/11/20 9:00	4.088	219.8	15.21	6.549	29.33	0
4/11/20 9:15	3.668	196.5	10.11	6.471	29.33	0
4/11/20 9:30	2.778	187.3	17.4	6.423	29.33	0
4/11/20 9:45	1.048	144.4	34.5	6.715	29.33	0
4/11/20 10:00	2.614	146.6	17.93	7.124	29.34	0
4/11/20 10:15	3.429	177.4	15.49	7.359	29.34	0
4/11/20 10:30	3.815	186.9	18.51	7.259	29.34	0
4/11/20 10:45	3.844	220.5	11.25	7.18	29.34	0
4/11/20 11:00	2.477	175.7	14.47	7.336	29.34	0
4/11/20 11:15	3.079	151.7	16.09	7.415	29.34	0
4/11/20 11:30	3.042	182.2	14.66	7.749	29.34	0
4/11/20 11:45	1.269	188	26.95	7.857	29.34	0
4/11/20 12:00	2.425	181.4	19.68	8.03	29.34	0
4/11/20 12:15	2.543	225	16.84	7.887	29.34	0
4/11/20 12:30	4.044	235.6	8.65	7.857	29.34	0
4/11/20 12:45	3.476	255.7	20.27	7.946	29.34	0
4/11/20 13:00	1.443	224	65.28	8.38	29.36	0
4/11/20 13:15	1.056	121.1	15.02	8.65	29.36	0
4/11/20 13:30	0.992	69.67	10.71	8.85	29.36	0
4/11/20 13:45	1.047	118.5	40.96	9.36	29.36	0
4/11/20 14:00	1.334	152.8	43.23	10.5	29.35	0
4/11/20 14:15	2.228	168.1	39.72	10.49	29.35	0
4/11/20 14:30	1.558	194.5	46.62	10.93	29.35	0
4/11/20 14:45	7.274	10.07	31.58	12.22	29.35	0
4/11/20 15:00	9.39	357.4	24.39	12.75	29.35	0
4/11/20 15:15	7.268	338.8	26.3	12.83	29.35	0
4/11/20 15:30	8.09	337.4	18.15	12.81	29.35	0
4/11/20 15:45	7.391	7.435	17.49	12.89	29.35	0
4/11/20 16:00	8.93	355.4	15.2	12.63	29.33	0
4/11/20 16:15	4.735	344.7	28.7	13.51	29.33	0
4/11/20 16:30	6.818	320.4	40.83	13.49	29.33	0
4/11/20 16:45	12.84	316.1	23.51	13.24	29.33	0
4/11/20 17:00	12.15	358.9	14.98	12.89	29.34	0
4/11/20 17:15	11.15	355	15.97	12.7	29.34	0
4/11/20 17:30	10.38	338.2	11.28	12.51	29.34	0
4/11/20 17:45	10.41	349.4	15.61	12.31	29.34	0
4/11/20 18:00	9.65	336.2	12.42	12.05	29.35	0
4/11/20 18:15	9.63	337.1	9.46	11.75	29.35	0
4/11/20 18:30	9.04	355.9	16.8	11.46	29.35	0
4/11/20 18:45	10.08	356.7	13.86	11.09	29.35	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/11/20 19:00	9.98	3.344	14.18	11.01	29.35	0
4/11/20 19:15	9.53	3.372	12.12	10.43	29.35	0
4/11/20 19:30	9.77	9.78	8.03	10.38	29.35	0
4/11/20 19:45	7.672	15.01	6.055	9.82	29.35	0
4/11/20 20:00	7.545	23.86	5.061	9.48	29.37	0
4/11/20 20:15	8.58	29.41	4.895	9.21	29.37	0
4/11/20 20:30	8	31.32	6.223	9	29.37	0
4/11/20 20:45	8.58	30.33	5.469	8.63	29.37	0
4/11/20 21:00	6.804	35.06	8.38	8.64	29.37	0
4/11/20 21:15	7.604	29.18	6.588	8.52	29.37	0
4/11/20 21:30	5.524	30.26	17.63	8.18	29.37	0
4/11/20 21:45	2.403	190.8	32.03	8.6	29.37	0
4/11/20 22:00	0.764	352.3	71.77	8.62	29.39	0
4/11/20 22:15	3.765	199.8	10.86	8.64	29.39	0
4/11/20 22:30	5.343	182.1	8.92	8.17	29.39	0
4/11/20 22:45	3.668	190.1	18.83	8.27	29.39	0
4/11/20 23:00	4.66	170.3	22.78	6.603	29.39	0
4/11/20 23:15	3.384	133.6	6.603	6.486	29.39	0
4/11/20 23:30	3.503	174.5	24.09	5.817	29.39	0
4/11/20 23:45	3.69	168.2	28.38	6.323	29.39	0
4/12/20 0:00	5.249	197.6	11.38	5.021	29.39	0
4/12/20 0:15	4.926	196.7	7.603	5.031	29.39	0
4/12/20 0:30	3.871	173.8	11.33	4.905	29.39	0
4/12/20 0:45	4.191	166.5	13.66	5.021	29.39	0
4/12/20 1:00	3.772	141.8	12.6	5.021	29.41	0
4/12/20 1:15	4.294	149.3	9.49	5.041	29.41	0
4/12/20 1:30	3.818	123.3	7.745	5.021	29.41	0
4/12/20 1:45	2.754	139.5	7.482	4.586	29.41	0
4/12/20 2:00	3.427	148.7	4.741	5.099	29.41	0
4/12/20 2:15	3.202	148.6	4.695	5.157	29.41	0
4/12/20 2:30	2.19	136.1	9.21	4.663	29.41	0
4/12/20 2:45	2.467	116.7	9.13	4.47	29.41	0
4/12/20 3:00	2.32	135.5	6.904	4.383	29.41	0
4/12/20 3:15	2.676	137.2	5.684	4.818	29.41	0
4/12/20 3:30	1.673	135.6	11.15	4.702	29.41	0
4/12/20 3:45	2.019	103.3	13.42	4.934	29.41	0
4/12/20 4:00	0.896	68.84	11.51	4.867	29.4	0
4/12/20 4:15	2.256	52.34	10.85	3.842	29.4	0
4/12/20 4:30	0.693	40.46	14.92	2.801	29.4	0
4/12/20 4:45	0.909	302.3	21.02	3.485	29.4	0
4/12/20 5:00	0.888	29.22	9.59	4.336	29.42	0
4/12/20 5:15	0.928	351.2	48.13	4.956	29.42	0
4/12/20 5:30	1.421	35.48	10.56	2.988	29.42	0
4/12/20 5:45	2.747	19.16	13.19	3.219	29.42	0
4/12/20 6:00	0.14	42.68	0.017	4.28	29.43	0
4/12/20 6:15	0.012	39.9	1.782	4.811	29.43	0
4/12/20 6:30	1.133	300.8	6.466	4.984	29.43	0
4/12/20 6:45	1.07	281.6	5.097	5.37	29.43	0
4/12/20 7:00	1.405	270.5	33.91	6.021	29.43	0
4/12/20 7:15	2.325	265.6	23.43	5.982	29.43	0
4/12/20 7:30	1.763	257	14.61	6.331	29.43	0
4/12/20 7:45	1.545	293.4	26.41	7.022	29.43	0
4/12/20 8:00	2.077	285.2	18.04	7.428	29.47	0
4/12/20 8:15	2.192	238.2	20.84	7.583	29.47	0
4/12/20 8:30	2.292	277.6	26.28	8.13	29.47	0
4/12/20 8:45	2.53	284.3	27.34	8.81	29.47	0
4/12/20 9:00	2.986	273.9	15.69	8.85	29.48	0
4/12/20 9:15	2.294	315.6	25.31	9.43	29.48	0
4/12/20 9:30	3.339	17.03	30.07	9.53	29.48	0
4/12/20 9:45	3.346	55.24	18.96	9.56	29.48	0
4/12/20 10:00	3.303	37.24	28.82	10.28	29.46	0
4/12/20 10:15	4.982	40.27	17.67	10.45	29.46	0
4/12/20 10:30	2.966	49.95	30.91	10.93	29.46	0
4/12/20 10:45	2.826	357.5	71.65	11.99	29.46	0
4/12/20 11:00	6.715	0.29	34.31	12.37	29.45	0
4/12/20 11:15	9.1	318.6	15.92	12.26	29.45	0
4/12/20 11:30	10.76	322.1	19.41	13.01	29.45	0
4/12/20 11:45	8.02	34.5	25.75	12.74	29.45	0
4/12/20 12:00	7.772	22.06	29.02	13.07	29.45	0
4/12/20 12:15	7.021	356	24.39	13.51	29.45	0
4/12/20 12:30	7.934	337.6	26.19	13.85	29.45	0
4/12/20 12:45	6.693	328.7	33.18	13.82	29.45	0
4/12/20 13:00	10.95	313.8	19.66	14.29	29.42	0
4/12/20 13:15	12.7	298.5	14.09	14.47	29.42	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/12/20 13:30	12.64	317.3	10.45	14.04	29.42	0
4/12/20 13:45	12.25	330.8	15.38	14.38	29.42	0
4/12/20 14:00	15.94	335	19.19	13.96	29.42	0
4/12/20 14:15	13.21	337.3	24.73	14.25	29.42	0
4/12/20 14:30	15.5	350.8	18.4	14.25	29.42	0
4/12/20 14:45	14.51	327.9	19.03	13.88	29.42	0
4/12/20 15:00	12.53	332.8	14.54	13.78	29.42	0
4/12/20 15:15	12.93	332.3	22.14	13.98	29.42	0
4/12/20 15:30	12.07	345.1	23.81	13.82	29.42	0
4/12/20 15:45	12.76	335.8	12.54	13.47	29.42	0
4/12/20 16:00	11.5	330.3	14.72	13.49	29.39	0
4/12/20 16:15	13.39	324.9	10.98	13.27	29.39	0
4/12/20 16:30	14.15	330.6	15.02	13.1	29.39	0
4/12/20 16:45	13.6	329.5	12.91	12.99	29.39	0
4/12/20 17:00	13.91	330.4	17.34	12.95	29.4	0
4/12/20 17:15	12.71	328.5	11.56	12.8	29.4	0
4/12/20 17:30	14.04	324.6	11.5	12.63	29.4	0
4/12/20 17:45	13.96	324.5	9	12.22	29.4	0
4/12/20 18:00	14.46	329	9.14	12.05	29.41	0
4/12/20 18:15	12.16	327.7	11.02	11.81	29.41	0
4/12/20 18:30	14.29	330.9	9.66	11.59	29.41	0
4/12/20 18:45	9.86	326.1	9.71	11.28	29.41	0
4/12/20 19:00	9.33	344.2	16.43	10.89	29.42	0
4/12/20 19:15	9.1	340.4	11.97	10.29	29.42	0
4/12/20 19:30	9.41	336.4	10.7	10.09	29.42	0
4/12/20 19:45	6.741	13.9	24.24	9.71	29.42	0
4/12/20 20:00	9.57	26.63	11.51	10.23	29.42	0
4/12/20 20:15	12.14	22.48	8.28	10.12	29.42	0
4/12/20 20:30	5.396	44.8	16.22	9.72	29.42	0
4/12/20 20:45	4.005	42.3	28.79	9.54	29.42	0
4/12/20 21:00	5.367	31.43	21.67	9.52	29.43	0
4/12/20 21:15	2.221	98.3	36.51	8.97	29.43	0
4/12/20 21:30	2.952	74.42	24.95	8.76	29.43	0
4/12/20 21:45	4.396	44.5	12.73	9.09	29.43	0
4/12/20 22:00	2.501	16.48	29.78	8.94	29.47	0
4/12/20 22:15	1.246	312.3	56.08	9.04	29.47	0
4/12/20 22:30	1.7	317.9	59.46	9.24	29.47	0
4/12/20 22:45	1.672	138.3	35.42	9.24	29.47	0
4/12/20 23:00	1.093	73.28	27.64	8.51	29.46	0
4/12/20 23:15	3.82	134.6	6.049	7.71	29.46	0
4/12/20 23:30	2.715	115.2	12.87	7.456	29.46	0
4/12/20 23:45	2.223	156.9	39.09	5.486	29.46	0
4/13/20 0:00	3.543	200.6	12.73	5.749	29.46	0
4/13/20 0:15	2.965	171.5	12.37	6.635	29.46	0
4/13/20 0:30	1.142	132.8	11.73	5.72	29.46	0
4/13/20 0:45	0.784	116.2	8.99	5.662	29.46	0
4/13/20 1:00	1.313	82.6	11.38	5.351	29.47	0
4/13/20 1:15	1.268	75.38	8.78	5.292	29.47	0
4/13/20 1:30	0.931	155.4	43.16	5.603	29.47	0
4/13/20 1:45	1.308	99.4	10.16	5.622	29.47	0
4/13/20 2:00	0.517	124.3	0.442	5.69	29.49	0
4/13/20 2:15	0.897	116.4	18.24	5.176	29.49	0
4/13/20 2:30	1.277	70.72	12.26	3.9	29.49	0
4/13/20 2:45	2.069	90	29.88	4.296	29.49	0
4/13/20 3:00	2.997	172.9	21.95	5.128	29.51	0
4/13/20 3:15	2.755	190	8.56	5.632	29.51	0
4/13/20 3:30	4.874	183	5.835	4.373	29.51	0
4/13/20 3:45	3.935	180	6.447	3.63	29.51	0
4/13/20 4:00	3.532	181.1	8.69	4.006	29.51	0
4/13/20 4:15	4.218	176.4	7.236	3.418	29.51	0
4/13/20 4:30	3.018	157	9.61	3.698	29.51	0
4/13/20 4:45	3.191	144.1	9.71	3.659	29.51	0
4/13/20 5:00	2.911	134.4	9.57	3.64	29.54	0
4/13/20 5:15	3.065	133.7	10.85	3.534	29.54	0
4/13/20 5:30	2.302	126.5	8.83	3.273	29.54	0
4/13/20 5:45	3.483	146.6	20.46	3.948	29.54	0
4/13/20 6:00	5.286	160.7	8.29	3.833	29.56	0
4/13/20 6:15	4.271	142.2	7.422	3.939	29.56	0
4/13/20 6:30	2.101	145.6	9.19	4.219	29.56	0
4/13/20 6:45	3.248	166.2	8.96	5.031	29.56	0
4/13/20 7:00	3.794	163.9	7.476	5.661	29.58	0
4/13/20 7:15	3.028	167.3	8.94	5.943	29.58	0
4/13/20 7:30	2.034	172.9	13.87	6.703	29.58	0
4/13/20 7:45	2.064	163.2	16.62	7.245	29.58	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/13/20 8:00	2.634	154.1	11.95	7.672	29.58	0
4/13/20 8:15	2.659	164.1	17.68	8.47	29.58	0
4/13/20 8:30	3.06	163.8	15.97	8.8	29.58	0
4/13/20 8:45	3.338	154.9	22.04	9.66	29.58	0
4/13/20 9:00	3.206	166.5	32.66	10.29	29.57	0
4/13/20 9:15	3.806	177.5	27.17	10.57	29.57	0
4/13/20 9:30	3.315	177	21.64	11.37	29.57	0
4/13/20 9:45	2.36	173.8	44.62	12.28	29.57	0
4/13/20 10:00	4.119	223.7	27.65	12.21	29.59	0
4/13/20 10:15	2.549	269.8	58	12.51	29.59	0
4/13/20 10:30	2.579	280.7	39.63	13.3	29.59	0
4/13/20 10:45	5.051	280	46.59	13.55	29.59	0
4/13/20 11:00	9.14	282.6	22.32	13.8	29.57	0
4/13/20 11:15	8.5	277	20.58	14	29.57	0
4/13/20 11:30	7.224	307.1	17.85	13.88	29.57	0
4/13/20 11:45	7.124	294.1	30.24	14.08	29.57	0
4/13/20 12:00	6.268	296.7	21.76	14.34	29.58	0
4/13/20 12:15	8.57	303.9	15.53	15.07	29.58	0
4/13/20 12:30	7.902	304.2	34.48	14.9	29.58	0
4/13/20 12:45	6.901	334.6	43.08	15.63	29.58	0
4/13/20 13:00	8.15	318.4	29.48	15.59	29.58	0
4/13/20 13:15	7.207	341.5	47.25	15.08	29.58	0
4/13/20 13:30	8.08	342.1	24.31	15.65	29.58	0
4/13/20 13:45	8.43	320.1	24.07	15.37	29.58	0
4/13/20 14:00	8.91	346.8	30.23	15.72	29.57	0
4/13/20 14:15	8.38	341.7	22.27	15.99	29.57	0
4/13/20 14:30	8.3	320.6	17.68	16.09	29.57	0
4/13/20 14:45	6.472	341.2	32.48	16.16	29.57	0
4/13/20 15:00	6.101	313.8	25.87	16.2	29.55	0
4/13/20 15:15	7.795	314.3	16.22	16.33	29.55	0
4/13/20 15:30	8.29	326.9	25.74	16.43	29.55	0
4/13/20 15:45	7.27	318.8	41.73	16.81	29.55	0
4/13/20 16:00	9.25	321.6	28.44	16.59	29.56	0
4/13/20 16:15	6.376	1.963	24.45	16.43	29.56	0
4/13/20 16:30	6.188	9.49	47.74	16.5	29.56	0
4/13/20 16:45	7.137	5.522	29.35	16.15	29.56	0
4/13/20 17:00	8.21	354.3	21.09	16.15	29.55	0
4/13/20 17:15	9.5	352.6	18.96	15.69	29.55	0
4/13/20 17:30	8.66	357.4	19.53	15.56	29.55	0
4/13/20 17:45	8.53	341.6	12.19	15.15	29.55	0
4/13/20 18:00	6.993	351.2	19.66	15.28	29.55	0
4/13/20 18:15	9.27	331.1	9.81	15.09	29.55	0
4/13/20 18:30	7.137	354.9	15.12	14.84	29.55	0
4/13/20 18:45	6.417	0.832	12.92	14.53	29.55	0
4/13/20 19:00	3.864	355.9	15.95	14.31	29.53	0
4/13/20 19:15	5.686	10.7	6.746	13.69	29.53	0
4/13/20 19:30	5.249	25.6	10.28	13.4	29.53	0
4/13/20 19:45	3.527	33.84	5.273	12.76	29.53	0
4/13/20 20:00	4.823	49.05	5.778	12.54	29.54	0
4/13/20 20:15	4.843	35.55	4.51	12.47	29.54	0
4/13/20 20:30	3.258	23.41	27.15	12.36	29.54	0
4/13/20 20:45	4.189	317.6	21.82	13.42	29.54	0
4/13/20 21:00	6.318	295.6	31.47	13.67	29.53	0
4/13/20 21:15	3.193	241.1	81.2	12.89	29.53	0
4/13/20 21:30	5.346	190.2	11.4	10.78	29.53	0
4/13/20 21:45	3.71	157.3	9.47	10.33	29.53	0
4/13/20 22:00	4.535	155.2	14.02	10.45	29.52	0
4/13/20 22:15	4.298	160.7	5.7	10.32	29.52	0
4/13/20 22:30	2.874	207.2	28.83	10.41	29.52	0
4/13/20 22:45	3.307	169.7	25.05	9.98	29.52	0
4/13/20 23:00	4.417	150.3	13.82	10.02	29.53	0
4/13/20 23:15	3.159	102.3	11.8	9.81	29.53	0
4/13/20 23:30	2.138	115.1	13.6	9.76	29.53	0
4/13/20 23:45	1.899	145.9	17.29	9.78	29.53	0
4/14/20 0:00	2.971	106.8	20.26	8.77	29.53	0
4/14/20 0:15	3.247	185.5	10.08	9.45	29.53	0
4/14/20 0:30	4.64	194.3	11.62	9.44	29.53	0
4/14/20 0:45	4.681	189.4	13.63	8.04	29.53	0
4/14/20 1:00	3.155	164.8	9.94	8.24	29.51	0
4/14/20 1:15	2.535	154	14.07	8.04	29.51	0
4/14/20 1:30	1.84	110.2	12.31	7.819	29.51	0
4/14/20 1:45	5.354	159.2	10.21	8.6	29.51	0
4/14/20 2:00	5.209	160.5	6.684	8.27	29.52	0
4/14/20 2:15	3.989	171.8	11.77	8.25	29.52	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/14/20 2:30	4.021	159	5.331	8.11	29.52	0
4/14/20 2:45	5.555	140.7	10.24	7.795	29.52	0
4/14/20 3:00	3.524	149	20.89	7.835	29.51	0
4/14/20 3:15	3.768	171.3	8.96	8.06	29.51	0
4/14/20 3:30	3.92	167.7	9.24	8.16	29.51	0
4/14/20 3:45	3.549	142	10.35	8.16	29.51	0
4/14/20 4:00	3.232	143.8	7.748	7.935	29.52	0
4/14/20 4:15	3.54	148.5	6.928	7.837	29.52	0
4/14/20 4:30	4.024	151.8	5.022	7.582	29.52	0
4/14/20 4:45	3.381	136.6	3.714	7.544	29.52	0
4/14/20 5:00	4.118	143.8	6.051	7.457	29.53	0
4/14/20 5:15	4.382	149.6	5.065	7.526	29.53	0
4/14/20 5:30	3.553	138.3	4.028	7.428	29.53	0
4/14/20 5:45	3.929	147.1	4.975	7.497	29.53	0
4/14/20 6:00	2.886	164.9	16.51	7.743	29.51	0
4/14/20 6:15	4.728	195.5	13.36	7.32	29.51	0
4/14/20 6:30	3.912	157.5	13.45	5.934	29.51	0
4/14/20 6:45	3.292	188.3	19.89	7.605	29.51	0
4/14/20 7:00	2.977	177.7	12.98	8.33	29.52	0
4/14/20 7:15	3.547	181.2	7.707	8.6	29.52	0
4/14/20 7:30	4.949	184.8	11.55	8.13	29.52	0
4/14/20 7:45	5.42	190.6	8.93	8.19	29.52	0
4/14/20 8:00	6.22	179.8	15.67	9.16	29.52	0
4/14/20 8:15	6.641	196.2	7.994	8.75	29.52	0
4/14/20 8:30	6.514	198.2	11.74	9.22	29.52	0
4/14/20 8:45	5.097	202.8	14.5	10	29.52	0
4/14/20 9:00	4.263	166.2	18.63	10.41	29.54	0
4/14/20 9:15	3.829	195.8	17.79	10.46	29.54	0
4/14/20 9:30	3.594	241.2	50.53	10.98	29.54	0
4/14/20 9:45	4.429	235.6	44.56	11.53	29.54	0
4/14/20 10:00	3.66	169.9	52.7	12.35	29.51	0
4/14/20 10:15	4.894	212.4	39.13	12.33	29.51	0
4/14/20 10:30	4.144	232.1	24.2	13.2	29.51	0
4/14/20 10:45	6.046	235.3	17.67	12.67	29.51	0
4/14/20 11:00	4.043	239.8	29.16	13.3	29.52	0
4/14/20 11:15	4.297	210.7	29.06	13.95	29.52	0
4/14/20 11:30	5.412	215	23.7	14.07	29.52	0
4/14/20 11:45	4.849	200.7	33.72	14.38	29.52	0
4/14/20 12:00	4.355	232.8	33.77	14.68	29.48	0
4/14/20 12:15	4.596	210	28.88	14.96	29.48	0
4/14/20 12:30	5.215	208	34.94	16.02	29.48	0
4/14/20 12:45	5.889	196.3	18.12	15.41	29.48	0
4/14/20 13:00	4.681	217.2	51.65	16.15	29.49	0
4/14/20 13:15	6.374	217.3	21.81	16.59	29.49	0
4/14/20 13:30	6.103	195.4	22.46	16.13	29.49	0
4/14/20 13:45	4.333	200.4	33.86	16.33	29.49	0
4/14/20 14:00	6.058	253.6	38.7	16.5	29.47	0
4/14/20 14:15	5.652	269.8	34.28	17.1	29.47	0
4/14/20 14:30	7.204	234.6	22.05	16.8	29.47	0
4/14/20 14:45	7.988	225.2	10.58	16.59	29.47	0
4/14/20 15:00	7.725	249.2	22.74	16.7	29.44	0
4/14/20 15:15	8.73	261.9	19.85	16.83	29.44	0
4/14/20 15:30	7.246	256.2	17.48	16.67	29.44	0
4/14/20 15:45	5.163	251.1	27.94	17.33	29.44	0
4/14/20 16:00	8.74	275.4	19.87	16.98	29.44	0
4/14/20 16:15	8.61	276	14.51	16.91	29.44	0
4/14/20 16:30	8.96	257.5	13.97	17.18	29.44	0
4/14/20 16:45	7.767	261.1	22.21	16.89	29.44	0
4/14/20 17:00	7.355	234.9	18.72	16.59	29.4	0
4/14/20 17:15	7.464	252.4	12.68	16.72	29.4	0
4/14/20 17:30	7.843	245.3	18.97	16.68	29.4	0
4/14/20 17:45	8.14	245.1	14.47	16.22	29.4	0
4/14/20 18:00	5.36	240.5	16.88	15.9	29.4	0
4/14/20 18:15	4.775	247.8	11.13	15.93	29.4	0
4/14/20 18:30	7.241	259.1	10.44	15.55	29.4	0
4/14/20 18:45	6.915	252.5	7.996	15.26	29.4	0
4/14/20 19:00	9.67	265.5	8.41	14.83	29.38	0
4/14/20 19:15	9.19	252.5	8.54	14.38	29.38	0
4/14/20 19:30	10.33	254.6	7.773	13.97	29.38	0
4/14/20 19:45	10.82	253.7	7.668	13.12	29.38	0
4/14/20 20:00	8.31	251	9.24	12.81	29.4	0
4/14/20 20:15	8.93	248.6	9.88	12.41	29.4	0
4/14/20 20:30	6.973	236.8	9.38	11.89	29.4	0
4/14/20 20:45	11.76	227.5	15.33	11.73	29.4	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/14/20 21:00	8.81	237.5	9.23	11.12	29.42	0
4/14/20 21:15	6.32	234.4	12.1	11.04	29.42	0
4/14/20 21:30	6.874	223	10.32	10.66	29.42	0
4/14/20 21:45	7.791	212.3	13.11	10.34	29.42	0
4/14/20 22:00	8.71	203.1	8.46	10.03	29.43	0
4/14/20 22:15	8.65	198	10.14	9.85	29.43	0
4/14/20 22:30	9.38	206	8.64	9.6	29.43	0
4/14/20 22:45	7.997	202.8	8.6	9.48	29.43	0
4/14/20 23:00	9.63	203.3	10.66	9.39	29.44	0
4/14/20 23:15	8.97	188.3	8.78	9.21	29.44	0
4/14/20 23:30	8.62	189.5	11.55	9.1	29.44	0
4/14/20 23:45	8.78	197.4	9.38	9	29.44	0
4/15/20 0:00	7.015	190	9.07	8.95	29.45	0
4/15/20 0:15	8.77	185.2	13.8	8.84	29.45	0
4/15/20 0:30	8.8	197.2	8.96	8.81	29.45	0
4/15/20 0:45	7.844	194.4	9.12	8.79	29.45	0
4/15/20 1:00	6.82	178.1	13.47	8.75	29.45	0
4/15/20 1:15	7.993	188.8	10.46	8.65	29.45	0
4/15/20 1:30	6.916	172.2	12.08	8.61	29.45	0
4/15/20 1:45	6.625	192.2	8.56	8.57	29.45	0
4/15/20 2:00	4.335	181.7	10.05	8.52	29.45	0
4/15/20 2:15	4.727	166.5	18.45	8.45	29.45	0
4/15/20 2:30	6.988	195.2	6.58	8.48	29.45	0
4/15/20 2:45	5.006	149.2	13.87	8.43	29.45	0
4/15/20 3:00	5.303	192.4	17.04	8.33	29.45	0
4/15/20 3:15	3.801	154.9	21.2	8.21	29.45	0
4/15/20 3:30	4.413	157.1	10.88	7.936	29.45	0
4/15/20 3:45	4.137	174.5	16.73	7.837	29.45	0
4/15/20 4:00	4.705	154.7	14.16	7.68	29.43	0
4/15/20 4:15	3.316	133.7	10.74	7.582	29.43	0
4/15/20 4:30	3.608	131.3	9.71	7.69	29.43	0
4/15/20 4:45	2.662	80.2	12.87	7.71	29.43	0
4/15/20 5:00	2.009	74.05	9.54	7.611	29.43	0
4/15/20 5:15	2.981	117.5	10.91	7.818	29.43	0
4/15/20 5:30	3.116	123.9	8.94	7.857	29.43	0
4/15/20 5:45	4.091	129.1	7.911	7.847	29.43	0
4/15/20 6:00	5.06	135.5	8.22	7.857	29.45	0
4/15/20 6:15	4.808	137.1	9.85	7.936	29.45	0
4/15/20 6:30	3.987	123.7	12.38	8.01	29.45	0
4/15/20 6:45	3.461	106.8	10.88	8.05	29.45	0
4/15/20 7:00	3.054	107.5	10.1	8.18	29.48	0
4/15/20 7:15	3.05	108.3	13.63	8.37	29.48	0
4/15/20 7:30	2.291	135.1	17.66	8.94	29.48	0
4/15/20 7:45	2.791	155.5	26.4	9.02	29.48	0
4/15/20 8:00	1.817	139.5	71.31	9.34	29.48	0
4/15/20 8:15	1.87	289.8	18.89	9.34	29.48	0
4/15/20 8:30	1.187	286.7	48.52	9.64	29.48	0
4/15/20 8:45	3.128	287.7	27.39	9.86	29.48	0
4/15/20 9:00	3.852	315.8	15.37	10.12	29.46	0
4/15/20 9:15	2.268	350.8	41.78	10.81	29.46	0
4/15/20 9:30	3.285	326.2	58.74	11.3	29.46	0
4/15/20 9:45	5.971	291.7	9.79	11.4	29.46	0
4/15/20 10:00	4.626	297.8	24.9	11.84	29.47	0
4/15/20 10:15	5.677	315.8	10.93	11.79	29.47	0
4/15/20 10:30	6.574	302.6	20.1	12.62	29.47	0
4/15/20 10:45	7.381	288.4	14.79	12.57	29.47	0
4/15/20 11:00	6.44	317.3	24.03	13.03	29.44	0
4/15/20 11:15	3.464	312.6	37.12	13	29.44	0
4/15/20 11:30	4.941	2.559	34.68	13.91	29.44	0
4/15/20 11:45	7.085	344.6	29.24	12.86	29.44	0
4/15/20 12:00	7.448	12.81	31.51	14.01	29.43	0
4/15/20 12:15	5.988	7.869	34.01	13.94	29.43	0
4/15/20 12:30	7.645	350.8	35.63	14.25	29.43	0
4/15/20 12:45	9.87	351.2	33.16	14.62	29.43	0
4/15/20 13:00	10.92	357.6	36.88	15.18	29.39	0
4/15/20 13:15	11.34	340.2	23.23	15.25	29.39	0
4/15/20 13:30	14.65	343.6	24.75	15.56	29.39	0
4/15/20 13:45	10.72	350	19.6	16.15	29.39	0
4/15/20 14:00	8.96	10.34	22.45	16.42	29.38	0
4/15/20 14:15	12.15	17.88	15.69	16.13	29.38	0
4/15/20 14:30	13.16	13.09	28.65	16.17	29.38	0
4/15/20 14:45	12.9	14.04	23.6	16.53	29.38	0
4/15/20 15:00	8.62	11.49	25.85	16.58	29.37	0
4/15/20 15:15	10.94	9.74	23.96	16.75	29.37	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/15/20 15:30	8.95	17.35	18.56	17.1	29.37	0
4/15/20 15:45	11.28	353.8	30.54	17.19	29.37	0
4/15/20 16:00	14.33	333.2	11.3	17.08	29.37	0
4/15/20 16:15	14.92	328.1	8.94	17.18	29.37	0
4/15/20 16:30	11.8	7.467	16.6	17.35	29.37	0
4/15/20 16:45	10.21	359.3	18.11	17.21	29.37	0
4/15/20 17:00	10.83	7.001	17	17.3	29.35	0
4/15/20 17:15	10.16	358.9	18.41	17.21	29.35	0
4/15/20 17:30	12.04	345.6	20.4	16.99	29.35	0
4/15/20 17:45	10.79	356.2	18.56	16.63	29.35	0
4/15/20 18:00	13.64	359.8	14.44	16.36	29.36	0
4/15/20 18:15	12.32	357.1	14.99	16.24	29.36	0
4/15/20 18:30	11.49	353.6	13.79	15.97	29.36	0
4/15/20 18:45	11.29	351.6	14.23	15.61	29.36	0
4/15/20 19:00	10.69	344.5	10.61	15.24	29.37	0
4/15/20 19:15	10.37	348.8	10.25	14.75	29.37	0
4/15/20 19:30	8.6	352.4	11.35	14.33	29.37	0
4/15/20 19:45	3.97	46	70.46	14.08	29.37	0
4/15/20 20:00	4.851	138.4	12.73	14.23	29.4	0
4/15/20 20:15	4.013	161.6	13.97	14.21	29.4	0
4/15/20 20:30	3.485	177.3	16.75	12.79	29.4	0
4/15/20 20:45	3.053	149.9	16.19	12.81	29.4	0
4/15/20 21:00	4.38	159.9	13.93	12.74	29.39	0
4/15/20 21:15	5.525	163.5	20.57	12.27	29.39	0
4/15/20 21:30	5.702	151.7	8.21	12.13	29.39	0
4/15/20 21:45	2.399	147.5	27.16	11.84	29.39	0
4/15/20 22:00	3.821	155.3	12.62	11.83	29.41	0
4/15/20 22:15	3.937	166.6	8.23	11.59	29.41	0
4/15/20 22:30	3.924	142.2	12.91	11.26	29.41	0
4/15/20 22:45	3.76	156.7	9.63	11.26	29.41	0
4/15/20 23:00	3.076	184.5	24.15	10.73	29.42	0
4/15/20 23:15	4.621	217.9	20.76	10.49	29.42	0
4/15/20 23:30	4.967	197.4	11.04	10.13	29.42	0
4/15/20 23:45	3.823	190.2	9.55	9.68	29.42	0
4/16/20 0:00	2.419	158.2	20.34	9.72	29.42	0
4/16/20 0:15	3.062	122.5	11.15	10.27	29.42	0
4/16/20 0:30	3.918	139	8.64	10.1	29.42	0
4/16/20 0:45	4.638	147	13.18	9.48	29.42	0
4/16/20 1:00	3.594	162.8	19.55	9.31	29.41	0
4/16/20 1:15	4.372	173.7	12.74	9.12	29.41	0
4/16/20 1:30	3.351	153.7	7.292	8.84	29.41	0
4/16/20 1:45	3.649	151.3	6.616	8.98	29.41	0
4/16/20 2:00	1.593	154	9.3	8.72	29.43	0
4/16/20 2:15	2.703	163.4	11.39	8.42	29.43	0
4/16/20 2:30	3.785	165.8	11.14	8.74	29.43	0
4/16/20 2:45	3.051	157	23.6	9.08	29.43	0
4/16/20 3:00	2.167	97.1	17.46	8.91	29.41	0
4/16/20 3:15	3.337	65.97	7.109	8.67	29.41	0
4/16/20 3:30	3.563	52.19	13.8	8.83	29.41	0
4/16/20 3:45	3.38	52.65	6.877	8.75	29.41	0
4/16/20 4:00	2.745	65.31	10.7	9.07	29.44	0
4/16/20 4:15	2.282	58.32	17.6	9.17	29.44	0
4/16/20 4:30	3.249	15.35	4.847	9.07	29.44	0
4/16/20 4:45	2.672	27.07	4.54	7.878	29.44	0
4/16/20 5:00	4.17	316.6	6.276	8.02	29.43	0
4/16/20 5:15	5.663	311.6	4.26	7.998	29.43	0
4/16/20 5:30	6.304	305.9	6.871	8.04	29.43	0
4/16/20 5:45	5.381	313	13.26	8.16	29.43	0
4/16/20 6:00	3.425	311.3	17.68	8.08	29.45	0
4/16/20 6:15	2.209	322.7	55.73	8.52	29.45	0
4/16/20 6:30	0.978	29.71	56.43	8.83	29.45	0
4/16/20 6:45	0.695	304.8	57.83	10.04	29.45	0
4/16/20 7:00	0.535	16.3	32.61	10.47	29.44	0
4/16/20 7:15	1.098	199.9	41.02	10.69	29.44	0
4/16/20 7:30	2.165	274.7	18.93	10.96	29.44	0
4/16/20 7:45	1.671	327	70.69	12.23	29.44	0
4/16/20 8:00	1.682	260.6	26.56	12.41	29.47	0
4/16/20 8:15	1.406	254.6	19.24	12.97	29.47	0
4/16/20 8:30	1.449	168.4	29.35	13.47	29.47	0
4/16/20 8:45	2.452	163.7	26.2	14.35	29.47	0
4/16/20 9:00	2.06	162.1	26.84	15.31	29.45	0
4/16/20 9:15	1.738	228.3	61.15	15.91	29.45	0
4/16/20 9:30	2.83	275	21.01	15.84	29.45	0
4/16/20 9:45	3.562	324.1	31.91	16.09	29.45	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/16/20 10:00	3.532	0.921	26.28	16.51	29.43	0
4/16/20 10:15	3.953	334	21.51	16.58	29.43	0
4/16/20 10:30	6.694	286.7	29.91	17.21	29.43	0
4/16/20 10:45	5.151	34.69	41.84	17.49	29.43	0
4/16/20 11:00	5.493	67.26	47.6	17.45	29.44	0
4/16/20 11:15	5.748	5.859	26.64	17.78	29.44	0
4/16/20 11:30	6.544	347.9	50.05	18.57	29.44	0
4/16/20 11:45	4.256	24.22	87.6	18.58	29.44	0
4/16/20 12:00	4.467	320.4	38.42	18.49	29.42	0
4/16/20 12:15	6.415	333.9	25.03	18.69	29.42	0
4/16/20 12:30	10.44	324.9	13.15	18.73	29.42	0
4/16/20 12:45	10.18	311.9	16.66	18.64	29.42	0
4/16/20 13:00	9.01	335	23.38	19.06	29.41	0
4/16/20 13:15	10.18	328.3	22.5	19.2	29.41	0
4/16/20 13:30	10.06	324.9	19.83	19.65	29.41	0
4/16/20 13:45	8.94	299.6	16.48	19.32	29.41	0
4/16/20 14:00	8.16	302.1	30.07	19.62	29.38	0
4/16/20 14:15	11.85	304.2	16.41	19.24	29.38	0
4/16/20 14:30	11.22	294.5	39.39	19.81	29.38	0
4/16/20 14:45	9.38	328.7	33.95	19.58	29.38	0
4/16/20 15:00	9.6	329.7	28.92	20	29.35	0
4/16/20 15:15	10.01	318	18.27	20.03	29.35	0
4/16/20 15:30	12.82	318.6	22.11	19.61	29.35	0
4/16/20 15:45	11.42	322.1	17.19	19.33	29.35	0
4/16/20 16:00	13.19	319.7	12.58	19.46	29.33	0
4/16/20 16:15	12.45	330.6	15.91	19.09	29.33	0
4/16/20 16:30	11.62	338	11.94	19.04	29.33	0
4/16/20 16:45	11.55	338.5	18.19	18.86	29.33	0
4/16/20 17:00	9.71	359.4	19.33	19.11	29.33	0
4/16/20 17:15	13	359.7	15.77	18.35	29.33	0
4/16/20 17:30	11.07	353	15.9	18.11	29.33	0
4/16/20 17:45	9.64	356.5	17.44	17.99	29.33	0
4/16/20 18:00	11.92	351.2	14.94	17.76	29.31	0
4/16/20 18:15	8.45	358.5	17.72	17.58	29.31	0
4/16/20 18:30	6.413	339.4	12.29	17.19	29.31	0
4/16/20 18:45	7.197	323.6	10.06	16.78	29.31	0
4/16/20 19:00	8.03	323.8	9.56	16.24	29.31	0
4/16/20 19:15	7.615	348.3	15.44	16.15	29.31	0
4/16/20 19:30	5.597	333.3	19.8	16.24	29.31	0
4/16/20 19:45	2.188	335.8	8.93	15.72	29.31	0
4/16/20 20:00	1.396	43.77	4.34	15.41	29.31	0
4/16/20 20:15	3.366	30.68	5.156	15.01	29.31	0
4/16/20 20:30	2.798	25.11	2.405	14.79	29.31	0
4/16/20 20:45	2.013	16.03	25.75	14.68	29.31	0
4/16/20 21:00	1.28	41.12	10.77	14.09	29.31	0
4/16/20 21:15	2.189	55.39	12.92	13.86	29.31	0
4/16/20 21:30	4.68	52.09	8.5	12.86	29.31	0
4/16/20 21:45	3.498	59.49	10.77	12.79	29.31	0
4/16/20 22:00	3.4	57.93	10.77	12.6	29.3	0
4/16/20 22:15	3.145	150.4	61.31	12.65	29.3	0
4/16/20 22:30	4.16	183.3	23.35	12.34	29.3	0
4/16/20 22:45	4.891	141.1	2.885	11.73	29.3	0
4/16/20 23:00	4.314	161.5	14.1	11.25	29.28	0
4/16/20 23:15	4.044	183.7	9.39	11.18	29.28	0
4/16/20 23:30	5.161	181	11.98	10.04	29.28	0
4/16/20 23:45	3.997	168.4	6.506	10.02	29.28	0
4/17/20 0:00	3.483	152.5	8.12	10.61	29.28	0
4/17/20 0:15	0.906	142.1	17.49	10.45	29.28	0
4/17/20 0:30	0	0	0	9.96	29.28	0
4/17/20 0:45	0.173	52.64	1.196	10	29.28	0
4/17/20 1:00	1.614	17.37	32.18	9.64	29.27	0
4/17/20 1:15	2.211	45.83	4.308	9.69	29.27	0
4/17/20 1:30	1.412	50.3	2.448	8.9	29.27	0
4/17/20 1:45	2.224	30.12	7.651	8.47	29.27	0
4/17/20 2:00	1.718	46.22	8.48	9.02	29.25	0
4/17/20 2:15	1.177	103.1	50.91	8.59	29.25	0
4/17/20 2:30	3.753	175.6	10.63	8.81	29.25	0
4/17/20 2:45	2.265	137	19.19	8.99	29.25	0
4/17/20 3:00	1.53	118.6	4.07	8.87	29.24	0
4/17/20 3:15	3.52	151.3	10.79	8.79	29.24	0
4/17/20 3:30	4.328	182.8	8.05	8.69	29.24	0
4/17/20 3:45	5.266	176.3	7.731	8.15	29.24	0
4/17/20 4:00	4.856	171.8	7.154	8.19	29.25	0
4/17/20 4:15	5.524	185.9	7.875	7.623	29.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/17/20 4:30	6.43	185.1	6.52	7.524	29.25	0
4/17/20 4:45	5.993	166.8	10.86	7.74	29.25	0
4/17/20 5:00	5.04	149.5	8.24	7.809	29.22	0
4/17/20 5:15	3.565	137.9	6.834	7.73	29.22	0
4/17/20 5:30	5.255	150.8	4.32	8.18	29.22	0
4/17/20 5:45	5.086	152.5	3.77	8.27	29.22	0
4/17/20 6:00	4.95	154.4	3.055	8.32	29.22	0
4/17/20 6:15	4.241	158.1	4.966	8.35	29.22	0
4/17/20 6:30	4.554	154.1	7.087	8.71	29.22	0
4/17/20 6:45	4.038	150.1	7.481	9.22	29.22	0
4/17/20 7:00	3.543	147.2	8.33	10	29.2	0
4/17/20 7:15	3.828	144.5	8.73	10.63	29.2	0
4/17/20 7:30	3.964	154.9	14.12	11.07	29.2	0
4/17/20 7:45	3.492	158.2	13.98	12.08	29.2	0
4/17/20 8:00	1.417	137.9	26.76	13.25	29.2	0
4/17/20 8:15	1.038	219.1	22.74	14.07	29.2	0
4/17/20 8:30	0.886	239.6	24.95	14.28	29.2	0
4/17/20 8:45	1.56	260.7	40.57	14.77	29.2	0
4/17/20 9:00	0.904	250.5	32.32	14.88	29.17	0
4/17/20 9:15	1.88	318.8	48.17	15.24	29.17	0
4/17/20 9:30	1.408	210.3	47.34	16.12	29.17	0
4/17/20 9:45	2.944	213.2	31.76	16.02	29.17	0
4/17/20 10:00	1.625	293.3	32.48	16.92	29.17	0
4/17/20 10:15	1.965	230.5	43	17.21	29.17	0
4/17/20 10:30	2.057	226.4	35.75	17.53	29.17	0
4/17/20 10:45	2.962	291.8	37.94	17.76	29.17	0
4/17/20 11:00	3.163	254.4	37.79	18.17	29.13	0
4/17/20 11:15	5.402	285.9	22.84	18.76	29.13	0
4/17/20 11:30	8.73	284.6	15.88	18.67	29.13	0
4/17/20 11:45	7.879	272.2	12.52	18.83	29.13	0
4/17/20 12:00	8.34	289.6	20.45	19.03	29.12	0
4/17/20 12:15	8.79	305.7	16.29	19.04	29.12	0
4/17/20 12:30	9.3	300.6	13.27	19.32	29.12	0
4/17/20 12:45	7.382	299.3	21.13	19.38	29.12	0
4/17/20 13:00	7.97	298.3	19.84	19.94	29.11	0
4/17/20 13:15	8.64	291.5	15.83	20.24	29.11	0
4/17/20 13:30	8.68	298.6	22.75	20.24	29.11	0
4/17/20 13:45	8.08	305.6	16.03	19.98	29.11	0
4/17/20 14:00	7.158	298.8	34.76	19.79	29.08	0
4/17/20 14:15	9.14	279.8	21.92	20.01	29.08	0
4/17/20 14:30	8.23	268.2	17.13	20.15	29.08	0
4/17/20 14:45	8.09	293	19.65	19.69	29.08	0
4/17/20 15:00	6.77	314.1	21.79	19.81	29.06	0
4/17/20 15:15	5.605	262.7	20.66	20.12	29.06	0
4/17/20 15:30	6.328	307.6	18.59	20.15	29.06	0
4/17/20 15:45	6.406	273.9	28.12	19.59	29.06	0
4/17/20 16:00	5.989	297.1	18.94	19.52	29.06	0
4/17/20 16:15	7.464	318.6	16.23	19.23	29.06	0
4/17/20 16:30	6.626	315.5	16.03	18.88	29.06	0
4/17/20 16:45	6.474	308	9.36	18.47	29.06	0
4/17/20 17:00	6.901	328.6	9.03	18.42	29.05	0
4/17/20 17:15	5.808	350.5	25.26	18.38	29.05	0
4/17/20 17:30	7.174	29.39	12.95	17.94	29.05	0
4/17/20 17:45	8.04	33.52	12.03	17.47	29.05	0
4/17/20 18:00	7.996	19.1	12.15	17.27	29	0
4/17/20 18:15	8.69	21.71	11.92	17.14	29	0
4/17/20 18:30	8.41	21.75	11.5	16.96	29	0
4/17/20 18:45	8.28	24.47	10.55	16.73	29	0
4/17/20 19:00	8.86	23.62	10.48	16.39	28.99	0
4/17/20 19:15	7.676	28.6	9.96	16.31	28.99	0
4/17/20 19:30	7.989	44.22	9.32	16.12	28.99	0
4/17/20 19:45	7.783	36.36	8.89	15.93	28.99	0
4/17/20 20:00	5.93	34.67	10.61	15.87	29	0
4/17/20 20:15	5.99	26.86	14.34	15.72	29	0
4/17/20 20:30	5.274	23.88	11.97	15.19	29	0
4/17/20 20:45	4.741	23.08	11.09	15.19	29	0
4/17/20 21:00	6.805	29.2	9.51	15.02	28.99	0
4/17/20 21:15	9.55	23.18	10.45	15.03	28.99	0
4/17/20 21:30	9.01	28.88	8.2	14.56	28.99	0
4/17/20 21:45	5.914	8.8	19.19	14.23	28.99	0
4/17/20 22:00	6.18	35.15	10.59	14.11	29	0
4/17/20 22:15	8.12	40.76	6.771	13.43	29	0
4/17/20 22:30	9.11	40.64	8.97	12.97	29	0
4/17/20 22:45	6.815	47.44	8.86	12.87	29	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/17/20 23:00	6.496	46.9	10.37	12.6	28.99	0
4/17/20 23:15	6.491	43.21	8.17	12.56	28.99	0
4/17/20 23:30	4.906	41.66	7.613	12.23	28.99	0
4/17/20 23:45	3.812	40.26	11.12	12.09	28.99	0
4/18/20 0:00	3.934	89.1	20.11	12.15	29	0
4/18/20 0:15	5.92	142.2	11.14	12.56	29	0
4/18/20 0:30	5.066	228.5	48.52	12.52	29	0
4/18/20 0:45	1.493	145.3	79.88	12.16	29	0
4/18/20 1:00	3.118	54.58	18.78	11.43	29.03	0
4/18/20 1:15	2.663	99.2	32.07	11.71	29.03	0
4/18/20 1:30	2.573	84.3	38.48	11.57	29.03	0
4/18/20 1:45	1.953	113.1	16.09	11.57	29.03	0
4/18/20 2:00	2.595	107.5	7.372	11.34	29.02	0
4/18/20 2:15	2.819	122.2	8.85	10.9	29.02	0
4/18/20 2:30	1.474	131.2	17.63	10.87	29.02	0
4/18/20 2:45	2.018	167.1	75.9	11.02	29.02	0
4/18/20 3:00	6.775	209.9	6.355	10.77	29.02	0
4/18/20 3:15	6.043	229.4	9.05	10.16	29.02	0
4/18/20 3:30	5.803	214	9.69	10.13	29.02	0
4/18/20 3:45	3.507	196.4	9.3	9.54	29.02	0
4/18/20 4:00	2.983	183.6	15.1	9.32	29.05	0
4/18/20 4:15	3.658	162	6.208	9.28	29.05	0
4/18/20 4:30	3.931	196.4	13.51	9.18	29.05	0
4/18/20 4:45	4.224	193.3	12.38	9.1	29.05	0
4/18/20 5:00	3.857	192.9	13.44	8.95	29.06	0
4/18/20 5:15	5.539	203.1	5.426	8.89	29.06	0
4/18/20 5:30	5.57	202.1	4.711	8.53	29.06	0
4/18/20 5:45	6.051	201.3	4.411	8.27	29.06	0
4/18/20 6:00	5.992	205.4	4.266	8.36	29.08	0
4/18/20 6:15	5.601	202.6	5.795	8.45	29.08	0
4/18/20 6:30	5.701	204.5	8.9	8.47	29.08	0
4/18/20 6:45	5.096	190.3	9.06	8.57	29.08	0
4/18/20 7:00	6.204	183.7	17.43	8.81	29.1	0
4/18/20 7:15	7.229	183.4	12.79	8.96	29.1	0
4/18/20 7:30	7.305	188.4	13.88	9	29.1	0
4/18/20 7:45	6.568	203.9	15.14	9.06	29.1	0
4/18/20 8:00	6.568	211.5	8.3	8.96	29.12	0.01
4/18/20 8:15	5.669	207.2	7.067	8.87	29.12	0.01
4/18/20 8:30	7.369	196.9	7.21	8.84	29.12	0
4/18/20 8:45	7.657	197.5	7.196	8.7	29.12	0.01
4/18/20 9:00	6.857	202.7	6.992	8.74	29.15	0.01
4/18/20 9:15	5.627	202.3	8.04	8.88	29.15	0
4/18/20 9:30	3.982	192.6	17.37	9.36	29.15	0
4/18/20 9:45	2.906	139.3	21.59	9.82	29.15	0
4/18/20 10:00	3.862	172.5	29.95	9.83	29.16	0
4/18/20 10:15	7.775	199.8	9.72	9.7	29.16	0
4/18/20 10:30	6.724	195.7	7.461	9.55	29.16	0
4/18/20 10:45	5.995	198.6	13.77	9.6	29.16	0
4/18/20 11:00	5.889	208.8	9.5	9.5	29.16	0
4/18/20 11:15	5.649	181.7	17.69	9.47	29.16	0
4/18/20 11:30	6.794	201.1	7.858	9.62	29.16	0
4/18/20 11:45	6.523	195.9	15.69	10.02	29.16	0
4/18/20 12:00	8.11	189.6	9.67	10.58	29.16	0
4/18/20 12:15	6.741	192	17.06	11.09	29.16	0
4/18/20 12:30	4.998	200.2	19.48	10.95	29.16	0
4/18/20 12:45	6.828	185.4	12.25	10.89	29.16	0
4/18/20 13:00	5.195	197.7	13.51	10.85	29.16	0
4/18/20 13:15	5.84	218	14.41	10.99	29.16	0
4/18/20 13:30	6.932	211.2	11.02	11.33	29.16	0
4/18/20 13:45	5.498	247.7	24.88	11.28	29.16	0
4/18/20 14:00	5.329	281.3	12.11	10.78	29.18	0
4/18/20 14:15	5.237	259.5	8.78	10.72	29.18	0
4/18/20 14:30	2.661	305.4	30.89	10.73	29.18	0
4/18/20 14:45	1.758	334.9	17.2	11.09	29.18	0
4/18/20 15:00	0.561	32.22	14.31	11.54	29.16	0
4/18/20 15:15	2.108	67.93	28.31	11.53	29.16	0
4/18/20 15:30	3.283	83.1	17.34	11.15	29.16	0
4/18/20 15:45	2.651	89.7	14.99	11.47	29.16	0
4/18/20 16:00	2.839	121.1	18.5	11.76	29.18	0
4/18/20 16:15	4.453	99.3	12.78	11.63	29.18	0
4/18/20 16:30	3.291	72.47	18.71	11.78	29.18	0
4/18/20 16:45	2.33	87	20.24	11.96	29.18	0
4/18/20 17:00	1.733	97	21.47	11.94	29.19	0
4/18/20 17:15	2.137	107.1	12.56	11.96	29.19	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/18/20 17:30	3.382	126.7	11.33	12.12	29.19	0
4/18/20 17:45	5.005	151.3	16.79	12.37	29.19	0
4/18/20 18:00	4.535	166.1	11.55	12.46	29.19	0
4/18/20 18:15	3.229	147.8	15	11.93	29.19	0
4/18/20 18:30	4.363	150.5	6.884	11.8	29.19	0
4/18/20 18:45	4.546	148.6	10.56	11.41	29.19	0
4/18/20 19:00	4.826	154.8	8.53	11.25	29.17	0
4/18/20 19:15	5.39	171.9	7.56	11.29	29.17	0
4/18/20 19:30	4.784	180.9	15.24	11.32	29.17	0
4/18/20 19:45	6.034	166.4	6.72	11.18	29.17	0
4/18/20 20:00	4.207	144.7	8.08	11.01	29.2	0
4/18/20 20:15	2.559	148.2	7.982	11.01	29.2	0
4/18/20 20:30	3.45	166	15.38	10.93	29.2	0
4/18/20 20:45	3.883	188	8.94	10.97	29.2	0
4/18/20 21:00	4.237	157.8	11.98	10.86	29.19	0
4/18/20 21:15	2.703	183.8	22.7	10.82	29.19	0
4/18/20 21:30	1.368	212.3	4.609	10.85	29.19	0
4/18/20 21:45	0.124	97.8	13.62	10.71	29.19	0
4/18/20 22:00	1.553	172.4	24.87	10.67	29.22	0
4/18/20 22:15	1.741	156.1	19.3	10.61	29.22	0
4/18/20 22:30	1.604	158.1	32.05	10.53	29.22	0
4/18/20 22:45	4.565	237.5	14.27	10.59	29.22	0
4/18/20 23:00	5.55	237.8	11.96	10.57	29.23	0
4/18/20 23:15	5.588	248.2	11.96	10.3	29.23	0
4/18/20 23:30	4.876	268.8	9.12	10.07	29.23	0
4/18/20 23:45	3.623	287.2	14.22	9.8	29.23	0
4/19/20 0:00	3.492	316.4	8.13	9.54	29.23	0
4/19/20 0:15	2.999	316.6	5.182	9.32	29.23	0
4/19/20 0:30	2.009	327.7	6.393	9.3	29.23	0
4/19/20 0:45	1.708	324.2	13.89	9.31	29.23	0
4/19/20 1:00	1.065	329	23.31	9.33	29.23	0
4/19/20 1:15	2.039	309.5	14.11	9.32	29.23	0
4/19/20 1:30	2.52	271.2	30.13	9.38	29.23	0
4/19/20 1:45	3.242	227.8	16.91	9.44	29.23	0
4/19/20 2:00	4.78	226.8	19.21	9.2	29.23	0
4/19/20 2:15	4.521	246.8	14.37	9.1	29.23	0
4/19/20 2:30	3.735	224.6	9.83	9.03	29.23	0
4/19/20 2:45	2.476	238.8	17.62	8.98	29.23	0
4/19/20 3:00	3.398	227.2	9.11	8.92	29.24	0
4/19/20 3:15	4.643	204.3	6.851	8.84	29.24	0
4/19/20 3:30	4.356	219.2	17.1	8.66	29.24	0
4/19/20 3:45	4.003	184.7	15.41	8.56	29.24	0
4/19/20 4:00	3.734	170.4	9.96	8.12	29.26	0
4/19/20 4:15	2.907	183	14.54	8.06	29.26	0
4/19/20 4:30	2.301	146.8	17.21	7.897	29.26	0
4/19/20 4:45	2.275	134.4	19.2	7.857	29.26	0
4/19/20 5:00	1.859	151.6	15.05	7.7	29.29	0
4/19/20 5:15	2.058	170.4	4.557	7.7	29.29	0
4/19/20 5:30	3.408	150.3	13.57	7.641	29.29	0
4/19/20 5:45	3.518	140	7.651	7.69	29.29	0
4/19/20 6:00	3.143	142.2	8.32	7.778	29.3	0
4/19/20 6:15	3.4	151.1	9.49	7.867	29.3	0
4/19/20 6:30	3.445	139.9	9.5	8.01	29.3	0
4/19/20 6:45	3.067	134	11.52	8.13	29.3	0
4/19/20 7:00	2.827	160	17.39	8.22	29.29	0
4/19/20 7:15	2.885	155.1	10.94	8.32	29.29	0
4/19/20 7:30	3.403	166.7	18.11	8.45	29.29	0
4/19/20 7:45	3.791	160.1	12.74	8.49	29.29	0
4/19/20 8:00	3.855	187.5	21.8	8.62	29.3	0
4/19/20 8:15	4.865	168.9	21.88	8.63	29.3	0
4/19/20 8:30	3.875	155.2	17.18	9.47	29.3	0
4/19/20 8:45	3.019	140.3	26.34	9.51	29.3	0
4/19/20 9:00	3.386	192.6	37.87	9.62	29.31	0
4/19/20 9:15	4.02	229	22.52	9.84	29.31	0
4/19/20 9:30	2.721	203.3	23.33	10.36	29.31	0
4/19/20 9:45	3.291	189.3	58.07	10.33	29.31	0
4/19/20 10:00	2.24	130.3	36.17	11.28	29.31	0
4/19/20 10:15	3.327	139.5	20.44	11.11	29.31	0
4/19/20 10:30	4.614	114.1	25.16	11.91	29.31	0
4/19/20 10:45	4.835	121.7	36.56	12.31	29.31	0
4/19/20 11:00	5.414	125.6	26.92	12.29	29.31	0
4/19/20 11:15	2.105	351.4	48.82	12.32	29.31	0
4/19/20 11:30	3.73	340.7	18.63	12.32	29.31	0
4/19/20 11:45	2.207	313.1	35.84	12.53	29.31	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/19/20 12:00	2.175	276.5	19.16	12.65	29.28	0
4/19/20 12:15	3.014	283.8	14.78	13.3	29.28	0
4/19/20 12:30	1.884	288.2	52.74	13.98	29.28	0
4/19/20 12:45	2.713	278.8	22.3	15.19	29.28	0
4/19/20 13:00	5.322	309.1	39.5	15.16	29.28	0
4/19/20 13:15	3.456	316	55.61	13.86	29.28	0
4/19/20 13:30	4.339	274.2	27.01	14.54	29.28	0
4/19/20 13:45	4.974	268.7	26.03	14.77	29.28	0
4/19/20 14:00	5.11	280.9	22.02	14.66	29.28	0
4/19/20 14:15	5.029	280.6	24.93	15.52	29.28	0
4/19/20 14:30	5.101	264.2	27.67	15.24	29.28	0
4/19/20 14:45	3.181	282.5	19.58	15.04	29.28	0
4/19/20 15:00	2.051	274.9	35.31	15.24	29.26	0
4/19/20 15:15	3.493	292.4	29.2	14.98	29.26	0
4/19/20 15:30	1.594	352.2	27.24	14.62	29.26	0
4/19/20 15:45	2.336	318.7	38.03	14.72	29.26	0
4/19/20 16:00	3.495	330.5	13.97	14.61	29.25	0
4/19/20 16:15	2.862	318.4	14.36	14.65	29.25	0
4/19/20 16:30	2.267	322.9	22.18	14.92	29.25	0
4/19/20 16:45	1.884	5.38	16.97	14.96	29.25	0
4/19/20 17:00	1.497	19.48	12.23	15.06	29.24	0
4/19/20 17:15	0.851	359.4	19.64	14.95	29.24	0
4/19/20 17:30	0.569	24.13	6.775	15.31	29.24	0
4/19/20 17:45	0.636	93	15.55	15.98	29.24	0
4/19/20 18:00	0.598	12.76	3.491	16.16	29.24	0
4/19/20 18:15	1.889	26.18	7.146	14.7	29.24	0
4/19/20 18:30	1.115	35.94	3.155	14.66	29.24	0
4/19/20 18:45	0.774	345.8	16.55	15.29	29.24	0
4/19/20 19:00	0.272	33.7	2.8	15.33	29.22	0
4/19/20 19:15	0.66	35.73	0.362	14.04	29.22	0
4/19/20 19:30	1.197	28.67	2.714	13.45	29.22	0
4/19/20 19:45	3.227	27.43	10.07	12.82	29.22	0
4/19/20 20:00	4.212	25.57	7.87	12.79	29.23	0
4/19/20 20:15	3.724	14.31	12.72	13.04	29.23	0
4/19/20 20:30	3.641	38.68	9.83	12.54	29.23	0
4/19/20 20:45	3.886	49.67	14.25	12.13	29.23	0
4/19/20 21:00	5.005	52.11	8.01	11.87	29.25	0
4/19/20 21:15	6.143	50.38	5.738	11.03	29.25	0
4/19/20 21:30	6.264	50.31	10.01	10.43	29.25	0
4/19/20 21:45	7.551	45.11	6.171	10.43	29.25	0
4/19/20 22:00	8.26	43.2	4.662	9.98	29.24	0
4/19/20 22:15	7.643	38.67	7.889	9.92	29.24	0
4/19/20 22:30	6.821	49.94	8.81	9.8	29.24	0
4/19/20 22:45	7.956	40.54	8.12	9.8	29.24	0
4/19/20 23:00	8.37	37.34	7.765	9.71	29.24	0
4/19/20 23:15	8.5	39.49	7.001	9.17	29.24	0
4/19/20 23:30	7.45	39.23	7.19	8.96	29.24	0
4/19/20 23:45	8.18	41.84	6.464	9	29.24	0
4/20/20 0:00	6.619	35.87	8.6	8.77	29.25	0
4/20/20 0:15	4.72	42.39	7.611	8.69	29.25	0
4/20/20 0:30	3.093	29.41	11.27	8.4	29.25	0
4/20/20 0:45	3.581	57.46	11.95	8.26	29.25	0
4/20/20 1:00	4.617	88	8.78	7.18	29.25	0
4/20/20 1:15	3.229	107.9	14.49	7.696	29.25	0
4/20/20 1:30	2.31	102.2	15.26	8.09	29.25	0
4/20/20 1:45	1.574	78.29	1.882	7.601	29.25	0
4/20/20 2:00	1.861	89	14.12	7.611	29.25	0
4/20/20 2:15	2.077	101.4	6.432	7.838	29.25	0
4/20/20 2:30	1.699	92.5	2.175	7.819	29.25	0
4/20/20 2:45	0.085	91.3	9.21	7.781	29.25	0
4/20/20 3:00	0.124	72.85	7.296	7.614	29.24	0
4/20/20 3:15	0.773	167.1	21.36	7.753	29.24	0
4/20/20 3:30	1.165	138	14.93	7.684	29.24	0
4/20/20 3:45	1.563	123.5	11.62	7.389	29.24	0
4/20/20 4:00	2.073	147.7	12.06	7.369	29.26	0
4/20/20 4:15	2.597	156.2	5.818	7.35	29.26	0
4/20/20 4:30	3.836	173	4.747	7.252	29.26	0
4/20/20 4:45	3.037	157.1	6.488	7.291	29.26	0
4/20/20 5:00	2.201	148	3.698	7.026	29.27	0
4/20/20 5:15	1.821	125.7	14.2	6.929	29.27	0
4/20/20 5:30	2.1	103	5.626	6.86	29.27	0
4/20/20 5:45	2.228	134.1	7.853	7.203	29.27	0
4/20/20 6:00	1.399	117.9	4.462	7.203	29.27	0
4/20/20 6:15	0.577	108.8	5.993	7.203	29.27	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/20/20 6:30	0	0	0	7.448	29.27	0
4/20/20 6:45	0.382	101.6	6.502	7.674	29.27	0
4/20/20 7:00	0.612	115.9	0.747	8.13	29.26	0
4/20/20 7:15	0.89	147.6	32.52	8.53	29.26	0
4/20/20 7:30	3.206	193.7	7.303	8.61	29.26	0
4/20/20 7:45	3.322	196.9	7.656	8.67	29.26	0
4/20/20 8:00	3.987	193.9	5.734	8.9	29.29	0
4/20/20 8:15	3.13	190.5	12.23	9.36	29.29	0
4/20/20 8:30	2.508	184	15.99	9.8	29.29	0
4/20/20 8:45	2.249	194.2	16.56	10.57	29.29	0
4/20/20 9:00	2.359	149.4	32.6	11.5	29.28	0
4/20/20 9:15	3.55	165.5	35.2	11.77	29.28	0
4/20/20 9:30	3.41	221.7	26.27	12.05	29.28	0
4/20/20 9:45	3.398	234	25.58	12.72	29.28	0
4/20/20 10:00	3.924	229.1	27.03	12.82	29.28	0
4/20/20 10:15	4.215	233.9	18.38	13.41	29.28	0
4/20/20 10:30	5.414	238.3	21.26	13.93	29.28	0
4/20/20 10:45	2.549	293.1	53.23	14.04	29.28	0
4/20/20 11:00	3.517	266.1	35.46	14.76	29.31	0
4/20/20 11:15	6.109	287.7	13.86	15.26	29.31	0
4/20/20 11:30	4.346	267.7	24.68	14.26	29.31	0
4/20/20 11:45	2.675	196.6	75.55	15.72	29.31	0
4/20/20 12:00	7.084	251.5	25.14	16.31	29.3	0
4/20/20 12:15	2.862	248.2	68.65	16.11	29.3	0
4/20/20 12:30	7.331	286.5	17.69	16.28	29.3	0
4/20/20 12:45	5.941	267.6	12.98	16.72	29.3	0
4/20/20 13:00	6.655	255.4	12.16	16.41	29.27	0
4/20/20 13:15	8.07	281.4	20.8	17.23	29.27	0
4/20/20 13:30	6.707	253.5	20.2	17.39	29.27	0
4/20/20 13:45	7.756	248.2	14.68	17.58	29.27	0
4/20/20 14:00	6.408	275.8	20.46	17.72	29.28	0
4/20/20 14:15	6.79	278.3	23.56	17.47	29.28	0
4/20/20 14:30	4.669	269.6	39.87	17.52	29.28	0
4/20/20 14:45	6.259	262.3	17.88	17.35	29.28	0
4/20/20 15:00	4.903	249.1	30.46	17.85	29.27	0
4/20/20 15:15	6.199	248.2	16.45	16.93	29.27	0
4/20/20 15:30	4.082	293.5	34.68	17.85	29.27	0
4/20/20 15:45	6.975	277.1	34.89	18.28	29.27	0
4/20/20 16:00	8.49	291.4	17.5	17.81	29.27	0
4/20/20 16:15	6.83	257.4	21.17	17.85	29.27	0
4/20/20 16:30	6.228	264.2	18.7	17.83	29.27	0
4/20/20 16:45	5.154	222.8	23.43	17.81	29.27	0
4/20/20 17:00	5.865	244.9	29.29	17.13	29.27	0
4/20/20 17:15	7.351	299	10.81	17.39	29.27	0
4/20/20 17:30	7.098	268.1	11.34	17.36	29.27	0
4/20/20 17:45	6.427	267.3	8.73	16.99	29.27	0
4/20/20 18:00	6.386	244.6	11.41	16.96	29.26	0
4/20/20 18:15	6.547	233.3	8.1	16.8	29.26	0
4/20/20 18:30	4.826	239.7	7.313	16.63	29.26	0
4/20/20 18:45	3.905	241.9	6.921	16.55	29.26	0
4/20/20 19:00	6.23	261.1	8.46	16.22	29.26	0
4/20/20 19:15	6.101	266.4	4.221	15.39	29.26	0
4/20/20 19:30	7.075	271.1	5.502	15.03	29.26	0
4/20/20 19:45	7.227	274.7	5.261	14.81	29.26	0
4/20/20 20:00	5.816	279.2	5.939	14.58	29.3	0
4/20/20 20:15	4.195	307.6	33.24	14.25	29.3	0
4/20/20 20:30	2.981	0.272	21.88	13.97	29.3	0
4/20/20 20:45	2.122	53.76	17.86	13.39	29.3	0
4/20/20 21:00	1.237	66.12	46.66	13.35	29.31	0
4/20/20 21:15	0.659	138.8	60.83	13.45	29.31	0
4/20/20 21:30	1.703	62.08	16.62	13.21	29.31	0
4/20/20 21:45	3.715	60.01	11.33	12.75	29.31	0
4/20/20 22:00	1.554	55.87	10.93	11.37	29.31	0
4/20/20 22:15	1.943	32.81	23.78	11.02	29.31	0
4/20/20 22:30	1.49	358.9	14.12	10.84	29.31	0
4/20/20 22:45	1.471	96.1	25.66	11.03	29.31	0
4/20/20 23:00	2.055	145.5	22.3	10.63	29.32	0
4/20/20 23:15	3.741	188.1	21.35	10.84	29.32	0
4/20/20 23:30	6.398	233.3	11.94	10.67	29.32	0
4/20/20 23:45	5.267	238.4	9.17	10.06	29.32	0
4/21/20 0:00	3.331	293	50.1	9.84	29.35	0
4/21/20 0:15	3.26	273.8	38.42	9.68	29.35	0
4/21/20 0:30	4.227	244.2	13.9	9.62	29.35	0
4/21/20 0:45	5.034	230.7	9.99	9.6	29.35	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/21/20 1:00	4.286	230.4	13.42	9.2	29.37	0
4/21/20 1:15	6.981	224.3	12.01	9	29.37	0
4/21/20 1:30	6.687	238.3	11.79	8.59	29.37	0
4/21/20 1:45	4.446	247.2	23.68	8.43	29.37	0
4/21/20 2:00	6.029	212.3	13.06	8.41	29.37	0
4/21/20 2:15	5.838	209	11.6	8.34	29.37	0
4/21/20 2:30	8.49	209.1	7.835	8.24	29.37	0
4/21/20 2:45	7.662	205.5	11.48	8.2	29.37	0
4/21/20 3:00	8.27	205	8.85	8.12	29.37	0
4/21/20 3:15	9	199.1	9.78	8	29.37	0
4/21/20 3:30	10.06	194.9	9.81	7.857	29.37	0
4/21/20 3:45	8.13	196.2	7.949	7.552	29.37	0
4/21/20 4:00	5.899	204.3	10.53	7.621	29.39	0
4/21/20 4:15	7.591	202.4	8.88	7.563	29.39	0
4/21/20 4:30	6.875	188.4	9.51	7.513	29.39	0
4/21/20 4:45	6.399	193.8	13.05	7.573	29.39	0
4/21/20 5:00	7.375	198.5	6.886	7.573	29.41	0
4/21/20 5:15	7.387	202.1	8.75	7.338	29.41	0
4/21/20 5:30	6.999	189.7	11.63	7.123	29.41	0
4/21/20 5:45	6.325	184.4	17.7	7.145	29.41	0
4/21/20 6:00	5.962	186.1	9.59	7.125	29.41	0
4/21/20 6:15	5.877	188.7	10.86	7.224	29.41	0
4/21/20 6:30	6.446	194.4	11.15	7.108	29.41	0
4/21/20 6:45	7.014	196.6	10.75	7.01	29.41	0
4/21/20 7:00	6.341	182.2	12.34	6.97	29.45	0.01
4/21/20 7:15	6.559	186.7	16.12	7.029	29.45	0
4/21/20 7:30	8.35	194.1	8.92	7.146	29.45	0
4/21/20 7:45	8.44	185.4	9.7	7.322	29.45	0
4/21/20 8:00	7.625	191.4	11.18	7.508	29.45	0
4/21/20 8:15	7.703	185.6	11.92	7.537	29.45	0
4/21/20 8:30	8.62	168.9	7.378	7.507	29.45	0
4/21/20 8:45	6.682	164.3	9.15	7.889	29.45	0
4/21/20 9:00	6.585	168.5	12.52	8.16	29.45	0
4/21/20 9:15	8.16	160.7	11.63	8.06	29.45	0
4/21/20 9:30	8.46	166.3	11.34	8.12	29.45	0
4/21/20 9:45	7.444	169.6	14.21	8.38	29.45	0
4/21/20 10:00	6.241	157	9.54	8.26	29.46	0
4/21/20 10:15	4.015	208	22.37	8.5	29.46	0
4/21/20 10:30	3.867	212.1	14.51	8.96	29.46	0
4/21/20 10:45	4.566	203	15.1	9.32	29.46	0
4/21/20 11:00	4.926	192.7	12.99	9.25	29.48	0
4/21/20 11:15	3.686	139.5	30.7	9.52	29.48	0
4/21/20 11:30	4.327	112.2	14.65	9.03	29.48	0
4/21/20 11:45	5.18	106.3	14.37	9.24	29.48	0
4/21/20 12:00	6.044	132.5	12.45	9.21	29.45	0
4/21/20 12:15	4.932	128.3	11.16	9.32	29.45	0
4/21/20 12:30	3.776	117.4	19.33	9.71	29.45	0
4/21/20 12:45	3.666	131.8	27.71	9.82	29.45	0
4/21/20 13:00	2.928	153.4	15.53	9.88	29.46	0
4/21/20 13:15	3.552	126.2	12.39	9.96	29.46	0
4/21/20 13:30	2.158	112.8	17.69	10.04	29.46	0
4/21/20 13:45	3.112	191.4	30.19	10.2	29.46	0
4/21/20 14:00	1.467	140.3	41.72	11.18	29.46	0
4/21/20 14:15	1.124	141.1	86	11.38	29.46	0
4/21/20 14:30	1.068	312.7	30.4	11.55	29.46	0
4/21/20 14:45	1.231	84.6	85	11.6	29.46	0
4/21/20 15:00	2.867	163.4	50.32	11.14	29.48	0
4/21/20 15:15	3.491	163.1	28.15	11.29	29.48	0
4/21/20 15:30	4.248	121.2	13.48	11.53	29.48	0
4/21/20 15:45	4.021	106.3	25.42	11.4	29.48	0
4/21/20 16:00	3.374	142.2	37.19	11.51	29.45	0
4/21/20 16:15	4.241	97.2	14.46	11.58	29.45	0
4/21/20 16:30	4.515	94.6	15.1	11.53	29.45	0
4/21/20 16:45	4.516	99.5	18.53	11.61	29.45	0
4/21/20 17:00	4.461	99.5	8.59	11.44	29.43	0
4/21/20 17:15	3.673	107.6	15.72	11.46	29.43	0
4/21/20 17:30	3.925	114.3	7.638	11.46	29.43	0
4/21/20 17:45	2.826	98.1	15.37	11.5	29.43	0
4/21/20 18:00	2.326	85.6	12.38	11.5	29.44	0
4/21/20 18:15	2.721	89.3	10.52	11.41	29.44	0
4/21/20 18:30	1.979	94.5	6.875	11.38	29.44	0
4/21/20 18:45	2.772	108.9	4.341	11.31	29.44	0
4/21/20 19:00	2.528	91.4	8.92	11.2	29.42	0
4/21/20 19:15	2.41	90.3	3.513	11.14	29.42	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/21/20 19:30	0.863	78.78	8.88	11.02	29.42	0
4/21/20 19:45	0.655	288.4	26.71	11.3	29.42	0
4/21/20 20:00	3.098	248.1	27.34	11.18	29.45	0
4/21/20 20:15	2.867	226.6	15.43	11.21	29.45	0
4/21/20 20:30	4.018	235.2	16.14	11.24	29.45	0
4/21/20 20:45	5.673	274.2	8.02	11.22	29.45	0
4/21/20 21:00	4.007	280.2	14	11.07	29.45	0
4/21/20 21:15	3.409	269.3	26.27	11.01	29.45	0
4/21/20 21:30	1.212	131	23.46	10.98	29.45	0
4/21/20 21:45	1.266	147.9	20.74	10.59	29.45	0
4/21/20 22:00	2.549	206.4	14.91	10.75	29.46	0
4/21/20 22:15	3.758	223.9	11.84	10.75	29.46	0
4/21/20 22:30	3.338	206.7	20.18	10.52	29.46	0
4/21/20 22:45	1.569	123	22.44	10.39	29.46	0
4/21/20 23:00	1.615	142.9	11.97	9.91	29.46	0
4/21/20 23:15	3.813	156.7	14.63	9.91	29.46	0
4/21/20 23:30	5.755	172.1	5.702	9.82	29.46	0
4/21/20 23:45	4.28	180.3	10.16	9.77	29.46	0
4/22/20 0:00	3.768	179	7.12	9.56	29.46	0
4/22/20 0:15	2.413	164.1	16.62	9.46	29.46	0
4/22/20 0:30	3.662	137.5	8.23	9.39	29.46	0
4/22/20 0:45	3.707	135.7	6.541	9.28	29.46	0
4/22/20 1:00	3.208	139.9	15.75	9.17	29.44	0
4/22/20 1:15	2.805	162.2	11.96	9.17	29.44	0
4/22/20 1:30	2.857	161.1	8.82	9.1	29.44	0
4/22/20 1:45	1.99	164.3	20.54	9.24	29.44	0
4/22/20 2:00	3.22	230.6	8.19	9.26	29.43	0
4/22/20 2:15	3.446	234.3	5.034	9.18	29.43	0
4/22/20 2:30	3.319	223.6	2.567	9.13	29.43	0
4/22/20 2:45	3.604	225.8	9.98	9.16	29.43	0
4/22/20 3:00	3.284	254.7	7.047	9.17	29.42	0
4/22/20 3:15	1.079	169.8	62.62	9.1	29.42	0
4/22/20 3:30	2.098	123	16.67	8.67	29.42	0
4/22/20 3:45	2.106	140.7	9.86	8.48	29.42	0
4/22/20 4:00	3.284	143.2	6.929	8.48	29.39	0
4/22/20 4:15	3.884	150.5	6.313	8.42	29.39	0
4/22/20 4:30	3.35	176.8	13.74	8.73	29.39	0
4/22/20 4:45	3.098	197.9	17.02	8.95	29.39	0
4/22/20 5:00	3.944	170.6	11.34	8.74	29.37	0
4/22/20 5:15	2.56	132.3	21.16	8.39	29.37	0
4/22/20 5:30	2.65	81.4	9.44	8.21	29.37	0
4/22/20 5:45	2.364	91.6	17.05	8.3	29.37	0
4/22/20 6:00	2.56	121.3	9.09	8.53	29.33	0
4/22/20 6:15	2.644	150.6	13.98	8.82	29.33	0
4/22/20 6:30	2.438	102.4	21.81	9.05	29.33	0
4/22/20 6:45	1.903	88.2	2.394	8.94	29.33	0
4/22/20 7:00	1.509	94.6	7.664	8.79	29.3	0
4/22/20 7:15	2.07	97.9	18.14	9.14	29.3	0
4/22/20 7:30	3.505	168.6	19.99	9.96	29.3	0
4/22/20 7:45	1.787	132.9	75.63	10.41	29.3	0
4/22/20 8:00	2.21	347.1	21.03	9.87	29.29	0
4/22/20 8:15	3.391	312.4	11.34	9.98	29.29	0
4/22/20 8:30	3.774	268	20.6	10	29.29	0.01
4/22/20 8:45	4.732	222.7	9.71	9.92	29.29	0.01
4/22/20 9:00	2.935	251.9	19.13	9.76	29.31	0.02
4/22/20 9:15	1.672	226.2	93.9	9.68	29.31	0.03
4/22/20 9:30	3.767	72.34	4.267	9.07	29.31	0.02
4/22/20 9:45	2.108	57.26	10.12	9.27	29.31	0.02
4/22/20 10:00	1.747	53.34	20.2	9.46	29.27	0.02
4/22/20 10:15	1.208	119.6	32.3	9.62	29.27	0.01
4/22/20 10:30	1.077	160.5	18.2	9.77	29.27	0.02
4/22/20 10:45	1.101	136.3	8.49	9.96	29.27	0.02
4/22/20 11:00	1.974	54.64	41.57	10	29.27	0.01
4/22/20 11:15	1.389	21.65	14.34	10.12	29.27	0.01
4/22/20 11:30	1.564	45.54	16.54	10.25	29.27	0.02
4/22/20 11:45	2.066	17.41	20.71	10.12	29.27	0.01
4/22/20 12:00	2.3	27.36	20.54	10.33	29.23	0.02
4/22/20 12:15	1.547	45.36	16.93	10.23	29.23	0.01
4/22/20 12:30	0.744	62.49	6.848	10.39	29.23	0.03
4/22/20 12:45	0.674	23.18	10.16	10.18	29.23	0.04
4/22/20 13:00	2.344	81.5	13	10.35	29.23	0.02
4/22/20 13:15	3.049	100.4	13.83	10.16	29.23	0.04
4/22/20 13:30	2.809	106.1	14.42	10.43	29.23	0.02
4/22/20 13:45	3.71	159.8	24.18	10.63	29.23	0.01

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/22/20 14:00	4.386	193.5	19.5	10.67	29.23	0.01
4/22/20 14:15	4.262	175	14.78	10.71	29.23	0.03
4/22/20 14:30	5.042	184.1	15.64	10.93	29.23	0.01
4/22/20 14:45	5.522	176.4	20.21	10.99	29.23	0
4/22/20 15:00	4.968	149.7	18.52	10.79	29.2	0
4/22/20 15:15	5.613	145.8	10.52	10.67	29.2	0.01
4/22/20 15:30	6.983	154	12	10.73	29.2	0.01
4/22/20 15:45	7.735	173.9	14.44	10.79	29.2	0.01
4/22/20 16:00	7.527	190.3	10.76	10.83	29.22	0.03
4/22/20 16:15	5.578	208.5	8.43	10.9	29.22	0.04
4/22/20 16:30	5.552	204.1	10.02	10.89	29.22	0.03
4/22/20 16:45	8.71	200.4	10.04	11.01	29.22	0
4/22/20 17:00	12.07	215.1	8.77	11.28	29.21	0.01
4/22/20 17:15	11.51	223.9	7.849	11.32	29.21	0
4/22/20 17:30	9.44	220	9.15	11.36	29.21	0
4/22/20 17:45	8.26	206.3	12.37	11.27	29.21	0
4/22/20 18:00	8.03	246.1	14.94	11.09	29.2	0.02
4/22/20 18:15	9.31	237.6	8.94	10.95	29.2	0
4/22/20 18:30	8.9	236.1	11.09	10.9	29.2	0
4/22/20 18:45	8.64	235.7	9.53	10.95	29.2	0.01
4/22/20 19:00	7.522	243	11.48	10.87	29.22	0.01
4/22/20 19:15	10.12	230.1	10.85	10.93	29.22	0
4/22/20 19:30	12.71	244.4	8.13	10.77	29.22	0.01
4/22/20 19:45	11.67	250.2	8.69	10.7	29.22	0
4/22/20 20:00	11.02	242.1	11.89	10.71	29.22	0
4/22/20 20:15	12.49	236.4	8.05	10.61	29.22	0
4/22/20 20:30	9.67	240.7	8.65	10.61	29.22	0
4/22/20 20:45	9.39	232.1	9.01	10.55	29.22	0
4/22/20 21:00	10.65	223.7	8.89	10.45	29.23	0.01
4/22/20 21:15	10.77	222.1	7.691	10.4	29.23	0
4/22/20 21:30	11.11	225.3	7.539	10.31	29.23	0
4/22/20 21:45	8.91	217.1	9.56	10.16	29.23	0
4/22/20 22:00	9.07	225.8	8.65	10.1	29.27	0
4/22/20 22:15	9.9	230.2	10.02	10.04	29.27	0
4/22/20 22:30	9.84	227.4	9.64	10.04	29.27	0
4/22/20 22:45	9.96	236.1	10.91	10.01	29.27	0
4/22/20 23:00	10.52	234.2	9.97	9.96	29.3	0
4/22/20 23:15	10.49	232.8	8.59	9.91	29.3	0.01
4/22/20 23:30	10.27	227.1	10.83	9.76	29.3	0.02
4/22/20 23:45	14.67	227	8.86	9.94	29.3	0
4/23/20 0:00	11.76	228.2	10.88	9.84	29.31	0.01
4/23/20 0:15	11.05	229	7.416	9.8	29.31	0.01
4/23/20 0:30	10.21	238.1	11.94	9.6	29.31	0.02
4/23/20 0:45	11.28	243.1	10.2	9.6	29.31	0
4/23/20 1:00	13.82	248.8	8.51	9.48	29.32	0.01
4/23/20 1:15	14.65	250.7	10.46	9.32	29.32	0
4/23/20 1:30	14.22	256.5	8.66	9.2	29.32	0
4/23/20 1:45	13.63	255.4	10.04	9.06	29.32	0
4/23/20 2:00	12.66	256	9.53	8.96	29.33	0.01
4/23/20 2:15	13.84	251.3	11.05	8.81	29.33	0.01
4/23/20 2:30	12.34	251.9	8.72	8.73	29.33	0.01
4/23/20 2:45	11.44	243.5	9.95	8.65	29.33	0.01
4/23/20 3:00	11.77	246.2	10.37	8.63	29.35	0.01
4/23/20 3:15	10.8	251.4	9.3	8.56	29.35	0.01
4/23/20 3:30	8.56	241.9	9.32	8.51	29.35	0.01
4/23/20 3:45	8.13	241.9	12.4	8.48	29.35	0.02
4/23/20 4:00	11.82	248.1	7.959	8.42	29.37	0.01
4/23/20 4:15	10.18	263.2	9.57	8.36	29.37	0.03
4/23/20 4:30	9.18	275.9	8.23	8.27	29.37	0.02
4/23/20 4:45	6.461	273.1	10.01	8.29	29.37	0.02
4/23/20 5:00	6.539	262.1	11.96	8.29	29.4	0.02
4/23/20 5:15	5.234	209.2	14.05	8.29	29.4	0
4/23/20 5:30	5.196	205.8	10.5	8.02	29.4	0.01
4/23/20 5:45	5.727	200.5	8.31	7.847	29.4	0.02
4/23/20 6:00	5.215	183.2	10.3	7.719	29.41	0
4/23/20 6:15	4.282	170.9	19.85	7.71	29.41	0
4/23/20 6:30	3.2	171.9	17.44	7.719	29.41	0.01
4/23/20 6:45	4.37	154.4	8.23	7.71	29.41	0
4/23/20 7:00	5.338	154.1	9.11	7.729	29.42	0.01
4/23/20 7:15	6.283	155.3	7.909	7.719	29.42	0
4/23/20 7:30	6.314	161.4	13.44	7.808	29.42	0
4/23/20 7:45	5.66	167.7	12.67	7.857	29.42	0
4/23/20 8:00	5.39	183.3	11.1	7.975	29.45	0
4/23/20 8:15	5.65	185	9.37	8.1	29.45	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/23/20 8:30	5.899	187.2	10.38	8.07	29.45	0
4/23/20 8:45	4.773	195.5	15.3	8.03	29.45	0
4/23/20 9:00	4.296	192.2	8.52	8.1	29.48	0
4/23/20 9:15	4.733	185.5	8.1	8.23	29.48	0
4/23/20 9:30	4.2	171	16.57	8.43	29.48	0
4/23/20 9:45	4.697	157.3	12.79	8.5	29.48	0
4/23/20 10:00	5.428	153.7	11.51	8.74	29.49	0
4/23/20 10:15	4.857	161.3	18.51	8.81	29.49	0
4/23/20 10:30	4.52	159.1	16.31	8.92	29.49	0
4/23/20 10:45	5.109	156.8	11.1	9.19	29.49	0
4/23/20 11:00	3.684	153.1	24.48	9.49	29.49	0
4/23/20 11:15	4.024	175.1	22.74	10.11	29.49	0
4/23/20 11:30	3.181	164.3	20.66	10.92	29.49	0
4/23/20 11:45	3.676	158.8	22.3	10.6	29.49	0
4/23/20 12:00	3.412	162.3	34.58	11.07	29.46	0
4/23/20 12:15	6.004	178.5	27.88	10.93	29.46	0
4/23/20 12:30	7.051	196.9	11.86	11.34	29.46	0
4/23/20 12:45	8.85	190.7	7.498	11.37	29.46	0
4/23/20 13:00	6.718	180.3	19.87	11.48	29.48	0
4/23/20 13:15	6.221	200	16.47	11.63	29.48	0
4/23/20 13:30	6.673	176.5	13.26	11.63	29.48	0
4/23/20 13:45	5.636	134	17.82	11.72	29.48	0
4/23/20 14:00	6.28	111.1	13.51	11.17	29.46	0
4/23/20 14:15	4.112	125.4	13.69	11.22	29.46	0
4/23/20 14:30	5.276	120.8	15.22	11.7	29.46	0
4/23/20 14:45	5.458	106.6	13.44	12.23	29.46	0
4/23/20 15:00	4.782	113.6	15.93	11.82	29.44	0
4/23/20 15:15	5.141	127.2	19.22	12.48	29.44	0
4/23/20 15:30	5.758	111.8	15	12.56	29.44	0
4/23/20 15:45	5.071	141.6	13.46	12.35	29.44	0
4/23/20 16:00	5.357	135.2	13.76	12.35	29.43	0
4/23/20 16:15	5.613	123.5	13.11	12.24	29.43	0
4/23/20 16:30	5.568	119.7	12.27	12.29	29.43	0
4/23/20 16:45	4.647	108.4	15.56	12.15	29.43	0
4/23/20 17:00	4.21	108.2	13.66	12.08	29.42	0
4/23/20 17:15	4.424	116.2	11.51	12.11	29.42	0
4/23/20 17:30	3.566	131.3	13.85	12.08	29.42	0
4/23/20 17:45	3.039	128.9	11.72	12.14	29.42	0
4/23/20 18:00	2.939	130.7	13.66	12.05	29.42	0
4/23/20 18:15	3.56	179.2	36.65	12.19	29.42	0
4/23/20 18:30	2.677	179.2	26.1	12.07	29.42	0
4/23/20 18:45	5.449	251.5	14.55	12.11	29.42	0
4/23/20 19:00	4.778	273	10.67	11.96	29.44	0
4/23/20 19:15	5.691	264.5	8.07	11.75	29.44	0
4/23/20 19:30	5.327	258.7	10.93	11.59	29.44	0
4/23/20 19:45	6.832	253.9	6.862	11.45	29.44	0
4/23/20 20:00	8.58	250.8	7.384	11.19	29.44	0
4/23/20 20:15	9.83	245.7	9.7	10.84	29.44	0
4/23/20 20:30	9.17	239.5	9.38	10.59	29.44	0
4/23/20 20:45	6.522	240.4	9.75	10.39	29.44	0
4/23/20 21:00	3.683	227.8	20.3	10.2	29.46	0
4/23/20 21:15	4.817	208.3	6.784	9.91	29.46	0
4/23/20 21:30	4.424	208.2	11.16	9.75	29.46	0
4/23/20 21:45	3.137	228.2	9.22	9.78	29.46	0
4/23/20 22:00	3.674	206.7	8.22	9.76	29.45	0
4/23/20 22:15	3.346	187.5	15.24	9.68	29.45	0
4/23/20 22:30	2.286	177	11.35	9.44	29.45	0
4/23/20 22:45	1.864	195.5	9.7	9.44	29.45	0
4/23/20 23:00	0.398	135.5	44.96	9.36	29.42	0
4/23/20 23:15	1.403	128.4	18.93	9.2	29.42	0
4/23/20 23:30	1.491	110	7.895	9.11	29.42	0
4/23/20 23:45	1.459	141	30.48	9.12	29.42	0
4/24/20 0:00	2.777	184.2	9.1	9.25	29.43	0
4/24/20 0:15	1.587	145.3	17.08	9.25	29.43	0
4/24/20 0:30	0.537	124.8	1.884	9.13	29.43	0
4/24/20 0:45	0.837	161.6	14.4	9.06	29.43	0
4/24/20 1:00	2.487	196.1	10.05	9	29.43	0
4/24/20 1:15	3.184	196.4	11	8.81	29.43	0
4/24/20 1:30	2.091	143.1	42.58	8.6	29.43	0
4/24/20 1:45	2.08	197.8	15.43	8.68	29.43	0
4/24/20 2:00	1.494	122.4	34.3	8.62	29.43	0
4/24/20 2:15	2.696	102.3	6.498	8.01	29.43	0
4/24/20 2:30	3.952	101.8	6.13	8.06	29.43	0
4/24/20 2:45	3.963	120.8	7.172	8.4	29.43	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/24/20 3:00	3.656	124.5	4.714	8.68	29.4	0
4/24/20 3:15	1.958	112.8	21.35	8.52	29.4	0
4/24/20 3:30	1.739	64.2	15.08	7.985	29.4	0
4/24/20 3:45	2.26	34.46	8.85	8.1	29.4	0
4/24/20 4:00	2.872	35.28	5.455	8.07	29.38	0
4/24/20 4:15	2.895	28.29	11.47	7.711	29.38	0
4/24/20 4:30	3.172	10.91	7.541	7.505	29.38	0
4/24/20 4:45	2.823	29	11.96	7.535	29.38	0
4/24/20 5:00	1.086	47.14	2.054	7.417	29.39	0
4/24/20 5:15	1.714	33.71	9.67	7.478	29.39	0
4/24/20 5:30	0.99	22.13	2.367	7.577	29.39	0
4/24/20 5:45	0.615	358.9	6.752	7.754	29.39	0
4/24/20 6:00	3.224	295.3	9.25	7.912	29.39	0
4/24/20 6:15	3.879	297.8	7.75	8.28	29.39	0
4/24/20 6:30	3.472	289.1	10.24	8.55	29.39	0
4/24/20 6:45	3.777	262	23.79	8.68	29.39	0
4/24/20 7:00	3.836	222.6	12.52	8.53	29.4	0
4/24/20 7:15	3.361	152.9	21.71	8.46	29.4	0
4/24/20 7:30	4.336	106.3	12.43	8.81	29.4	0
4/24/20 7:45	4.497	143.5	15.43	9.47	29.4	0
4/24/20 8:00	4.015	138.8	16.43	10.52	29.38	0
4/24/20 8:15	4.016	165.5	20.39	10.8	29.38	0.01
4/24/20 8:30	3.409	220.5	17.26	10.89	29.38	0
4/24/20 8:45	1.881	209.8	21.56	11.09	29.38	0
4/24/20 9:00	1.414	196.7	32.91	11.38	29.37	0
4/24/20 9:15	1.794	77.15	74.01	11.83	29.37	0
4/24/20 9:30	2.04	49.92	32.65	13.39	29.37	0
4/24/20 9:45	2.129	136.1	45.17	13.81	29.37	0
4/24/20 10:00	2.82	248.2	40.67	14.18	29.36	0
4/24/20 10:15	4.95	225.8	25.53	13.07	29.36	0
4/24/20 10:30	3.054	238.2	28.81	13.32	29.36	0
4/24/20 10:45	1.368	210	27.49	13.74	29.36	0
4/24/20 11:00	1.313	175.1	31.46	14.09	29.38	0
4/24/20 11:15	2.382	298.3	33.99	13.97	29.38	0
4/24/20 11:30	1.291	265.9	49.66	14.14	29.38	0
4/24/20 11:45	2.39	237.2	34.61	14.18	29.38	0
4/24/20 12:00	3.086	268.8	29.8	14.05	29.36	0
4/24/20 12:15	3.249	282.4	26.1	14.45	29.36	0
4/24/20 12:30	2.514	251.8	35.87	14.6	29.36	0
4/24/20 12:45	2.494	297.3	28.15	14.59	29.36	0
4/24/20 13:00	1.993	263.6	52.66	14.8	29.37	0
4/24/20 13:15	3.146	310.8	22.18	14.43	29.37	0
4/24/20 13:30	3.359	317.2	18.75	14.37	29.37	0
4/24/20 13:45	3.337	268.1	26.56	14.53	29.37	0
4/24/20 14:00	3.008	272.6	15.03	14.38	29.37	0
4/24/20 14:15	4.281	255.4	10.57	14.3	29.37	0
4/24/20 14:30	4.502	253.3	13.96	14.11	29.37	0
4/24/20 14:45	4.903	287.1	12.4	14.01	29.37	0
4/24/20 15:00	4.716	283.9	17.22	14.23	29.35	0
4/24/20 15:15	3.76	290.1	18.74	14.5	29.35	0
4/24/20 15:30	3.565	279.2	37.11	14.38	29.35	0
4/24/20 15:45	2.573	224.3	54.11	14.7	29.35	0
4/24/20 16:00	2.38	293.6	34.73	14.74	29.35	0
4/24/20 16:15	2.471	185	72.15	14.36	29.35	0
4/24/20 16:30	3.036	152.2	15.37	14.29	29.35	0
4/24/20 16:45	3.027	157.1	11.52	14.22	29.35	0
4/24/20 17:00	2.375	199.9	30.52	14.27	29.33	0
4/24/20 17:15	2.01	201.7	20.78	14.26	29.33	0
4/24/20 17:30	3.008	227.4	17.93	14.17	29.33	0
4/24/20 17:45	3.424	252.2	8.48	14.15	29.33	0
4/24/20 18:00	2.901	268.8	17.23	14.08	29.33	0
4/24/20 18:15	3.348	279.3	4.626	13.69	29.33	0
4/24/20 18:30	2.5	272.1	9.5	13.54	29.33	0
4/24/20 18:45	3.404	248.1	6.708	13.56	29.33	0
4/24/20 19:00	2.826	239	5.452	13.48	29.34	0
4/24/20 19:15	3.302	223.6	9.21	13.39	29.34	0
4/24/20 19:30	2.751	178.8	29.39	13.18	29.34	0
4/24/20 19:45	3.025	159.6	11.61	12.95	29.34	0
4/24/20 20:00	4.771	143	8.9	12.78	29.33	0
4/24/20 20:15	5.096	121.3	14.48	12.52	29.33	0
4/24/20 20:30	5.673	125.6	8.21	12.33	29.33	0
4/24/20 20:45	5.005	133.1	11.44	12.62	29.33	0
4/24/20 21:00	4.241	166.6	23.22	12.53	29.31	0
4/24/20 21:15	4.691	173.6	19.2	12.31	29.31	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/24/20 21:30	4.803	184.8	25.79	12.11	29.31	0
4/24/20 21:45	3.93	195.8	20.67	12.13	29.31	0
4/24/20 22:00	3.879	196.4	19.86	11.81	29.32	0
4/24/20 22:15	3.935	188.4	18.35	11.81	29.32	0
4/24/20 22:30	4.252	173.4	13.5	11.92	29.32	0
4/24/20 22:45	4.871	178.9	12.99	12.09	29.32	0
4/24/20 23:00	4.944	177.2	9.87	11.88	29.31	0
4/24/20 23:15	4.09	164	14.57	11.91	29.31	0
4/24/20 23:30	4.194	142.2	6.464	11.54	29.31	0
4/24/20 23:45	5.729	147.7	6.998	11.75	29.31	0
4/25/20 0:00	5.075	154.7	8.19	11.79	29.29	0
4/25/20 0:15	4.277	157.2	13.55	12.12	29.29	0
4/25/20 0:30	4.227	170.2	19.94	11.93	29.29	0
4/25/20 0:45	5.071	173.6	24.01	11.95	29.29	0
4/25/20 1:00	4.308	167.6	14.48	11.44	29.27	0
4/25/20 1:15	4.617	162.6	19.4	11.19	29.27	0
4/25/20 1:30	5.654	139.5	6.864	11.29	29.27	0
4/25/20 1:45	5.878	146.2	9.3	11.51	29.27	0
4/25/20 2:00	6.812	151.4	9.7	11.34	29.25	0
4/25/20 2:15	6.056	148.6	9.65	11.36	29.25	0
4/25/20 2:30	5.991	143.2	9.05	11.4	29.25	0
4/25/20 2:45	6.48	152.5	12.39	11.71	29.25	0
4/25/20 3:00	4.925	173.5	16.44	11.38	29.21	0
4/25/20 3:15	5.884	156.3	13.57	11.24	29.21	0
4/25/20 3:30	5.327	146.6	10.02	11.54	29.21	0
4/25/20 3:45	5.324	170.8	11.31	11.58	29.21	0
4/25/20 4:00	6.121	180	10.56	11.5	29.18	0
4/25/20 4:15	6.446	154.8	15.03	11.49	29.18	0
4/25/20 4:30	4.295	149.9	16.05	11.62	29.18	0
4/25/20 4:45	4.563	151.6	12.06	11.58	29.18	0
4/25/20 5:00	4.41	165.9	11.98	11.65	29.19	0
4/25/20 5:15	4.819	178.5	14.44	11.89	29.19	0
4/25/20 5:30	4.505	174.1	12.45	11.83	29.19	0
4/25/20 5:45	4.79	168.3	15.75	11.56	29.19	0
4/25/20 6:00	5.181	180.1	14.41	11.46	29.16	0
4/25/20 6:15	6.55	196.3	21.68	11.21	29.16	0
4/25/20 6:30	8.95	219.3	12.95	10.63	29.16	0.01
4/25/20 6:45	5.296	180.6	17.08	9.96	29.16	0.02
4/25/20 7:00	4.603	147.6	12.16	9.28	29.18	0.03
4/25/20 7:15	5.394	128.5	9.13	9.17	29.18	0.02
4/25/20 7:30	8.66	130.2	10.12	9.41	29.18	0.03
4/25/20 7:45	10.19	128.8	9.74	9.64	29.18	0.01
4/25/20 8:00	11.22	131.1	10.85	10.16	29.14	0.02
4/25/20 8:15	9.74	135.9	11.13	10.55	29.14	0.01
4/25/20 8:30	9.83	143.8	10.62	10.75	29.14	0.01
4/25/20 8:45	9.63	148.5	9.99	10.72	29.14	0.01
4/25/20 9:00	10.74	154.6	9.47	10.61	29.15	0.03
4/25/20 9:15	12.57	151.4	12.01	10.65	29.15	0.02
4/25/20 9:30	11.47	209	29.42	10.75	29.15	0
4/25/20 9:45	10.96	196	11.31	10.91	29.15	0
4/25/20 10:00	9.97	189.7	8.85	11.46	29.2	0
4/25/20 10:15	8.16	188	10.16	11.49	29.2	0.02
4/25/20 10:30	10.83	190.4	10.8	11.85	29.2	0
4/25/20 10:45	10.99	190.4	8.24	11.83	29.2	0.01
4/25/20 11:00	12.61	190.6	8.78	11.87	29.19	0.03
4/25/20 11:15	12.99	193	8.44	12	29.19	0.01
4/25/20 11:30	11.08	193.7	9.33	12.36	29.19	0.01
4/25/20 11:45	12.61	188.5	10.5	12.72	29.19	0
4/25/20 12:00	11.78	204.5	15.32	13.39	29.21	0
4/25/20 12:15	12.79	231.6	11.67	14.26	29.21	0
4/25/20 12:30	18.19	254.5	9.75	13.94	29.21	0
4/25/20 12:45	19.4	248.9	10.27	14.19	29.21	0
4/25/20 13:00	21.69	254.7	9.25	14.16	29.21	0
4/25/20 13:15	18.43	255.2	11.12	14.71	29.21	0
4/25/20 13:30	19.38	245.9	8.96	14.68	29.21	0
4/25/20 13:45	21.89	253.6	8.65	14.54	29.21	0
4/25/20 14:00	21.13	247.1	9.08	14.78	29.25	0
4/25/20 14:15	18.62	250.8	11.87	14.97	29.25	0
4/25/20 14:30	19.23	246.8	11.65	15.04	29.25	0
4/25/20 14:45	19.98	253.4	10.47	15.1	29.25	0
4/25/20 15:00	18.37	243.5	12.32	15.27	29.25	0
4/25/20 15:15	20.11	243.9	11.86	15.14	29.25	0
4/25/20 15:30	19.49	248.9	10.02	15.04	29.25	0
4/25/20 15:45	20.31	243.4	10.15	14.86	29.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/25/20 16:00	19.8	249.2	11.58	14.96	29.24	0
4/25/20 16:15	19.38	243.9	11.24	14.51	29.24	0
4/25/20 16:30	20.43	242.4	10.13	14.26	29.24	0
4/25/20 16:45	20.03	236.5	10.73	13.93	29.24	0
4/25/20 17:00	16.98	246.7	9.55	13.91	29.27	0
4/25/20 17:15	13.63	242.3	14.8	13.72	29.27	0
4/25/20 17:30	16.12	256.6	9.79	13.56	29.27	0
4/25/20 17:45	14.07	246.2	9.68	13.07	29.27	0
4/25/20 18:00	11.8	240.2	9.75	13.03	29.27	0
4/25/20 18:15	7.232	234.5	11.86	12.86	29.27	0
4/25/20 18:30	8.8	237.4	11.32	12.8	29.27	0
4/25/20 18:45	10.95	243.7	11.22	12.58	29.27	0
4/25/20 19:00	9.08	243	10.85	12.35	29.27	0
4/25/20 19:15	8.52	244.4	13.27	12.08	29.27	0
4/25/20 19:30	10.59	252.1	9.47	11.98	29.27	0
4/25/20 19:45	11.27	249.8	10.69	11.69	29.27	0
4/25/20 20:00	12.31	247.4	8.3	11.52	29.27	0
4/25/20 20:15	10.36	252.2	10.55	11.32	29.27	0
4/25/20 20:30	10.61	232.6	9.36	11.23	29.27	0
4/25/20 20:45	10	225.1	10.89	11.12	29.27	0
4/25/20 21:00	6.246	214.7	12.43	10.93	29.31	0
4/25/20 21:15	5.224	198.2	19.39	10.69	29.31	0
4/25/20 21:30	4.76	193.4	22.19	10.65	29.31	0
4/25/20 21:45	5.545	202.3	22.75	10.51	29.31	0
4/25/20 22:00	6.091	230.2	9.91	10.25	29.31	0
4/25/20 22:15	5.688	213.9	9.49	10	29.31	0
4/25/20 22:30	10.25	220.6	6.845	9.72	29.31	0
4/25/20 22:45	7.104	221.3	6.435	9.35	29.31	0
4/25/20 23:00	5.291	222.6	14.4	9.59	29.32	0
4/25/20 23:15	5.627	220.5	17.62	9.23	29.32	0
4/25/20 23:30	4.715	187.9	20.07	9.07	29.32	0
4/25/20 23:45	4.078	187.2	16.77	8.99	29.32	0
4/26/20 0:00	5.63	171.8	14.94	8.54	29.32	0
4/26/20 0:15	7.67	199	7.701	8.76	29.32	0
4/26/20 0:30	5.366	191	7.458	8.37	29.32	0
4/26/20 0:45	6.907	190.5	8.73	8.2	29.32	0
4/26/20 1:00	3.574	156.6	13.28	7.897	29.33	0
4/26/20 1:15	3.945	155.7	9.54	7.75	29.33	0
4/26/20 1:30	4.632	148.2	9.28	8.11	29.33	0
4/26/20 1:45	4.116	157.9	24.21	8.34	29.33	0
4/26/20 2:00	5.027	170.9	21.85	8.46	29.31	0
4/26/20 2:15	5.365	183.7	12.06	8.22	29.31	0
4/26/20 2:30	4.735	168.3	14.54	7.997	29.31	0
4/26/20 2:45	3.759	179.9	14.16	7.967	29.31	0
4/26/20 3:00	5.204	177.3	13.89	8.12	29.33	0
4/26/20 3:15	5.102	158.1	7.246	7.721	29.33	0
4/26/20 3:30	5.878	160.7	6.691	7.691	29.33	0
4/26/20 3:45	5.113	170.2	7.365	7.564	29.33	0
4/26/20 4:00	5.462	165.6	10.26	7.712	29.32	0
4/26/20 4:15	6.044	159	8.17	7.693	29.32	0
4/26/20 4:30	4.935	151.1	8.99	7.772	29.32	0
4/26/20 4:45	5.066	151.6	9.24	7.752	29.32	0
4/26/20 5:00	5.15	152.4	8.27	7.713	29.29	0
4/26/20 5:15	3.585	146.9	9.21	7.664	29.29	0
4/26/20 5:30	1.671	138.4	10.35	7.695	29.29	0
4/26/20 5:45	2.537	144.2	11.44	7.912	29.29	0
4/26/20 6:00	4.219	145.8	6.352	8.29	29.32	0
4/26/20 6:15	4.045	141.1	6.827	8.5	29.32	0
4/26/20 6:30	3.733	128.9	7.971	9.1	29.32	0
4/26/20 6:45	3.691	143.9	12.7	9.55	29.32	0
4/26/20 7:00	3.963	151.9	12.48	9.75	29.31	0
4/26/20 7:15	4.072	147.6	10.11	9.6	29.31	0
4/26/20 7:30	5.305	156.2	9.7	9.7	29.31	0
4/26/20 7:45	3.908	146.1	18.56	10.84	29.31	0
4/26/20 8:00	5.108	185.6	25.71	10.47	29.31	0
4/26/20 8:15	5.257	209	18.78	10.87	29.31	0
4/26/20 8:30	4.841	207.1	18.14	10.95	29.31	0
4/26/20 8:45	5.568	217.1	16.35	11.54	29.31	0
4/26/20 9:00	6.02	229.5	11.13	11.22	29.3	0
4/26/20 9:15	5.34	220.9	23.39	11.73	29.3	0
4/26/20 9:30	5.994	232.2	20.6	11.97	29.3	0
4/26/20 9:45	4.382	190.7	40.99	12.29	29.3	0
4/26/20 10:00	3.724	201.2	57.16	12.7	29.29	0
4/26/20 10:15	3.691	289	61.84	12.66	29.29	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/26/20 10:30	5.712	236.4	29.91	12.9	29.29	0
4/26/20 10:45	3.805	157.5	65.93	12.94	29.29	0
4/26/20 11:00	4.09	165.3	27.88	13.19	29.28	0
4/26/20 11:15	2.965	217.4	80.1	13.32	29.28	0
4/26/20 11:30	5.242	234.6	19.63	13.5	29.28	0
4/26/20 11:45	5.789	206.2	19.05	13.12	29.28	0
4/26/20 12:00	3.833	228.6	21.75	13.58	29.25	0
4/26/20 12:15	3.453	246.5	46.11	14.05	29.25	0
4/26/20 12:30	5.353	205.6	27.25	14.03	29.25	0
4/26/20 12:45	4.893	200.4	28.6	14.77	29.25	0
4/26/20 13:00	4.18	184.6	33.71	14.84	29.2	0
4/26/20 13:15	3.347	209.8	52.87	15.04	29.2	0
4/26/20 13:30	3.98	221.2	25.56	14.75	29.2	0
4/26/20 13:45	6.856	203.1	14.67	14.78	29.2	0
4/26/20 14:00	5.46	207.9	12.5	15.28	29.2	0
4/26/20 14:15	3.751	217.7	20.74	15.11	29.2	0
4/26/20 14:30	5.684	195.8	38.73	15.84	29.2	0
4/26/20 14:45	6.677	190.2	23.98	16.01	29.2	0
4/26/20 15:00	5.284	204.9	24.83	15.48	29.2	0
4/26/20 15:15	4.766	246.2	27.8	15.5	29.2	0
4/26/20 15:30	5.166	274.2	25.82	15.37	29.2	0
4/26/20 15:45	4.414	273.7	16.06	15.05	29.2	0
4/26/20 16:00	1.322	67.09	84.2	14.98	29.16	0
4/26/20 16:15	4.894	98.8	17.46	14.95	29.16	0
4/26/20 16:30	1.666	142.7	36.24	16.49	29.16	0
4/26/20 16:45	4.242	153.6	52.1	16.23	29.16	0
4/26/20 17:00	5.347	188.9	34.02	16.36	29.15	0
4/26/20 17:15	4.773	197.8	39.6	16.21	29.15	0
4/26/20 17:30	5.866	220.3	11.72	16.15	29.15	0
4/26/20 17:45	3.801	252.3	18.32	15.98	29.15	0
4/26/20 18:00	4.387	292.1	11.48	15.48	29.13	0
4/26/20 18:15	2.547	297.8	15.26	14.94	29.13	0
4/26/20 18:30	1.801	220.5	53.73	14.78	29.13	0
4/26/20 18:45	2.735	173.2	12.03	14.71	29.13	0
4/26/20 19:00	4.719	157.8	12.34	14.53	29.09	0
4/26/20 19:15	5.783	149.6	9.56	14.65	29.09	0
4/26/20 19:30	5.67	171	11.63	14.53	29.09	0
4/26/20 19:45	4.243	181.4	15.2	14.52	29.09	0
4/26/20 20:00	5.015	194.2	20.4	14.46	29.12	0
4/26/20 20:15	6.178	211	12.71	14.38	29.12	0
4/26/20 20:30	11.19	228.9	16.3	14.73	29.12	0
4/26/20 20:45	13.68	231.1	15.89	14.82	29.12	0
4/26/20 21:00	8.58	277.9	11.73	13.92	29.14	0
4/26/20 21:15	8.55	263.3	9.34	12.72	29.14	0
4/26/20 21:30	8.28	240.1	16.6	12.26	29.14	0
4/26/20 21:45	8.12	234	7.443	11.51	29.14	0
4/26/20 22:00	6.931	213.6	17.48	10.98	29.12	0
4/26/20 22:15	6.204	176.8	21.67	10.37	29.12	0.01
4/26/20 22:30	8.02	156.4	9.91	10.04	29.12	0.01
4/26/20 22:45	12.11	168.3	6.051	9.96	29.12	0
4/26/20 23:00	11.25	150.2	12.04	9.54	29.09	0.01
4/26/20 23:15	7.727	149.2	11.13	9.4	29.09	0
4/26/20 23:30	6.405	153.6	11.09	9.16	29.09	0.01
4/26/20 23:45	7.23	161	11.87	9.43	29.09	0
4/27/20 0:00	4.848	187.9	14.71	9.59	29.09	0.01
4/27/20 0:15	6.098	176.4	15.28	9.32	29.09	0
4/27/20 0:30	5.077	144.2	12.06	9.3	29.09	0.01
4/27/20 0:45	6.35	143.6	7.935	9.79	29.09	0
4/27/20 1:00	7.166	142.6	8.8	10.08	29.08	0
4/27/20 1:15	7.61	134.6	9.2	10.25	29.08	0
4/27/20 1:30	6.824	136.5	8.08	10.28	29.08	0
4/27/20 1:45	5.938	134.4	8.57	10.48	29.08	0.01
4/27/20 2:00	6.357	146	11.14	10.56	29.07	0.04
4/27/20 2:15	7.351	149.4	7.629	10.19	29.07	0.01
4/27/20 2:30	7.252	148.2	8.47	10.32	29.07	0.01
4/27/20 2:45	5.922	147.4	10.46	10.37	29.07	0
4/27/20 3:00	7.061	163.1	9.87	10.6	29.08	0
4/27/20 3:15	7.043	167.8	8.28	10.41	29.08	0
4/27/20 3:30	7.152	161.8	7.432	10.28	29.08	0.01
4/27/20 3:45	8.52	172.7	10.11	10.31	29.08	0
4/27/20 4:00	10.76	187.3	7.909	10.33	29.1	0
4/27/20 4:15	8.4	186.8	9.26	10.28	29.1	0
4/27/20 4:30	7.889	183.3	10.59	10.32	29.1	0
4/27/20 4:45	7.205	172.8	10.84	10.35	29.1	0.01

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/27/20 5:00	10.75	197.6	11.69	10.63	29.09	0
4/27/20 5:15	11.89	198.2	10.57	10.83	29.09	0
4/27/20 5:30	10.86	197.7	9.06	10.81	29.09	0
4/27/20 5:45	10.96	204.7	11.17	10.79	29.09	0
4/27/20 6:00	9.61	201.7	10.45	10.85	29.11	0
4/27/20 6:15	7.164	206.5	10.45	10.69	29.11	0
4/27/20 6:30	6.633	230.1	13.68	10.6	29.11	0.01
4/27/20 6:45	9.15	267.1	12.73	10.35	29.11	0.02
4/27/20 7:00	10.59	263.7	10.08	9.96	29.15	0.01
4/27/20 7:15	13.15	245.3	11.11	9.95	29.15	0.01
4/27/20 7:30	13.12	243.3	8.13	9.97	29.15	0
4/27/20 7:45	12.54	236.3	8.86	10.18	29.15	0
4/27/20 8:00	10.71	240.4	10.47	10.2	29.19	0
4/27/20 8:15	7.05	233.8	18.52	10.16	29.19	0
4/27/20 8:30	8.03	252.7	13.8	10.35	29.19	0
4/27/20 8:45	11.97	244.2	9.31	10.12	29.19	0
4/27/20 9:00	10.45	233.8	8.7	11.01	29.21	0
4/27/20 9:15	10.98	229.8	11.71	11.26	29.21	0
4/27/20 9:30	12.57	231.3	11.63	11.99	29.21	0
4/27/20 9:45	14.09	227.5	10.37	12.34	29.21	0
4/27/20 10:00	15.02	221.8	12.36	12.82	29.22	0
4/27/20 10:15	13.43	207.8	9.23	13.21	29.22	0
4/27/20 10:30	14.82	220.4	17.06	13.49	29.22	0
4/27/20 10:45	18.13	231.1	9.07	13.4	29.22	0
4/27/20 11:00	16.31	226.3	9.18	13.48	29.25	0
4/27/20 11:15	13.4	221.6	13.74	13.93	29.25	0
4/27/20 11:30	11.91	218.8	15.23	14.46	29.25	0
4/27/20 11:45	16.18	223.2	9.84	14.41	29.25	0
4/27/20 12:00	17.62	221.8	10.11	14.71	29.23	0
4/27/20 12:15	18.73	232.5	10.01	14.77	29.23	0
4/27/20 12:30	17.37	236	15.28	14.82	29.23	0
4/27/20 12:45	17.85	215.4	10.49	14.82	29.23	0
4/27/20 13:00	15.91	233.1	12.27	14.76	29.26	0
4/27/20 13:15	18.36	226.8	14.31	15.66	29.26	0
4/27/20 13:30	15.86	228.2	8.96	14.65	29.26	0
4/27/20 13:45	16.22	236	9.62	14.97	29.26	0
4/27/20 14:00	20.61	238.8	10.92	15.19	29.26	0
4/27/20 14:15	20	230.6	10.52	15.4	29.26	0
4/27/20 14:30	16.99	238.4	15.41	15.69	29.26	0
4/27/20 14:45	16.76	246.2	13.5	15.9	29.26	0
4/27/20 15:00	18.56	254.6	11.18	16.07	29.27	0
4/27/20 15:15	18.93	260.8	10.75	15.74	29.27	0
4/27/20 15:30	16.91	256.7	15.56	15.27	29.27	0
4/27/20 15:45	17.36	256	12.48	15.5	29.27	0
4/27/20 16:00	17.12	250.7	10.5	15.36	29.27	0
4/27/20 16:15	19.1	251.7	11.86	15.07	29.27	0
4/27/20 16:30	19.03	251.6	10.03	14.96	29.27	0
4/27/20 16:45	18.42	251.4	10.76	14.98	29.27	0
4/27/20 17:00	15.66	262.1	10.51	14.95	29.3	0
4/27/20 17:15	16.58	261.1	12.32	14.73	29.3	0
4/27/20 17:30	14.67	262	11.86	14.66	29.3	0
4/27/20 17:45	14.05	265.4	12.25	14.56	29.3	0
4/27/20 18:00	11.3	256.2	13.07	14.44	29.33	0
4/27/20 18:15	10.93	266.8	11.3	14.18	29.33	0
4/27/20 18:30	12	265.2	9.33	13.64	29.33	0
4/27/20 18:45	12.26	259.8	9.82	13.33	29.33	0
4/27/20 19:00	8.89	253.6	10.27	13.07	29.34	0
4/27/20 19:15	10.61	251.2	8.44	12.9	29.34	0
4/27/20 19:30	9.44	241.7	9.57	12.65	29.34	0
4/27/20 19:45	9.05	256.2	7.6	12.46	29.34	0
4/27/20 20:00	6.54	267.7	11.62	12.23	29.37	0
4/27/20 20:15	6.294	268	14.47	11.8	29.37	0
4/27/20 20:30	3.405	193.8	54.11	11.6	29.37	0
4/27/20 20:45	2.182	144	41.11	10.89	29.37	0
4/27/20 21:00	4.199	244.2	16.42	11.18	29.37	0
4/27/20 21:15	2.69	239.9	46.74	10.93	29.37	0
4/27/20 21:30	2.029	334.8	63.26	10.49	29.37	0
4/27/20 21:45	3.16	243.3	10.82	10.67	29.37	0
4/27/20 22:00	2.152	208.9	37.05	10.61	29.38	0
4/27/20 22:15	2.621	211.6	18.54	10.41	29.38	0
4/27/20 22:30	2.527	150	12.64	10.17	29.38	0
4/27/20 22:45	2.427	169.9	12.63	9.99	29.38	0
4/27/20 23:00	1.372	152.8	21.28	9.74	29.38	0
4/27/20 23:15	1.668	141.2	26.06	9.57	29.38	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/27/20 23:30	2.278	150.5	17.91	9.52	29.38	0
4/27/20 23:45	0.887	118.8	7.774	9.41	29.38	0
4/28/20 0:00	1.427	115.7	16.84	9.25	29.39	0
4/28/20 0:15	3.186	114.9	8.5	8.74	29.39	0
4/28/20 0:30	3.146	123.3	7.229	8.99	29.39	0
4/28/20 0:45	2.335	141.1	15.81	9.25	29.39	0
4/28/20 1:00	2.358	149.6	14.44	9.29	29.42	0
4/28/20 1:15	1.147	128.8	7.525	9.26	29.42	0
4/28/20 1:30	1.63	103.2	10.57	8.81	29.42	0
4/28/20 1:45	2.23	118.7	4.24	8.36	29.42	0
4/28/20 2:00	3.111	127.1	4.83	8.25	29.4	0
4/28/20 2:15	3.779	163.8	9.74	8.29	29.4	0
4/28/20 2:30	4.778	145.7	10.14	8.29	29.4	0
4/28/20 2:45	3.605	144.2	8.74	8.21	29.4	0
4/28/20 3:00	3.931	163.8	6.104	8.09	29.42	0
4/28/20 3:15	3.722	173.6	7.097	7.994	29.42	0
4/28/20 3:30	2.452	171	10.2	8.21	29.42	0
4/28/20 3:45	2.845	200.8	8.12	7.974	29.42	0
4/28/20 4:00	3.468	166.6	11.66	7.296	29.41	0
4/28/20 4:15	2.516	125	12.11	7.464	29.41	0
4/28/20 4:30	2.797	157.7	7.086	7.653	29.41	0
4/28/20 4:45	3.505	153.6	3.733	7.623	29.41	0
4/28/20 5:00	4.004	151.9	4.409	7.703	29.43	0
4/28/20 5:15	3.68	167.4	8.83	7.712	29.43	0
4/28/20 5:30	3.61	170.1	9.04	7.742	29.43	0
4/28/20 5:45	2.571	169.5	15.82	7.574	29.43	0
4/28/20 6:00	0.873	108.6	37.44	7.701	29.41	0
4/28/20 6:15	3.851	186	19.41	7.807	29.41	0
4/28/20 6:30	4.151	152.5	7.227	7.778	29.41	0
4/28/20 6:45	5.378	130.7	10.03	8.23	29.41	0
4/28/20 7:00	3.318	147.3	21.59	8.84	29.44	0
4/28/20 7:15	2.733	155.4	18.48	9.22	29.44	0
4/28/20 7:30	3.921	139.8	13.53	9.79	29.44	0
4/28/20 7:45	3.195	141.9	25.65	9.95	29.44	0
4/28/20 8:00	5.547	207.2	15.01	9.9	29.42	0
4/28/20 8:15	4.715	189.7	21.92	10.35	29.42	0
4/28/20 8:30	2.168	164	43.41	11.42	29.42	0
4/28/20 8:45	2.413	184.3	42.14	12.16	29.42	0
4/28/20 9:00	3.43	221.9	29.59	12.74	29.43	0
4/28/20 9:15	3.149	212.4	35.74	13.56	29.43	0
4/28/20 9:30	4.496	214.7	17.8	13.95	29.43	0
4/28/20 9:45	3.512	200.8	30.37	13.93	29.43	0
4/28/20 10:00	3.868	242.3	18.84	14.08	29.41	0
4/28/20 10:15	3.227	246.8	20.52	14.39	29.41	0
4/28/20 10:30	3.395	243.4	31.96	15.14	29.41	0
4/28/20 10:45	3.034	309.1	43.49	15.23	29.41	0
4/28/20 11:00	2.999	279.9	43.85	15.54	29.41	0
4/28/20 11:15	3.462	263.2	35.8	15.62	29.41	0
4/28/20 11:30	5.295	264.6	18.25	15.49	29.41	0
4/28/20 11:45	5.264	293.3	18.35	15.78	29.41	0
4/28/20 12:00	6.362	284.1	11.4	15.93	29.39	0
4/28/20 12:15	7.521	299.3	16.87	15.93	29.39	0
4/28/20 12:30	8.38	316.3	11.46	15.76	29.39	0
4/28/20 12:45	8.19	311	13.52	15.68	29.39	0
4/28/20 13:00	7.751	313.3	17.68	15.81	29.4	0
4/28/20 13:15	9.61	299.9	8.76	15.54	29.4	0
4/28/20 13:30	8.59	304.4	11.7	15.56	29.4	0
4/28/20 13:45	9.71	298.5	10.33	15.1	29.4	0
4/28/20 14:00	9.7	310.5	8.52	15.24	29.41	0
4/28/20 14:15	7.608	324.5	14.46	14.98	29.41	0
4/28/20 14:30	5.249	18.54	18.65	15	29.41	0
4/28/20 14:45	6.963	320.9	21.89	15.07	29.41	0
4/28/20 15:00	6.614	344.7	19.33	14.85	29.42	0
4/28/20 15:15	6.859	13.94	14.94	14.97	29.42	0
4/28/20 15:30	6.155	18.09	13.3	15.15	29.42	0
4/28/20 15:45	5.729	1.192	15.4	15.22	29.42	0
4/28/20 16:00	5.947	41.2	11.53	15.1	29.42	0
4/28/20 16:15	5.912	39.9	13.99	15.07	29.42	0
4/28/20 16:30	5.397	24.91	12.67	15.75	29.42	0
4/28/20 16:45	4.086	13.1	15.74	16.49	29.42	0
4/28/20 17:00	4.461	11.67	25.29	15.87	29.4	0
4/28/20 17:15	4.883	16.81	18.44	16	29.4	0
4/28/20 17:30	5.868	15.82	14.59	15.69	29.4	0
4/28/20 17:45	5.297	21.78	11.48	15.38	29.4	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/28/20 18:00	6.295	29.2	12.7	14.93	29.38	0
4/28/20 18:15	7.151	22.44	14.16	14.51	29.38	0
4/28/20 18:30	6.068	17.27	12.49	14.35	29.38	0
4/28/20 18:45	5.197	15.56	14.43	14.23	29.38	0
4/28/20 19:00	6.417	34.81	10.47	14.19	29.38	0
4/28/20 19:15	7.458	27.64	10.69	13.39	29.38	0
4/28/20 19:30	8.83	32.39	8.48	13.22	29.38	0
4/28/20 19:45	9.79	31.97	9.26	12.76	29.38	0
4/28/20 20:00	6.783	34.56	9.42	12.62	29.37	0
4/28/20 20:15	6.574	37.22	7.835	12.77	29.37	0
4/28/20 20:30	6.189	31	8.61	12.66	29.37	0
4/28/20 20:45	6.546	31.92	8.74	12.48	29.37	0
4/28/20 21:00	5.889	34.93	8.82	12.27	29.37	0
4/28/20 21:15	4.676	32.09	7.018	11.99	29.37	0
4/28/20 21:30	5.692	33.44	9.37	12.2	29.37	0
4/28/20 21:45	5.438	35.13	9.28	11.92	29.37	0
4/28/20 22:00	4.916	37.05	9.7	11.93	29.34	0
4/28/20 22:15	4.719	39.41	8.63	11.56	29.34	0
4/28/20 22:30	6.53	36.24	8.75	11.49	29.34	0
4/28/20 22:45	6.585	34	10.27	11.46	29.34	0
4/28/20 23:00	3.946	33.22	7.927	11.48	29.31	0
4/28/20 23:15	5.456	38.63	9.4	11.35	29.31	0
4/28/20 23:30	6.294	42.74	10.33	10.97	29.31	0
4/28/20 23:45	6.478	34.99	10.5	10.73	29.31	0
4/29/20 0:00	4.031	3.516	53.26	10.53	29.29	0
4/29/20 0:15	2.505	289.9	15.71	10.47	29.29	0
4/29/20 0:30	1.899	25.63	63.08	10.14	29.29	0
4/29/20 0:45	5.862	39.75	9.93	9.98	29.29	0
4/29/20 1:00	6.782	28.35	9.03	10.04	29.27	0
4/29/20 1:15	6.405	22.74	9.79	10.04	29.27	0
4/29/20 1:30	11.51	28.17	11.25	10.04	29.27	0
4/29/20 1:45	10.49	34.63	13.61	9.98	29.27	0
4/29/20 2:00	4.54	349.7	56.59	9.94	29.25	0
4/29/20 2:15	1.887	256.8	15.12	9.86	29.25	0
4/29/20 2:30	3.277	24.46	43.64	9.96	29.25	0
4/29/20 2:45	7.195	41.22	9.17	9.95	29.25	0
4/29/20 3:00	8.44	43.09	9.53	9.72	29.22	0
4/29/20 3:15	8.15	52.11	10.12	9.66	29.22	0
4/29/20 3:30	8.74	46.84	10.63	9.56	29.22	0
4/29/20 3:45	7.315	40.81	12.6	9.54	29.22	0
4/29/20 4:00	6.91	53.43	15.36	9.55	29.19	0
4/29/20 4:15	7.932	42.23	10.38	9.45	29.19	0
4/29/20 4:30	7.271	37.34	17.74	9.3	29.19	0
4/29/20 4:45	4.793	349.5	12.23	9.08	29.19	0
4/29/20 5:00	3.072	12.55	15.64	8.84	29.18	0
4/29/20 5:15	5.209	45.25	9.82	8.86	29.18	0
4/29/20 5:30	6.875	45.47	8.58	8.81	29.18	0
4/29/20 5:45	5.717	43.28	10.21	8.85	29.18	0
4/29/20 6:00	6.746	53.84	10.55	8.91	29.14	0
4/29/20 6:15	7.338	37.16	13.52	8.98	29.14	0
4/29/20 6:30	6.467	37.16	10.31	9.21	29.14	0
4/29/20 6:45	3.675	36.95	9.73	9.45	29.14	0
4/29/20 7:00	3.543	29.52	24.04	9.54	29.12	0
4/29/20 7:15	2.552	14.06	23.29	9.87	29.12	0
4/29/20 7:30	2.472	342.3	40.51	10.03	29.12	0
4/29/20 7:45	3.401	283.3	18.4	10.12	29.12	0
4/29/20 8:00	2.362	282.7	18.77	10.33	29.1	0
4/29/20 8:15	0.79	244.3	30.22	11.21	29.1	0
4/29/20 8:30	3.517	235.2	26.11	11.38	29.1	0
4/29/20 8:45	1.544	161.5	40.45	12.33	29.1	0
4/29/20 9:00	3.292	223.3	22.09	12.43	29.09	0
4/29/20 9:15	3.025	218.9	31.64	13.12	29.09	0
4/29/20 9:30	2.797	199.1	34.31	13.94	29.09	0
4/29/20 9:45	3.79	223.7	30.35	14.14	29.09	0
4/29/20 10:00	4.417	236.5	22.19	15.24	29.08	0
4/29/20 10:15	4.291	266.1	15.53	15.8	29.08	0
4/29/20 10:30	5.082	257.3	18.98	16.02	29.08	0
4/29/20 10:45	6.396	262	23.22	16.5	29.08	0
4/29/20 11:00	8.58	274.9	13.32	15.9	29.1	0
4/29/20 11:15	6.957	210.9	12.75	15.91	29.1	0
4/29/20 11:30	4.463	198.8	15.76	16.26	29.1	0
4/29/20 11:45	6.391	156.4	19.8	17.54	29.1	0
4/29/20 12:00	6.493	152.2	28.28	18.72	29.07	0
4/29/20 12:15	6.841	167.7	29.48	18.87	29.07	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/29/20 12:30	7.722	187.9	22.03	18.61	29.07	0
4/29/20 12:45	8.95	213.3	20.08	18.72	29.07	0
4/29/20 13:00	9.64	218.9	24.96	19.09	29.08	0
4/29/20 13:15	11.44	203.7	15.48	18.9	29.08	0
4/29/20 13:30	10.04	200.9	14.87	18.93	29.08	0
4/29/20 13:45	8.11	231.8	26.63	19.49	29.08	0
4/29/20 14:00	5.648	204.3	31.78	19.24	29.07	0
4/29/20 14:15	3.898	180.5	41.81	19.65	29.07	0
4/29/20 14:30	6.242	229	27.53	19.88	29.07	0
4/29/20 14:45	7.17	244.3	12.19	19.76	29.07	0
4/29/20 15:00	5.561	255.5	13.86	19.18	29.07	0
4/29/20 15:15	6.071	228.3	18.06	19.23	29.07	0
4/29/20 15:30	7.183	257.3	25.17	19.27	29.07	0
4/29/20 15:45	13.66	254.2	11.65	18.99	29.07	0
4/29/20 16:00	18.27	255.3	8.23	18.67	29.09	0
4/29/20 16:15	14.01	248.2	13.85	18.48	29.09	0
4/29/20 16:30	12.89	245	13.65	19.12	29.09	0
4/29/20 16:45	16.31	242.8	12.13	18.31	29.09	0
4/29/20 17:00	14.29	244	11.9	17.73	29.1	0
4/29/20 17:15	8.08	249.4	13.93	18.06	29.1	0
4/29/20 17:30	8.21	240	16.56	18.24	29.1	0
4/29/20 17:45	10.19	215.2	14.61	17.92	29.1	0
4/29/20 18:00	9.27	170.1	22.56	17.33	29.08	0
4/29/20 18:15	7.719	132.1	10.14	16.39	29.08	0
4/29/20 18:30	8.12	127.4	10.34	15.69	29.08	0
4/29/20 18:45	6.307	133	14.7	15.33	29.08	0
4/29/20 19:00	8.25	255.7	24.41	15.35	29.1	0.03
4/29/20 19:15	16.59	262.3	10.44	14.3	29.1	0.04
4/29/20 19:30	14.57	249.7	9.69	13.38	29.1	0.01
4/29/20 19:45	11.61	240.9	11.05	13.07	29.1	0.02
4/29/20 20:00	8.87	233.4	10.65	13.08	29.12	0
4/29/20 20:15	8.01	221.5	11.07	13.16	29.12	0
4/29/20 20:30	6.053	210.5	16.43	13.12	29.12	0
4/29/20 20:45	10.2	220.8	11.14	13.12	29.12	0
4/29/20 21:00	9.41	228	12.76	13	29.16	0
4/29/20 21:15	5.47	223.7	14.36	12.96	29.16	0
4/29/20 21:30	9.27	261.3	16.39	12.85	29.16	0
4/29/20 21:45	10.89	258.1	9.91	12.05	29.16	0.01
4/29/20 22:00	11.71	257.8	7.808	11.68	29.19	0
4/29/20 22:15	7.193	250.7	9.89	11.51	29.19	0
4/29/20 22:30	6.83	244.8	11.63	11.33	29.19	0
4/29/20 22:45	4.753	250.5	10.49	11.09	29.19	0
4/29/20 23:00	4.527	223.2	12.32	11.03	29.18	0
4/29/20 23:15	4.286	188.5	19.86	11.1	29.18	0
4/29/20 23:30	4.568	191	15.4	11.05	29.18	0
4/29/20 23:45	4.246	190.5	9.75	10.99	29.18	0
4/30/20 0:00	1.762	183.5	26.63	10.93	29.21	0
4/30/20 0:15	6.642	218.8	14.1	11.16	29.21	0
4/30/20 0:30	8.73	223.2	6.787	11.14	29.21	0
4/30/20 0:45	7.767	250.2	12.31	11.03	29.21	0
4/30/20 1:00	5.675	238.7	11	10.67	29.18	0
4/30/20 1:15	4.8	217.3	8.92	10.47	29.18	0
4/30/20 1:30	5.305	220.3	11.26	10.57	29.18	0
4/30/20 1:45	5.642	218.5	9.1	10.53	29.18	0
4/30/20 2:00	5.707	208.5	11.88	10.39	29.2	0
4/30/20 2:15	5.33	179.5	11.37	10.21	29.2	0
4/30/20 2:30	5.202	196.5	9.63	10.25	29.2	0
4/30/20 2:45	5.033	201.1	15.65	10.29	29.2	0
4/30/20 3:00	7.84	176.5	11.81	10.14	29.21	0
4/30/20 3:15	9.94	188.8	8.14	10.15	29.21	0
4/30/20 3:30	7.799	193.4	7.134	10	29.21	0
4/30/20 3:45	6.888	206.2	14.06	9.88	29.21	0
4/30/20 4:00	3.985	226.2	19.51	9.82	29.22	0.02
4/30/20 4:15	5.638	240.4	15.6	9.68	29.22	0
4/30/20 4:30	5.326	231.5	12.53	9.6	29.22	0
4/30/20 4:45	2.374	177.6	40.72	9.54	29.22	0
4/30/20 5:00	5.191	199.2	28.46	9.44	29.23	0
4/30/20 5:15	11.14	218.9	15.3	9.54	29.23	0
4/30/20 5:30	11.17	219.1	14.99	9.4	29.23	0
4/30/20 5:45	12.91	223.3	12.18	9.28	29.23	0
4/30/20 6:00	12.47	230.2	9.97	9.07	29.25	0
4/30/20 6:15	11.57	217.8	9.48	9	29.25	0
4/30/20 6:30	9.46	201.2	8.35	8.84	29.25	0
4/30/20 6:45	7.501	200	10.72	8.65	29.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
4/30/20 7:00	9.11	198.1	10.63	8.53	29.27	0
4/30/20 7:15	8.32	164.3	12.03	8.53	29.27	0
4/30/20 7:30	7.641	162.4	10.1	9.36	29.27	0
4/30/20 7:45	9.02	193.9	12.35	9.53	29.27	0
4/30/20 8:00	11.39	189	8.15	9.8	29.25	0
4/30/20 8:15	10.05	179.5	13.48	10.74	29.25	0
4/30/20 8:30	8.64	198	18.77	10.75	29.25	0
4/30/20 8:45	9.76	205.2	10.85	10.28	29.25	0
4/30/20 9:00	9.07	190.4	12.65	11.22	29.27	0
4/30/20 9:15	10.47	200.1	13.93	10.97	29.27	0
4/30/20 9:30	9.39	188.7	15.05	10.65	29.27	0
4/30/20 9:45	9.67	191.4	13.7	10.83	29.27	0
4/30/20 10:00	11.56	210.9	13.18	11.23	29.27	0
4/30/20 10:15	12.1	221.9	14.87	11.24	29.27	0
4/30/20 10:30	12.16	231.7	10.27	11.56	29.27	0
4/30/20 10:45	11.59	223.9	12.37	11.73	29.27	0
4/30/20 11:00	11.61	231.6	11.47	11.6	29.3	0
4/30/20 11:15	14.64	226.6	12.63	11.21	29.3	0.02
4/30/20 11:30	7.898	224.9	16.05	11.09	29.3	0.01
4/30/20 11:45	7.336	215.4	18.25	11.65	29.3	0
4/30/20 12:00	7.482	228.5	21.28	11.95	29.27	0
4/30/20 12:15	7.667	211.1	22.9	13.03	29.27	0
4/30/20 12:30	7.64	212	21.2	12.48	29.27	0
4/30/20 12:45	13.12	237.6	10.21	12.24	29.27	0.01
4/30/20 13:00	8.46	245.6	8.67	10.69	29.28	0.01
4/30/20 13:15	6.239	245.9	11.28	11.28	29.28	0
4/30/20 13:30	3.837	254.4	20.07	11.43	29.28	0
4/30/20 13:45	5.782	238.8	33.75	12.59	29.28	0.01
4/30/20 14:00	11.95	235.1	13.89	12.8	29.29	0
4/30/20 14:15	15.49	254.1	11.78	12.17	29.29	0
4/30/20 14:30	12.71	246.3	12.06	11.37	29.29	0
4/30/20 14:45	12.91	233	10.52	11.27	29.29	0
4/30/20 15:00	8.91	227.1	21.68	11.83	29.3	0
4/30/20 15:15	15.32	238.9	17.86	12.86	29.3	0
4/30/20 15:30	17.65	247.6	14.13	12.54	29.3	0
4/30/20 15:45	17.11	237.9	11.98	12.97	29.3	0
4/30/20 16:00	15.05	248.9	11.31	13.16	29.29	0
4/30/20 16:15	17.03	254.9	8.52	12.61	29.29	0
4/30/20 16:30	13.72	248.5	10.08	12.23	29.29	0
4/30/20 16:45	10.9	239.8	12.07	12.16	29.29	0
4/30/20 17:00	11.86	253.7	9.49	12.36	29.29	0
4/30/20 17:15	11.83	246.7	14.59	12.18	29.29	0
4/30/20 17:30	13.87	243.1	15.67	12.05	29.29	0
4/30/20 17:45	13.41	253.2	12.03	12.08	29.29	0
4/30/20 18:00	11.41	238.4	12.57	12	29.29	0
4/30/20 18:15	12.94	239.7	10.65	11.68	29.29	0
4/30/20 18:30	11.59	238.5	10.12	11.27	29.29	0
4/30/20 18:45	8.76	239.7	10.93	10.89	29.29	0
4/30/20 19:00	9.72	246.8	9.92	10.76	29.3	0
4/30/20 19:15	5.909	228.4	13.42	10.5	29.3	0
4/30/20 19:30	4.467	203.1	19.52	10.51	29.3	0
4/30/20 19:45	7.217	228	14.21	10.45	29.3	0
4/30/20 20:00	8.61	236.4	9.91	10.27	29.31	0
4/30/20 20:15	8.19	229.4	11.82	10.18	29.31	0
4/30/20 20:30	8.14	227	9.23	9.9	29.31	0
4/30/20 20:45	7.322	236.1	8.79	9.88	29.31	0
4/30/20 21:00	3.518	194.8	27.64	9.68	29.34	0
4/30/20 21:15	5.801	183.2	13.19	9.66	29.34	0
4/30/20 21:30	4.757	185.5	13.3	9.68	29.34	0
4/30/20 21:45	4.124	168	18.36	9.36	29.34	0
4/30/20 22:00	6.601	198.6	11.2	9.34	29.33	0
4/30/20 22:15	5.356	211.7	8.7	9.23	29.33	0
4/30/20 22:30	4.038	199.4	6.246	9.25	29.33	0
4/30/20 22:45	3.094	191.8	6.632	9.06	29.33	0
4/30/20 23:00	3.44	184.8	4.411	8.89	29.32	0
4/30/20 23:15	3.038	172.7	18.8	8.68	29.32	0
4/30/20 23:30	1.673	169.1	26.29	8.62	29.32	0
4/30/20 23:45	1.834	122.6	12.98	8.6	29.32	0
5/1/20 0:00	1.634	133.9	15.86	8.29	29.3	0
5/1/20 0:15	1.839	195.3	19.07	8.74	29.3	0
5/1/20 0:30	3.141	174	13.13	8.61	29.3	0
5/1/20 0:45	3.799	149.1	9.23	7.926	29.3	0
5/1/20 1:00	3.488	127.3	6.199	7.869	29.3	0
5/1/20 1:15	3.064	125	5.905	7.468	29.3	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/1/20 1:30	3.304	127.3	5.19	7.658	29.3	0
5/1/20 1:45	2.474	117.6	15.63	7.62	29.3	0
5/1/20 2:00	0.652	66.28	3.129	7.15	29.29	0
5/1/20 2:15	1.566	162.2	5.237	6.967	29.29	0
5/1/20 2:30	3.438	152.2	7.409	7.144	29.29	0
5/1/20 2:45	2.245	109.4	14.22	6.948	29.29	0
5/1/20 3:00	2.174	131.9	14.49	6.352	29.29	0
5/1/20 3:15	2.457	151.6	12.48	6.596	29.29	0
5/1/20 3:30	1.758	75.56	7.803	6.245	29.29	0
5/1/20 3:45	1.07	77.43	5.538	6.148	29.29	0
5/1/20 4:00	2.323	112.8	13.46	6.245	29.28	0
5/1/20 4:15	1.688	143.9	7.901	5.953	29.28	0
5/1/20 4:30	0.217	133	1.308	6.089	29.28	0
5/1/20 4:45	0.67	91.2	15.36	6.226	29.28	0
5/1/20 5:00	2.845	176.6	27.71	6.109	29.28	0
5/1/20 5:15	5.393	174.8	8.12	5.798	29.28	0
5/1/20 5:30	3.467	144.6	12.63	5.138	29.28	0
5/1/20 5:45	3.658	123.6	12.12	6.089	29.28	0
5/1/20 6:00	2.919	115.4	11.94	7.271	29.27	0
5/1/20 6:15	1.818	111.1	39.3	7.291	29.27	0
5/1/20 6:30	3.15	184	14.5	6.791	29.27	0
5/1/20 6:45	2.976	160.7	10.68	7.719	29.27	0
5/1/20 7:00	3.791	173.7	12.36	7.601	29.25	0
5/1/20 7:15	2.936	113.4	15.68	8.45	29.25	0
5/1/20 7:30	2.878	116.2	13.75	9	29.25	0
5/1/20 7:45	3.125	128	19.47	9.57	29.25	0
5/1/20 8:00	3.825	128.7	17.22	9.87	29.25	0
5/1/20 8:15	3.855	98	27.27	10.51	29.25	0
5/1/20 8:30	3.478	105.5	25.24	10.85	29.25	0
5/1/20 8:45	3.009	119.4	35.24	11.84	29.25	0
5/1/20 9:00	2.655	111.9	25.53	12.44	29.23	0
5/1/20 9:15	3.995	111	20.83	12.76	29.23	0
5/1/20 9:30	3.384	215.3	44.4	13.54	29.23	0
5/1/20 9:45	5.982	226.6	15.85	13.25	29.23	0
5/1/20 10:00	5.889	230.9	23.3	14.16	29.25	0
5/1/20 10:15	6.749	240.1	22.37	14	29.25	0
5/1/20 10:30	4.141	214.2	35.19	14.41	29.25	0
5/1/20 10:45	4.316	217.8	45.74	14.98	29.25	0
5/1/20 11:00	3.78	214.2	37.51	15.03	29.24	0
5/1/20 11:15	3.597	183.7	40.2	15.33	29.24	0
5/1/20 11:30	4.849	189.8	62.33	15.86	29.24	0
5/1/20 11:45	5.08	218.6	26.41	16.42	29.24	0
5/1/20 12:00	8.51	216.5	30.01	16.81	29.21	0
5/1/20 12:15	7.111	194.1	26.86	16.82	29.21	0
5/1/20 12:30	7.411	250.5	19.3	16.9	29.21	0
5/1/20 12:45	6.019	265.5	42.13	17.04	29.21	0
5/1/20 13:00	4.335	244.5	44.69	16.92	29.22	0
5/1/20 13:15	5.465	243.2	22.16	17.59	29.22	0
5/1/20 13:30	5.248	238.1	42.33	17.76	29.22	0
5/1/20 13:45	3.699	266	59.2	18.15	29.22	0
5/1/20 14:00	5.384	222	23.63	17.62	29.2	0
5/1/20 14:15	6.041	269.6	17.34	17.34	29.2	0
5/1/20 14:30	7.681	244.5	14.78	17.05	29.2	0
5/1/20 14:45	6.319	333.1	59.74	16.86	29.2	0
5/1/20 15:00	2.554	217.9	53.41	17.19	29.2	0
5/1/20 15:15	2.566	301.9	27.2	17.42	29.2	0
5/1/20 15:30	5.311	274.4	18.71	17.15	29.2	0
5/1/20 15:45	5.108	275.1	15.64	17.12	29.2	0
5/1/20 16:00	5.886	289.1	13.37	17	29.18	0
5/1/20 16:15	5.034	307.4	22.39	17.01	29.18	0
5/1/20 16:30	5.455	317.8	11.11	17.29	29.18	0
5/1/20 16:45	3.822	291.4	30.39	17.89	29.18	0
5/1/20 17:00	2.818	297	39.36	18.09	29.2	0
5/1/20 17:15	4.771	267.7	32.03	18.09	29.2	0
5/1/20 17:30	6.312	263.5	23.28	17.79	29.2	0
5/1/20 17:45	5.704	258.2	13.51	16.97	29.2	0
5/1/20 18:00	6.435	282.8	6.782	16.45	29.17	0
5/1/20 18:15	6.055	297.3	8.79	16.2	29.17	0
5/1/20 18:30	4.783	279.5	13.52	15.84	29.17	0
5/1/20 18:45	5.898	268.6	21.4	15.93	29.17	0
5/1/20 19:00	6.374	260.2	8.63	15.35	29.18	0
5/1/20 19:15	5.264	254.4	6.961	15.17	29.18	0
5/1/20 19:30	5.901	259.4	10.44	15.09	29.18	0
5/1/20 19:45	2.128	252.2	26.68	14.64	29.18	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/1/20 20:00	1.65	62.57	61.61	14.53	29.17	0
5/1/20 20:15	0.21	17.85	9.19	14.4	29.17	0
5/1/20 20:30	2.037	298.6	39.17	14.44	29.17	0
5/1/20 20:45	2.718	318.4	9.03	14.23	29.17	0
5/1/20 21:00	2.238	323.4	27.07	13.81	29.19	0
5/1/20 21:15	2.87	37.81	14.38	13.29	29.19	0
5/1/20 21:30	2.494	55.76	6.439	13.43	29.19	0
5/1/20 21:45	3.38	70.55	5.336	13.36	29.19	0
5/1/20 22:00	3.078	91.4	7.378	11.84	29.15	0
5/1/20 22:15	0.653	83.5	36.59	12.76	29.15	0
5/1/20 22:30	3.1	199.5	18.44	12.84	29.15	0
5/1/20 22:45	2.183	35.62	20	12.23	29.15	0
5/1/20 23:00	2.53	349.7	16.91	12.32	29.16	0
5/1/20 23:15	0.925	350.9	10.99	12.28	29.16	0
5/1/20 23:30	1.889	74.29	27.28	12.17	29.16	0
5/1/20 23:45	2.256	115	21.86	10.71	29.16	0
5/2/20 0:00	1.004	69.76	42.24	11.46	29.14	0
5/2/20 0:15	2.132	144.6	31.59	11.3	29.14	0
5/2/20 0:30	0.817	36.5	22.92	11.57	29.14	0
5/2/20 0:45	0.719	87.5	29.28	11.62	29.14	0
5/2/20 1:00	3.435	188	26.56	11.44	29.1	0
5/2/20 1:15	6.478	195.6	12.09	11.07	29.1	0
5/2/20 1:30	7.36	169.6	18.73	10.71	29.1	0
5/2/20 1:45	4.007	76.91	43.35	10.85	29.1	0
5/2/20 2:00	4.518	193.2	41.02	10.46	29.08	0
5/2/20 2:15	6.606	137.4	14.28	10.84	29.08	0
5/2/20 2:30	5.32	179.9	40.38	10.87	29.08	0
5/2/20 2:45	5.68	182.9	12.87	10.97	29.08	0
5/2/20 3:00	8.12	200.2	21.1	10.84	29.11	0.01
5/2/20 3:15	8.17	182.2	25.61	9.83	29.11	0.05
5/2/20 3:30	6.584	72.38	17.85	9.08	29.11	0.04
5/2/20 3:45	6.011	92.2	24.61	9.56	29.11	0
5/2/20 4:00	6.949	87.4	9.37	10.02	29.07	0
5/2/20 4:15	6.913	87.2	15.97	10.45	29.07	0.01
5/2/20 4:30	5.19	99.7	16.42	10.81	29.07	0
5/2/20 4:45	4.203	72.21	7.064	10.61	29.07	0
5/2/20 5:00	5.675	109.2	59.57	10.69	29.04	0
5/2/20 5:15	4.738	68.63	16.06	9.85	29.04	0
5/2/20 5:30	4.709	62.71	7.62	9.92	29.04	0
5/2/20 5:45	3.948	121.3	39.67	10.87	29.04	0
5/2/20 6:00	3.061	94.4	46.61	10.63	29.03	0
5/2/20 6:15	5.722	144.9	15.83	11.89	29.03	0.01
5/2/20 6:30	2.861	100.9	23.14	11.54	29.03	0
5/2/20 6:45	3.904	162	30.13	11.87	29.03	0
5/2/20 7:00	2.843	63.21	37.33	11.62	29	0
5/2/20 7:15	1.661	54.67	41	11.36	29	0
5/2/20 7:30	3.516	31.42	19.9	11.46	29	0
5/2/20 7:45	3.872	345.4	34.77	11.51	29	0
5/2/20 8:00	3.183	295.4	21.29	12.12	28.98	0
5/2/20 8:15	3.542	11.48	20.95	12	28.98	0
5/2/20 8:30	3.568	27.39	21.53	11.76	28.98	0
5/2/20 8:45	0.973	335.1	65.29	12.5	28.98	0
5/2/20 9:00	1.961	18.27	42.72	13.03	28.95	0
5/2/20 9:15	1.907	48.28	61.46	13.77	28.95	0
5/2/20 9:30	2.43	201.7	31.32	14.57	28.95	0
5/2/20 9:45	3.042	147.6	32.67	15.08	28.95	0
5/2/20 10:00	2.118	210.3	51.83	15.45	28.94	0
5/2/20 10:15	6.279	271.8	10.03	14.1	28.94	0
5/2/20 10:30	4.736	288.8	8.38	13.92	28.94	0
5/2/20 10:45	14.75	279.3	6.792	13.71	28.94	0.01
5/2/20 11:00	13.98	282.5	6.778	11.93	28.99	0.02
5/2/20 11:15	4.359	28.21	65.86	11.79	28.99	0.01
5/2/20 11:30	3.102	23.16	20.15	11.73	28.99	0.01
5/2/20 11:45	2.364	30.63	23.22	12	28.99	0.01
5/2/20 12:00	3.166	332.2	12.3	12.12	28.96	0.01
5/2/20 12:15	2.647	73.17	27.59	12.02	28.96	0.02
5/2/20 12:30	4.782	74.81	10.63	12.18	28.96	0.01
5/2/20 12:45	3.168	99.1	37.88	12.55	28.96	0
5/2/20 13:00	3.316	188.4	24.68	12.74	28.97	0.01
5/2/20 13:15	4.227	228.4	8.45	12.58	28.97	0.02
5/2/20 13:30	5.823	216.2	13.86	12.4	28.97	0.03
5/2/20 13:45	6.958	197.8	10.27	12.32	28.97	0.02
5/2/20 14:00	11.7	198.7	14.89	12.82	29.03	0.01
5/2/20 14:15	12.71	188.4	10.43	12.68	29.03	0.01

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/2/20 14:30	17	198.4	10.13	12.57	29.03	0.02
5/2/20 14:45	17.57	215.9	14.76	12.23	29.03	0.01
5/2/20 15:00	22.5	214.9	11.78	11.99	29.05	0.02
5/2/20 15:15	15.15	201.7	8.56	11.2	29.05	0
5/2/20 15:30	11.92	205.4	9.94	10.99	29.05	0
5/2/20 15:45	11.64	200.8	8.78	10.85	29.05	0
5/2/20 16:00	11.84	210.8	8.59	10.96	29.09	0
5/2/20 16:15	12.09	206.1	9.35	10.89	29.09	0
5/2/20 16:30	12.55	203	9.22	10.96	29.09	0
5/2/20 16:45	8.93	205.9	10.31	11.34	29.09	0
5/2/20 17:00	6.239	209.6	16.36	11.22	29.07	0
5/2/20 17:15	6.651	209.6	13.34	11.27	29.07	0
5/2/20 17:30	7.93	213.7	14.52	11.2	29.07	0.02
5/2/20 17:45	8.76	210	8.45	10.66	29.07	0.02
5/2/20 18:00	7.733	196.2	9.47	10.15	29.11	0.01
5/2/20 18:15	13.51	245.5	16.95	10.35	29.11	0.06
5/2/20 18:30	9.05	223.3	9.79	8.81	29.11	0.02
5/2/20 18:45	7.241	200.5	14.29	8.85	29.11	0.01
5/2/20 19:00	8.14	185.1	7.828	8.84	29.15	0
5/2/20 19:15	7.694	162.3	12.98	8.79	29.15	0
5/2/20 19:30	7.444	155.8	7.4	8.52	29.15	0
5/2/20 19:45	8.1	151.4	9.44	8.3	29.15	0
5/2/20 20:00	8.31	157.3	8.12	8.3	29.18	0
5/2/20 20:15	7.857	170.4	9.44	8.32	29.18	0
5/2/20 20:30	7.351	176.8	8.65	8.14	29.18	0
5/2/20 20:45	10.07	188.6	7.83	8.3	29.18	0
5/2/20 21:00	11.59	195.9	9.52	8.2	29.18	0
5/2/20 21:15	13.06	207.8	7.475	8.18	29.18	0
5/2/20 21:30	12.34	192.8	8.2	7.849	29.18	0
5/2/20 21:45	12.9	203.7	9.32	7.693	29.18	0
5/2/20 22:00	9.4	191.5	10.91	7.517	29.21	0
5/2/20 22:15	6.578	175.1	21.02	7.164	29.21	0
5/2/20 22:30	4.068	138.8	15.34	6.715	29.21	0
5/2/20 22:45	4.874	148.4	11.91	6.473	29.21	0
5/2/20 23:00	5.239	150.2	13.13	6.192	29.22	0
5/2/20 23:15	4.804	155	8.29	6.147	29.22	0
5/2/20 23:30	5.689	149.4	8.49	6.42	29.22	0.01
5/2/20 23:45	6.308	181.9	21.5	6.694	29.22	0
5/3/20 0:00	6.582	179.5	12.91	6.615	29.26	0
5/3/20 0:15	4.6	151.5	12.62	6.273	29.26	0
5/3/20 0:30	5.977	149.1	9.11	6.108	29.26	0
5/3/20 0:45	6.651	174.4	13.18	6.644	29.26	0
5/3/20 1:00	7.444	176.6	14.06	6.674	29.25	0
5/3/20 1:15	6.717	193	13.75	6.488	29.25	0
5/3/20 1:30	7.248	177.9	12.36	6.361	29.25	0
5/3/20 1:45	6.957	176	12.21	6.283	29.25	0
5/3/20 2:00	7.283	169.7	8.22	6.137	29.3	0
5/3/20 2:15	8.04	167.8	12.05	6.078	29.3	0
5/3/20 2:30	7.347	185.5	10.03	6.078	29.3	0.01
5/3/20 2:45	7.173	175.4	15.1	5.903	29.3	0.01
5/3/20 3:00	7.529	148.8	10.18	5.63	29.31	0
5/3/20 3:15	7.437	144.1	8.35	5.544	29.31	0
5/3/20 3:30	8.28	150.6	7.709	5.525	29.31	0
5/3/20 3:45	6.93	138.5	9.83	5.564	29.31	0
5/3/20 4:00	6.609	144.1	8.98	5.555	29.31	0
5/3/20 4:15	7.216	148.2	8.75	5.506	29.31	0
5/3/20 4:30	7.698	154.1	6.652	5.419	29.31	0
5/3/20 4:45	8.74	159.8	8.62	5.632	29.31	0
5/3/20 5:00	10.25	169.8	6.614	5.934	29.34	0
5/3/20 5:15	10.96	199.6	17.14	6.109	29.34	0
5/3/20 5:30	12.16	209.4	10.52	6.012	29.34	0.01
5/3/20 5:45	11.95	193.5	8.95	5.584	29.34	0.01
5/3/20 6:00	10.82	186.4	7.451	5.399	29.38	0
5/3/20 6:15	9.4	167.9	9.08	5.312	29.38	0
5/3/20 6:30	9.67	166.1	6.965	5.293	29.38	0
5/3/20 6:45	8.99	159	7.463	5.312	29.38	0
5/3/20 7:00	9.4	162	8.12	5.632	29.39	0
5/3/20 7:15	8.78	170.7	13.87	5.739	29.39	0
5/3/20 7:30	7.174	140.4	20.9	6.206	29.39	0
5/3/20 7:45	8.1	148.8	18.22	6.206	29.39	0
5/3/20 8:00	11.71	146.9	10.56	6.148	29.41	0.01
5/3/20 8:15	11.48	141.8	8.65	5.66	29.41	0.02
5/3/20 8:30	9.7	140.3	9.65	5.523	29.41	0.01
5/3/20 8:45	8.44	137.2	10.32	6.225	29.41	0.01

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/3/20 9:00	7.97	128.1	10.91	7.516	29.44	0
5/3/20 9:15	8.42	130.5	11.38	8.01	29.44	0
5/3/20 9:30	10.56	140.8	12.49	8.48	29.44	0
5/3/20 9:45	10.81	153.6	12.71	8.76	29.44	0
5/3/20 10:00	10.68	159.5	8.52	9.39	29.45	0
5/3/20 10:15	10.43	174.4	12.47	9.51	29.45	0
5/3/20 10:30	13.07	170.6	9.64	9.57	29.45	0
5/3/20 10:45	10.95	175.5	13.64	10.04	29.45	0
5/3/20 11:00	8.09	187.7	13.96	10.26	29.44	0
5/3/20 11:15	7.103	190.8	18.68	10.31	29.44	0
5/3/20 11:30	10.75	178.5	13.04	11.07	29.44	0
5/3/20 11:45	12.64	189.1	18.12	11.3	29.44	0
5/3/20 12:00	13.17	193.8	14.73	11.77	29.44	0
5/3/20 12:15	10.73	203.8	27.05	12.5	29.44	0
5/3/20 12:30	11.95	220.7	13.05	12.33	29.44	0
5/3/20 12:45	11.13	224.1	17.91	11.94	29.44	0
5/3/20 13:00	12.34	249	13.27	11.35	29.44	0
5/3/20 13:15	12.08	231.7	13.77	11.21	29.44	0
5/3/20 13:30	12.87	216.1	8.36	11.18	29.44	0
5/3/20 13:45	8.62	205.9	8.61	11.2	29.44	0
5/3/20 14:00	11.23	202.5	12.02	12.01	29.43	0
5/3/20 14:15	10.22	214.7	17.94	12.82	29.43	0
5/3/20 14:30	8.15	204.9	21.64	13.11	29.43	0
5/3/20 14:45	9.39	226.4	21.17	12.83	29.43	0
5/3/20 15:00	12.57	228.7	16.36	12.32	29.44	0
5/3/20 15:15	13.51	244.7	10.26	11.87	29.44	0
5/3/20 15:30	8.14	258	13.9	11.46	29.44	0
5/3/20 15:45	4.957	220.2	28.56	12.35	29.44	0
5/3/20 16:00	3.765	217.5	62.73	12.93	29.44	0
5/3/20 16:15	10.32	229.2	14.64	12.86	29.44	0
5/3/20 16:30	12.65	209.5	15.5	12.65	29.44	0
5/3/20 16:45	12.41	207.9	14.16	12.49	29.44	0
5/3/20 17:00	13.63	199.4	14	12.49	29.45	0
5/3/20 17:15	13.31	199.6	11.93	12.22	29.45	0
5/3/20 17:30	12.54	193	15.08	11.62	29.45	0
5/3/20 17:45	11.8	173.5	9.49	11.24	29.45	0
5/3/20 18:00	9.77	169.2	12.02	11.09	29.46	0
5/3/20 18:15	9.14	149.4	17.55	10.26	29.46	0
5/3/20 18:30	9.18	136.1	6.684	9.75	29.46	0
5/3/20 18:45	6.205	123.7	10.77	9.51	29.46	0
5/3/20 19:00	4.829	123.4	8.75	9.12	29.44	0
5/3/20 19:15	5.221	120.2	7.192	8.77	29.44	0
5/3/20 19:30	5.277	117.8	7.187	8.75	29.44	0
5/3/20 19:45	3.537	108.1	10.93	8.61	29.44	0
5/3/20 20:00	4.997	110.1	6.429	8.57	29.44	0
5/3/20 20:15	5.606	120.3	10.89	8.5	29.44	0
5/3/20 20:30	5.699	135.4	10.16	8.17	29.44	0
5/3/20 20:45	3.825	105.5	12.58	8.26	29.44	0
5/3/20 21:00	2.506	102.7	11.9	7.495	29.47	0
5/3/20 21:15	3.007	109.7	7.034	7.555	29.47	0
5/3/20 21:30	4.293	152.4	16.22	7.717	29.47	0
5/3/20 21:45	4.124	151.5	14.15	7.719	29.47	0
5/3/20 22:00	3.408	143.5	16.43	7.414	29.43	0
5/3/20 22:15	4.235	145.3	13.71	7.112	29.43	0
5/3/20 22:30	4.205	142.1	9	6.995	29.43	0
5/3/20 22:45	2.054	126.2	12.03	6.957	29.43	0
5/3/20 23:00	2.799	133.9	9.31	6.683	29.45	0
5/3/20 23:15	2.004	121.9	14.58	6.147	29.45	0
5/3/20 23:30	2.766	147.4	13.09	6.489	29.45	0
5/3/20 23:45	3.465	144.7	9.93	6.479	29.45	0
5/4/20 0:00	1.767	116.3	18.59	5.749	29.45	0
5/4/20 0:15	3.392	99.8	5.679	6.489	29.45	0
5/4/20 0:30	3.829	108.1	5.412	6.44	29.45	0
5/4/20 0:45	3.122	116.5	6.629	6.148	29.45	0
5/4/20 1:00	3.943	142	5.58	6.46	29.45	0
5/4/20 1:15	3.077	135.8	9.6	6.089	29.45	0
5/4/20 1:30	3.218	133	6.257	5.603	29.45	0
5/4/20 1:45	3.036	121.2	3.128	5.545	29.45	0
5/4/20 2:00	3.208	115.5	2.179	5.312	29.43	0
5/4/20 2:15	3.884	139.7	12.77	5.39	29.43	0
5/4/20 2:30	4.504	144.9	5.061	5.37	29.43	0
5/4/20 2:45	4.038	139	5.147	5.438	29.43	0
5/4/20 3:00	3.514	124	7.839	5.603	29.42	0
5/4/20 3:15	3.957	106.1	11.74	5.409	29.42	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/4/20 3:30	4.223	139.4	11.02	5.545	29.42	0
5/4/20 3:45	3.997	139	9.93	5.564	29.42	0
5/4/20 4:00	3.701	129.6	13.38	5.545	29.4	0
5/4/20 4:15	5.073	163.4	10.84	5.196	29.4	0
5/4/20 4:30	3.466	130.7	12.36	5.196	29.4	0
5/4/20 4:45	2.834	102.7	18.84	4.344	29.4	0
5/4/20 5:00	3.145	99.5	14.03	4.596	29.4	0
5/4/20 5:15	2.559	79.65	4.238	4.596	29.4	0
5/4/20 5:30	2.324	78.1	0.685	5.38	29.4	0
5/4/20 5:45	1.875	58.57	15.76	5.39	29.4	0
5/4/20 6:00	3.154	11.89	19.27	4.692	29.39	0
5/4/20 6:15	3.537	315.4	23.18	5.681	29.39	0
5/4/20 6:30	2.9	275.4	9.1	6.537	29.39	0
5/4/20 6:45	2.176	346.2	25.63	7.192	29.39	0
5/4/20 7:00	2.024	334.4	24.67	7.66	29.38	0
5/4/20 7:15	2.802	165.5	44.4	8.5	29.38	0
5/4/20 7:30	1.331	154	26.27	9.14	29.38	0
5/4/20 7:45	1.595	138.5	42.3	10.39	29.38	0
5/4/20 8:00	2.29	84.6	32.91	10.1	29.37	0
5/4/20 8:15	2.31	73.02	17.78	10.33	29.37	0
5/4/20 8:30	1.144	48.03	17.59	10.67	29.37	0
5/4/20 8:45	1.887	3.375	22.74	11.24	29.37	0
5/4/20 9:00	2.781	18.8	31.51	11.47	29.36	0
5/4/20 9:15	1.928	346.8	70.12	12.88	29.36	0
5/4/20 9:30	1.627	312	54.3	12.77	29.36	0
5/4/20 9:45	1.791	314.5	61.9	12.78	29.36	0
5/4/20 10:00	2.045	19.93	32.57	13.68	29.35	0
5/4/20 10:15	2.076	334.6	28.87	13.96	29.35	0
5/4/20 10:30	1.92	355.8	38.6	14.8	29.35	0
5/4/20 10:45	1.68	354.9	76.02	15.63	29.35	0
5/4/20 11:00	3.43	252	40.16	15.35	29.33	0
5/4/20 11:15	2.862	174.6	50.38	16.33	29.33	0
5/4/20 11:30	4.528	86.5	27.34	16.57	29.33	0
5/4/20 11:45	4.537	357.7	27.49	16.37	29.33	0
5/4/20 12:00	4.378	323.4	24.45	17.62	29.33	0
5/4/20 12:15	2.859	337.2	60.43	17.59	29.33	0
5/4/20 12:30	2.386	14.18	59.37	18.22	29.33	0
5/4/20 12:45	2.709	93.9	94.9	18.31	29.33	0
5/4/20 13:00	4.344	302.7	39.64	18.63	29.32	0
5/4/20 13:15	7.081	290.9	22.43	18.69	29.32	0
5/4/20 13:30	6.198	298	13.08	18.56	29.32	0
5/4/20 13:45	5.572	289.2	18.04	18.67	29.32	0
5/4/20 14:00	4.076	284.2	20.01	18.63	29.31	0
5/4/20 14:15	3.736	308.6	21.08	19.09	29.31	0
5/4/20 14:30	3.035	274	26.39	19.25	29.31	0
5/4/20 14:45	5.331	283.5	14.97	18.74	29.31	0
5/4/20 15:00	6.999	283.5	8.95	18.32	29.3	0
5/4/20 15:15	8.9	286.5	11.43	18.2	29.3	0
5/4/20 15:30	6.555	298.4	13.18	17.47	29.3	0
5/4/20 15:45	7.772	272.5	10.55	17.36	29.3	0
5/4/20 16:00	7.269	303.3	19.27	16.93	29.31	0
5/4/20 16:15	2.759	354.6	21	16.87	29.31	0
5/4/20 16:30	4.155	294.5	11.59	16.77	29.31	0
5/4/20 16:45	3.254	270.1	31.74	17.24	29.31	0
5/4/20 17:00	5.068	249	16.9	17.6	29.32	0
5/4/20 17:15	10.08	258.9	10.58	17.13	29.32	0
5/4/20 17:30	12.29	260.7	9.74	16.31	29.32	0
5/4/20 17:45	8.74	249.6	15.07	15.74	29.32	0
5/4/20 18:00	8.65	224.3	12.24	15.52	29.35	0
5/4/20 18:15	9.92	221.6	9.49	15.24	29.35	0
5/4/20 18:30	5.312	246.3	13	15.12	29.35	0
5/4/20 18:45	3.675	233.3	11.37	14.97	29.35	0
5/4/20 19:00	3.66	304.9	18.7	14.81	29.32	0
5/4/20 19:15	7.778	284.8	9.64	14.22	29.32	0
5/4/20 19:30	8.09	267.7	8.25	13.57	29.32	0
5/4/20 19:45	4.563	259.2	9.01	13.32	29.32	0
5/4/20 20:00	3.797	242.3	13.91	13.19	29.35	0
5/4/20 20:15	4.862	234	10.26	13.08	29.35	0
5/4/20 20:30	7.527	226.8	11.04	12.98	29.35	0
5/4/20 20:45	4.346	220.3	17.29	12.77	29.35	0
5/4/20 21:00	3.274	175.7	11.87	12.5	29.36	0
5/4/20 21:15	3.368	167.1	11.78	12.16	29.36	0
5/4/20 21:30	3.043	142.9	11.39	12.06	29.36	0
5/4/20 21:45	2.305	133.2	13.32	12	29.36	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/4/20 22:00	3.871	101.8	10	12.12	29.37	0
5/4/20 22:15	3.038	105.7	8	12.12	29.37	0
5/4/20 22:30	2.398	111.7	9.74	12.16	29.37	0
5/4/20 22:45	1.484	167.5	22.87	12.25	29.37	0
5/4/20 23:00	0.637	138.5	13.46	12.32	29.37	0
5/4/20 23:15	1.409	239.1	10.04	12.32	29.37	0
5/4/20 23:30	1.99	254	29.16	12.54	29.37	0
5/4/20 23:45	3.482	28.05	10.87	11.87	29.37	0
5/5/20 0:00	2.467	7.233	25.04	11.19	29.37	0
5/5/20 0:15	2.265	332.9	11.5	11.52	29.37	0
5/5/20 0:30	3.896	321.2	7.816	11.28	29.37	0
5/5/20 0:45	3.791	318.1	10.49	11.12	29.37	0
5/5/20 1:00	5.57	295.1	7.386	10.97	29.38	0
5/5/20 1:15	7.766	303.2	9.04	10.89	29.38	0
5/5/20 1:30	4.921	315.8	10.03	10.63	29.38	0
5/5/20 1:45	3.494	303.5	12.44	10.67	29.38	0
5/5/20 2:00	2.594	291.6	22.34	10.65	29.39	0
5/5/20 2:15	2.906	296.3	15.97	10.53	29.39	0
5/5/20 2:30	3.92	314.2	9.95	10.55	29.39	0
5/5/20 2:45	2.25	10.55	22.61	10.39	29.39	0
5/5/20 3:00	1.718	22.84	12.94	10.05	29.36	0
5/5/20 3:15	0.645	52.19	8.05	9.97	29.36	0
5/5/20 3:30	0.107	56.29	1.532	10.27	29.36	0
5/5/20 3:45	1.246	279.9	28.08	10.29	29.36	0
5/5/20 4:00	0.837	351.7	21.1	10.47	29.37	0
5/5/20 4:15	0.488	310.1	5.313	10.53	29.37	0
5/5/20 4:30	1.543	350.9	24.21	10.44	29.37	0
5/5/20 4:45	3.471	292.1	12.04	10.02	29.37	0
5/5/20 5:00	4.024	278.7	7.764	9.88	29.38	0
5/5/20 5:15	2.982	298.3	10.15	9.78	29.38	0
5/5/20 5:30	3.127	325.4	12.34	9.72	29.38	0
5/5/20 5:45	2.145	8.92	14.38	9.54	29.38	0
5/5/20 6:00	2.379	6.71	13.92	9.94	29.37	0
5/5/20 6:15	4.993	19.19	11.84	10.14	29.37	0
5/5/20 6:30	2.685	2.686	14.63	10.39	29.37	0
5/5/20 6:45	3.569	14.71	12.5	10.59	29.37	0
5/5/20 7:00	7.058	11.16	13.95	10.77	29.35	0
5/5/20 7:15	6.875	11.2	12	11.51	29.35	0
5/5/20 7:30	6.287	5.088	17.36	12.1	29.35	0
5/5/20 7:45	7.655	9.29	18.75	12.43	29.35	0
5/5/20 8:00	8.06	8.16	13.44	12.92	29.35	0
5/5/20 8:15	7.586	7.113	20.22	13.29	29.35	0
5/5/20 8:30	7.281	25.43	11.94	13.22	29.35	0
5/5/20 8:45	7.158	34.85	14.03	13.45	29.35	0
5/5/20 9:00	6.311	24.49	18.22	13.85	29.31	0
5/5/20 9:15	7.385	28.7	13.58	14.63	29.31	0
5/5/20 9:30	7.209	22.85	12.38	14.43	29.31	0
5/5/20 9:45	7.685	18.78	15.59	15.43	29.31	0
5/5/20 10:00	8.1	25.05	14.55	15.33	29.3	0
5/5/20 10:15	9.43	22.14	10.72	15.87	29.3	0
5/5/20 10:30	10.28	22.43	12.64	16.02	29.3	0
5/5/20 10:45	8.89	25.43	12.43	16.53	29.3	0
5/5/20 11:00	9.04	25.99	15.96	16.95	29.27	0
5/5/20 11:15	9.21	28.71	10.58	17.26	29.27	0
5/5/20 11:30	8.58	26.95	11.13	17.46	29.27	0
5/5/20 11:45	8.6	25.26	17.8	17.94	29.27	0
5/5/20 12:00	8.25	24.03	15.68	18.33	29.26	0
5/5/20 12:15	7.476	22.67	19.01	18.66	29.26	0
5/5/20 12:30	5.634	3.45	36.33	19.26	29.26	0
5/5/20 12:45	8.57	303.4	12.98	20.12	29.26	0
5/5/20 13:00	7.852	305.3	18.77	20.07	29.24	0
5/5/20 13:15	5.038	314	37.58	20.36	29.24	0
5/5/20 13:30	7.035	305.2	24.11	20.64	29.24	0
5/5/20 13:45	9.29	279.4	21.03	20.69	29.24	0
5/5/20 14:00	11.61	264.4	10.67	20.7	29.23	0
5/5/20 14:15	10.36	270.4	10.25	20.16	29.23	0
5/5/20 14:30	9.08	273.1	13.13	20.81	29.23	0
5/5/20 14:45	10.56	258.4	16.4	20.59	29.23	0
5/5/20 15:00	10.77	253.9	8.84	20.26	29.22	0
5/5/20 15:15	9.05	258.5	9.77	20.47	29.22	0
5/5/20 15:30	8.05	283.6	14.22	20.69	29.22	0
5/5/20 15:45	5.631	264.4	22.38	20.68	29.22	0
5/5/20 16:00	5.379	281.4	15.61	20.61	29.21	0
5/5/20 16:15	6.617	283.7	11.51	20.56	29.21	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/5/20 16:30	4.898	263.7	20.76	20.86	29.21	0
5/5/20 16:45	5.242	286.7	27.14	20.92	29.21	0
5/5/20 17:00	6.106	275	10.42	21.03	29.19	0
5/5/20 17:15	4.623	289.8	19.56	20.72	29.19	0
5/5/20 17:30	5.436	296.7	12.49	20.37	29.19	0
5/5/20 17:45	5.782	278.8	17.77	20.36	29.19	0
5/5/20 18:00	6.514	117.3	78.9	20.19	29.2	0.01
5/5/20 18:15	6.7	145.8	19.35	17.36	29.2	0.02
5/5/20 18:30	6.312	55.86	21.57	17.07	29.2	0
5/5/20 18:45	5.36	60.61	6.444	15.03	29.2	0
5/5/20 19:00	3.455	74.32	10.5	15.63	29.19	0
5/5/20 19:15	3.434	160.6	38.26	16.66	29.19	0
5/5/20 19:30	7.941	216	23.69	15.15	29.19	0
5/5/20 19:45	5.239	282.9	14.86	15.18	29.19	0
5/5/20 20:00	1.22	67.47	54.75	14.5	29.19	0
5/5/20 20:15	4.044	241.9	19.15	14.51	29.19	0
5/5/20 20:30	6.811	232.1	8.54	14.53	29.19	0.01
5/5/20 20:45	7.205	193.5	35.67	14.05	29.19	0.02
5/5/20 21:00	2.607	156.9	25.12	13.02	29.22	0
5/5/20 21:15	3.305	169.1	15.82	13.21	29.22	0
5/5/20 21:30	4.795	191.6	26.3	13.28	29.22	0
5/5/20 21:45	6.874	222.6	17.38	12.98	29.22	0
5/5/20 22:00	6.648	209.3	23.97	12.71	29.26	0.02
5/5/20 22:15	6.101	214.6	18.76	11.99	29.26	0
5/5/20 22:30	9.44	241.5	12.16	11.82	29.26	0.01
5/5/20 22:45	8.8	213.7	22.15	11.14	29.26	0.04
5/5/20 23:00	3.953	169.1	35.9	10.78	29.27	0
5/5/20 23:15	3.924	176.6	21.7	10.95	29.27	0
5/5/20 23:30	5.287	191.2	23.52	10.98	29.27	0
5/5/20 23:45	3.715	197.6	24.4	10.87	29.27	0
5/6/20 0:00	3.094	219.1	30.12	10.93	29.3	0
5/6/20 0:15	3.081	199.6	23.6	10.87	29.3	0
5/6/20 0:30	3.345	205.9	8.3	10.81	29.3	0
5/6/20 0:45	4.296	207.2	19.76	10.77	29.3	0
5/6/20 1:00	6.319	170.3	12.07	10.41	29.3	0
5/6/20 1:15	8.24	182.8	13.87	10.17	29.3	0
5/6/20 1:30	7.495	197.9	10.95	10.2	29.3	0
5/6/20 1:45	6.089	166.9	9.98	9.86	29.3	0
5/6/20 2:00	6.523	196.2	8.12	9.84	29.31	0
5/6/20 2:15	9.53	186.5	11.09	10	29.31	0
5/6/20 2:30	14.38	191.9	11.73	9.7	29.31	0.01
5/6/20 2:45	15.4	209.9	9.97	8.47	29.31	0.01
5/6/20 3:00	10.47	182.6	11.06	7.759	29.34	0.01
5/6/20 3:15	9.71	151.7	11.25	7.493	29.34	0.01
5/6/20 3:30	8.86	137.3	6.838	7.132	29.34	0.01
5/6/20 3:45	7.432	150.7	10.88	7.104	29.34	0
5/6/20 4:00	9.04	160.9	7.344	7.155	29.37	0
5/6/20 4:15	10.86	163.9	7.048	7.186	29.37	0
5/6/20 4:30	11.42	177.3	10.08	7.353	29.37	0.01
5/6/20 4:45	11.87	190.9	8.92	7.383	29.37	0
5/6/20 5:00	13.4	192.2	8.2	7.305	29.38	0
5/6/20 5:15	13.51	197.2	8.27	7.333	29.38	0
5/6/20 5:30	13.26	194.4	8.24	7.304	29.38	0
5/6/20 5:45	11.28	188.7	9.56	7.265	29.38	0
5/6/20 6:00	11.66	175.3	10.78	7.285	29.39	0
5/6/20 6:15	9.31	177.7	10.97	7.441	29.39	0
5/6/20 6:30	13.31	184.2	12.5	7.735	29.39	0
5/6/20 6:45	12.35	202.2	13.82	8.01	29.39	0
5/6/20 7:00	12.12	199.6	14.34	8.24	29.44	0
5/6/20 7:15	10.47	204.1	16.37	8.38	29.44	0
5/6/20 7:30	8	204	16.43	8.36	29.44	0
5/6/20 7:45	5.817	205.6	21.47	8.78	29.44	0
5/6/20 8:00	7.022	207.8	18.68	8.7	29.47	0
5/6/20 8:15	10.24	202	12.53	9.2	29.47	0
5/6/20 8:30	10.41	220.8	16.01	9.33	29.47	0
5/6/20 8:45	9.15	258.9	20.45	9.44	29.47	0
5/6/20 9:00	15.4	253.4	8.72	9.49	29.5	0
5/6/20 9:15	12.71	260.6	9.83	9.64	29.5	0
5/6/20 9:30	12.43	259.3	10.38	10.31	29.5	0
5/6/20 9:45	14.55	242.3	14.7	11.03	29.5	0
5/6/20 10:00	15.32	245	11.31	11.58	29.49	0
5/6/20 10:15	15.03	237	11.79	11.64	29.49	0
5/6/20 10:30	15.54	240.7	11.52	12.11	29.49	0
5/6/20 10:45	16.93	234	14.52	12.42	29.49	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/6/20 11:00	14.85	235.8	16.54	12.17	29.52	0
5/6/20 11:15	9.91	293.5	85.9	12.02	29.52	0
5/6/20 11:30	5.913	37.38	23.04	8.73	29.52	0
5/6/20 11:45	4.092	28.07	12.38	8.98	29.52	0.01
5/6/20 12:00	4.524	48.08	16.18	9.44	29.54	0
5/6/20 12:15	5.597	35.89	9.69	8.85	29.54	0
5/6/20 12:30	6.332	34.54	9.62	8.71	29.54	0.01
5/6/20 12:45	2.783	15.16	57.15	11.6	29.54	0
5/6/20 13:00	6.794	238.8	23.44	13	29.58	0
5/6/20 13:15	10.6	227.5	14.96	13.28	29.58	0
5/6/20 13:30	9.99	253.8	21.69	12.78	29.58	0
5/6/20 13:45	10.01	297	45.73	12.72	29.58	0
5/6/20 14:00	11.52	36.25	20.34	11	29.58	0
5/6/20 14:15	9.77	46.64	18.61	10.33	29.58	0
5/6/20 14:30	5.824	52.84	15.38	11.14	29.58	0
5/6/20 14:45	5.717	110.8	71.13	12.71	29.58	0
5/6/20 15:00	11.55	252	14.91	13.05	29.58	0
5/6/20 15:15	9.8	239.3	21.29	13.31	29.58	0
5/6/20 15:30	10.15	240	12.48	13.65	29.58	0
5/6/20 15:45	7.821	244.7	16.41	13.44	29.58	0
5/6/20 16:00	4.891	343.4	41.76	13.35	29.59	0
5/6/20 16:15	4.106	11.11	27.96	12.46	29.59	0
5/6/20 16:30	4.808	29.75	9.24	12.26	29.59	0
5/6/20 16:45	5.731	23.61	7.972	12	29.59	0
5/6/20 17:00	5.979	10.43	25.28	11.58	29.59	0
5/6/20 17:15	10.24	26.55	10.66	11	29.59	0
5/6/20 17:30	8.81	31.88	9.3	10.89	29.59	0
5/6/20 17:45	6.056	41.21	13.46	11.26	29.59	0
5/6/20 18:00	5.829	51.37	15.51	11.61	29.62	0
5/6/20 18:15	5.286	47.24	11.9	11.65	29.62	0
5/6/20 18:30	5.578	40.58	11.93	11.02	29.62	0
5/6/20 18:45	5.402	35.18	24.66	10.75	29.62	0
5/6/20 19:00	8.16	19.68	25.8	10.53	29.63	0
5/6/20 19:15	7.947	55.33	15.33	9.84	29.63	0
5/6/20 19:30	7.148	40.57	8.08	9.01	29.63	0
5/6/20 19:45	6.889	46.1	7.053	8.96	29.63	0
5/6/20 20:00	3.419	71.56	14.98	8.89	29.64	0
5/6/20 20:15	3.672	71.68	24.6	9.46	29.64	0
5/6/20 20:30	4.196	73.56	16.84	9.07	29.64	0
5/6/20 20:45	5.542	70.49	15.55	9.35	29.64	0
5/6/20 21:00	5.736	70.67	18.44	9.37	29.64	0
5/6/20 21:15	3.409	78.73	20.97	9.39	29.64	0
5/6/20 21:30	2.383	89.4	30.28	9.47	29.64	0
5/6/20 21:45	2.326	120.5	27.12	9.64	29.64	0
5/6/20 22:00	2.803	143.3	26.67	9.45	29.64	0
5/6/20 22:15	2.419	178.6	24.28	8.95	29.64	0
5/6/20 22:30	1.522	108.3	73.92	8.76	29.64	0
5/6/20 22:45	1.265	79.09	29.49	8.56	29.64	0
5/6/20 23:00	2.477	49.23	21.51	8.49	29.66	0
5/6/20 23:15	1.909	61.77	53.91	8.48	29.66	0
5/6/20 23:30	1.66	71.34	26.64	8.44	29.66	0
5/6/20 23:45	2.288	24.68	31.3	8.41	29.66	0
5/7/20 0:00	2.689	160.8	50.95	7.934	29.66	0
5/7/20 0:15	2.457	112.1	23.07	7.189	29.66	0
5/7/20 0:30	2.481	104.2	5.324	6.021	29.66	0
5/7/20 0:45	2.179	108.3	19.04	6.557	29.66	0
5/7/20 1:00	1.282	111.5	31.96	6.333	29.67	0
5/7/20 1:15	1.582	125.7	41.31	6.265	29.67	0
5/7/20 1:30	1.845	74.44	18.81	6.148	29.67	0
5/7/20 1:45	2.135	108.5	7.321	6.255	29.67	0
5/7/20 2:00	2.12	86.9	8.02	6.235	29.66	0
5/7/20 2:15	2.775	59.63	13.81	5.681	29.66	0
5/7/20 2:30	2.654	46.34	16.85	6.031	29.66	0
5/7/20 2:45	2.428	66.29	13.95	5.312	29.66	0
5/7/20 3:00	1.428	67.46	12.7	5.08	29.65	0
5/7/20 3:15	2.124	57.46	29.34	4.915	29.65	0
5/7/20 3:30	2.82	53.42	29.6	4.266	29.65	0
5/7/20 3:45	2.58	80.1	12.2	4.131	29.65	0
5/7/20 4:00	3.496	64.83	11.36	4.016	29.65	0
5/7/20 4:15	3.142	80.9	16.95	4.035	29.65	0
5/7/20 4:30	3.122	77.72	15.93	3.871	29.65	0
5/7/20 4:45	3.826	56.52	12.83	3.862	29.65	0
5/7/20 5:00	3.014	48.52	10.6	3.399	29.64	0
5/7/20 5:15	2.7	51.94	13.02	3.37	29.64	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/7/20 5:30	3.224	50.72	7.243	3.698	29.64	0
5/7/20 5:45	3.408	29.05	11.21	4.151	29.64	0
5/7/20 6:00	3.399	21.99	10.67	4.422	29.64	0
5/7/20 6:15	3.105	42.83	10.74	4.344	29.64	0.01
5/7/20 6:30	3.464	36.25	14.08	4.489	29.64	0
5/7/20 6:45	4.763	31.33	9.88	5.273	29.64	0
5/7/20 7:00	5.43	25.85	9.59	6.235	29.63	0
5/7/20 7:15	5.863	32.65	12.31	6.526	29.63	0
5/7/20 7:30	6.89	36.28	7.676	6.719	29.63	0
5/7/20 7:45	7.216	35.19	10.28	7.46	29.63	0
5/7/20 8:00	7.335	19.36	8.85	8.68	29.61	0
5/7/20 8:15	8.36	23.8	11.19	9.24	29.61	0
5/7/20 8:30	9.36	27.3	12.52	9.71	29.61	0
5/7/20 8:45	13.89	20.08	10.6	10.53	29.61	0
5/7/20 9:00	13.23	26.3	11.43	10.45	29.6	0
5/7/20 9:15	11.92	33.04	11.22	11.26	29.6	0
5/7/20 9:30	12.97	32.75	11.57	11.63	29.6	0
5/7/20 9:45	12.89	25.07	12.32	12.13	29.6	0
5/7/20 10:00	14.49	21.38	13.79	12.29	29.58	0
5/7/20 10:15	14.58	20.25	12.73	12.56	29.58	0
5/7/20 10:30	13.45	11.02	13.67	13.14	29.58	0
5/7/20 10:45	14.54	14.21	13.21	13.21	29.58	0
5/7/20 11:00	12.46	11.44	11.12	13.82	29.56	0
5/7/20 11:15	11.95	16.79	11.32	14.53	29.56	0
5/7/20 11:30	11.58	23.07	13.84	15.04	29.56	0
5/7/20 11:45	12.68	29.45	11.8	15.14	29.56	0
5/7/20 12:00	13.94	27.09	11.31	15.53	29.5	0
5/7/20 12:15	14.75	29.66	11.26	16.02	29.5	0
5/7/20 12:30	14.07	25.36	13.84	16.45	29.5	0
5/7/20 12:45	14.62	29.82	11.21	16.85	29.5	0
5/7/20 13:00	15.49	28.35	9.94	17.28	29.47	0
5/7/20 13:15	14.88	33.23	11.2	17.5	29.47	0
5/7/20 13:30	14.13	26.98	11.78	17.85	29.47	0
5/7/20 13:45	15.77	27.16	10.17	18.01	29.47	0
5/7/20 14:00	15.37	22.03	10.92	18.22	29.47	0
5/7/20 14:15	14.78	19.42	12.8	18.41	29.47	0
5/7/20 14:30	15.12	14.09	11.66	19.16	29.47	0
5/7/20 14:45	17.12	8.59	12.54	18.59	29.47	0
5/7/20 15:00	17.57	8.28	11.72	18.85	29.44	0
5/7/20 15:15	18.49	3.954	13.96	18.94	29.44	0
5/7/20 15:30	17.68	357.1	16.26	19.1	29.44	0
5/7/20 15:45	19.28	355.8	15.55	18.98	29.44	0
5/7/20 16:00	19.41	356.5	16.46	19.04	29.42	0
5/7/20 16:15	17.21	357.8	16.21	18.93	29.42	0
5/7/20 16:30	18.09	359.4	14.68	18.85	29.42	0
5/7/20 16:45	16.35	7.936	15.04	18.63	29.42	0
5/7/20 17:00	18.57	14.6	10.31	18.43	29.4	0
5/7/20 17:15	17.86	14.26	12.27	18.39	29.4	0
5/7/20 17:30	18.94	15.38	10	18.17	29.4	0
5/7/20 17:45	18	17	10.79	17.92	29.4	0
5/7/20 18:00	16.04	18.45	12.2	17.84	29.38	0
5/7/20 18:15	14.86	13.01	10.66	17.71	29.38	0
5/7/20 18:30	15.23	19.35	11.9	17.49	29.38	0
5/7/20 18:45	15.5	19.61	11.14	17.15	29.38	0
5/7/20 19:00	15.14	24.87	12.09	16.98	29.4	0
5/7/20 19:15	12.06	32.38	13.39	16.75	29.4	0
5/7/20 19:30	10.71	49.88	16.74	16.24	29.4	0
5/7/20 19:45	12.67	41.81	11.68	15.81	29.4	0
5/7/20 20:00	13.74	43.35	11.42	15.52	29.38	0
5/7/20 20:15	13.92	39.12	11.19	15.23	29.38	0
5/7/20 20:30	12.18	36.78	10.8	15.03	29.38	0
5/7/20 20:45	9.81	52.05	12.41	14.69	29.38	0
5/7/20 21:00	13.21	36.53	8.89	14.52	29.41	0
5/7/20 21:15	12.42	33.31	7.406	14.17	29.41	0
5/7/20 21:30	10.21	37.23	8.42	13.79	29.41	0
5/7/20 21:45	10.03	33.51	9.33	13.56	29.41	0
5/7/20 22:00	10.69	27.23	10.07	13.41	29.39	0
5/7/20 22:15	10.17	33.27	10.43	13.08	29.39	0
5/7/20 22:30	9.7	34.81	9.72	13.19	29.39	0
5/7/20 22:45	9.35	34.87	9.55	12.59	29.39	0
5/7/20 23:00	8.71	32.98	10.9	12.35	29.39	0
5/7/20 23:15	8.74	33.23	9.27	12.04	29.39	0
5/7/20 23:30	9.5	30.29	7.993	12.09	29.39	0
5/7/20 23:45	8.47	27.97	8.28	11.93	29.39	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/8/20 0:00	8.87	23.03	7.882	11.44	29.38	0
5/8/20 0:15	8.47	25	8.33	11.6	29.38	0
5/8/20 0:30	7.697	28.1	7.773	11.52	29.38	0
5/8/20 0:45	8.57	27.92	7.257	11.8	29.38	0
5/8/20 1:00	7.803	27.54	8.25	12.47	29.39	0
5/8/20 1:15	6.589	30.64	13.34	12.86	29.39	0
5/8/20 1:30	6.852	30.76	12.23	12.57	29.39	0
5/8/20 1:45	6.609	30	14.91	11.65	29.39	0
5/8/20 2:00	5.938	23.98	12.16	10.61	29.38	0
5/8/20 2:15	5.881	39.59	19.27	12.68	29.38	0
5/8/20 2:30	6.43	46.42	13.78	11.96	29.38	0
5/8/20 2:45	7.098	43.08	12.25	12.27	29.38	0
5/8/20 3:00	6.715	34.04	11.22	10.29	29.37	0
5/8/20 3:15	6.482	27.34	13.5	10.37	29.37	0
5/8/20 3:30	6.791	33	14.68	10.06	29.37	0
5/8/20 3:45	7.336	36.5	13.84	10.91	29.37	0
5/8/20 4:00	7.561	42.84	14.02	11.65	29.37	0
5/8/20 4:15	7.271	45.63	15.9	12.22	29.37	0
5/8/20 4:30	6.42	37.51	16.52	11.57	29.37	0
5/8/20 4:45	7.117	29.84	12.95	10.77	29.37	0
5/8/20 5:00	5.832	34.85	14.1	11.28	29.36	0
5/8/20 5:15	7.312	37.59	12.86	11.25	29.36	0
5/8/20 5:30	7.388	38.37	10.17	11.13	29.36	0
5/8/20 5:45	7.509	38.99	12.71	11.6	29.36	0
5/8/20 6:00	6.951	44.3	16.48	12.61	29.36	0
5/8/20 6:15	7.522	41.03	13.4	12.63	29.36	0
5/8/20 6:30	6.834	41.48	16.25	12.7	29.36	0
5/8/20 6:45	6.807	45.48	13.16	13.9	29.36	0
5/8/20 7:00	5.143	36.82	14.75	14.03	29.36	0
5/8/20 7:15	5.284	47.55	26.72	16.4	29.36	0
5/8/20 7:30	7.299	85.7	22.05	17.46	29.36	0
5/8/20 7:45	9.22	95.9	20.51	18.51	29.36	0
5/8/20 8:00	10.64	104.4	18.22	19.16	29.33	0
5/8/20 8:15	11.06	98.8	14.94	19.36	29.33	0
5/8/20 8:30	12.43	85.2	21.31	19.51	29.33	0
5/8/20 8:45	14.05	81.3	19.78	19.57	29.33	0
5/8/20 9:00	13.7	79.81	18.64	19.71	29.33	0
5/8/20 9:15	13.44	85.1	22.09	20.37	29.33	0
5/8/20 9:30	14.09	79.72	21.1	20.48	29.33	0
5/8/20 9:45	11.68	95	19.72	21.16	29.33	0
5/8/20 10:00	11.87	83.2	20.9	21.22	29.32	0
5/8/20 10:15	13.46	108.9	20.55	21.66	29.32	0
5/8/20 10:30	11.69	105.9	19.94	22	29.32	0
5/8/20 10:45	12.53	101.1	27.33	22.15	29.32	0
5/8/20 11:00	12.13	117.8	14.5	22.6	29.34	0
5/8/20 11:15	11.62	119.7	19.93	22.71	29.34	0
5/8/20 11:30	12.93	116.2	18.12	22.86	29.34	0
5/8/20 11:45	13.16	104.6	16.46	23.08	29.34	0
5/8/20 12:00	11.68	109.7	19.79	23.43	29.33	0
5/8/20 12:15	9.86	102	22.69	23.63	29.33	0
5/8/20 12:30	10.29	129.4	26.48	24.25	29.33	0
5/8/20 12:45	9.66	111	19.03	24.3	29.33	0
5/8/20 13:00	10.05	123.4	23.03	24.38	29.3	0
5/8/20 13:15	8.64	107.4	22.91	24.89	29.3	0
5/8/20 13:30	10.51	106.5	20.53	24.75	29.3	0
5/8/20 13:45	11.94	102.3	21.6	24.61	29.3	0
5/8/20 14:00	12.15	100.7	19.02	24.8	29.31	0
5/8/20 14:15	11.73	110.6	16.93	25.12	29.31	0
5/8/20 14:30	11.89	104.3	20.02	24.96	29.31	0
5/8/20 14:45	11.73	97.7	16.39	25.21	29.31	0
5/8/20 15:00	13.15	90.4	20.77	25.2	29.28	0
5/8/20 15:15	15.61	75.13	17.81	24.9	29.28	0
5/8/20 15:30	13.1	88.1	20.48	25.13	29.28	0
5/8/20 15:45	11.46	110.4	14.19	25.25	29.28	0
5/8/20 16:00	13.63	96.7	20.69	25.17	29.27	0
5/8/20 16:15	14.13	95.4	19.27	25.13	29.27	0
5/8/20 16:30	12.93	96.5	21.99	24.93	29.27	0
5/8/20 16:45	13.09	99.3	20.41	24.97	29.27	0
5/8/20 17:00	14.77	98.2	17.65	24.67	29.25	0
5/8/20 17:15	14.16	90.4	18.26	24.61	29.25	0
5/8/20 17:30	12.59	87.3	19.69	24.4	29.25	0
5/8/20 17:45	12.73	84.9	18.81	24.25	29.25	0
5/8/20 18:00	11.33	86.2	19.46	24.04	29.24	0
5/8/20 18:15	11.69	101.1	17.64	23.89	29.24	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/8/20 18:30	11.55	98.1	17.86	23.6	29.24	0
5/8/20 18:45	11.64	97.3	18.81	23.44	29.24	0
5/8/20 19:00	12.59	101.3	16.7	23.09	29.23	0
5/8/20 19:15	11.99	101.7	16.73	22.74	29.23	0
5/8/20 19:30	11.19	103	15.43	22.44	29.23	0
5/8/20 19:45	11.32	101.9	14.68	22.02	29.23	0
5/8/20 20:00	10.48	103.4	13.73	21.78	29.25	0
5/8/20 20:15	8.84	112.6	12.1	21.59	29.25	0
5/8/20 20:30	7.726	104	14.12	21.32	29.25	0
5/8/20 20:45	8.24	114.6	11.37	21.03	29.25	0
5/8/20 21:00	7.902	112	10.42	20.76	29.24	0
5/8/20 21:15	6.477	115.6	10.15	20.59	29.24	0
5/8/20 21:30	7.273	119.7	8.71	20.6	29.24	0
5/8/20 21:45	5.733	120.7	10.23	20.41	29.24	0
5/8/20 22:00	5.887	118.5	10.73	20.25	29.27	0
5/8/20 22:15	6.874	117.4	11.56	20.26	29.27	0
5/8/20 22:30	7.264	111	24.34	20.51	29.27	0
5/8/20 22:45	7.486	107.7	12.01	20.1	29.27	0
5/8/20 23:00	7.607	122.4	9.95	19.99	29.25	0
5/8/20 23:15	8.88	118.6	11.14	20.2	29.25	0
5/8/20 23:30	9.17	115.3	13.98	19.9	29.25	0
5/8/20 23:45	9.38	115.2	14.54	20.18	29.25	0
5/9/20 0:00	8.25	114.9	14.67	19.96	29.23	0
5/9/20 0:15	8.15	120.4	12	19.73	29.23	0
5/9/20 0:30	9.14	120	10.76	19.79	29.23	0
5/9/20 0:45	10.63	118.3	14.12	20.07	29.23	0
5/9/20 1:00	9.2	122.1	13.34	19.95	29.24	0
5/9/20 1:15	7.809	124.8	10.42	19.83	29.24	0
5/9/20 1:30	7.873	120.7	10.22	19.58	29.24	0
5/9/20 1:45	7.641	130.4	9.77	19.61	29.24	0
5/9/20 2:00	7.76	129.8	10.3	19.33	29.24	0
5/9/20 2:15	7.058	126.8	10.49	19.36	29.24	0
5/9/20 2:30	5.967	139.3	8.15	19.26	29.24	0
5/9/20 2:45	5.977	132.9	10.66	19.15	29.24	0
5/9/20 3:00	5.214	134.3	12.19	19.17	29.22	0
5/9/20 3:15	4.566	130.7	10.96	19.06	29.22	0
5/9/20 3:30	3.787	129	14.22	18.92	29.22	0
5/9/20 3:45	4.796	149.8	9.21	18.6	29.22	0
5/9/20 4:00	3.378	138.1	23.1	18.58	29.21	0
5/9/20 4:15	2.033	101.1	35.55	18.68	29.21	0
5/9/20 4:30	4.785	142.7	28.17	18.72	29.21	0
5/9/20 4:45	5.867	158.7	19.27	18.9	29.21	0
5/9/20 5:00	5.544	128	31.23	18.49	29.22	0
5/9/20 5:15	7.667	144.3	8.39	18.63	29.22	0
5/9/20 5:30	5.296	110.6	21.27	18.85	29.22	0
5/9/20 5:45	4.474	107.6	12.92	19.27	29.22	0
5/9/20 6:00	5.015	105.6	17.55	19.6	29.22	0
5/9/20 6:15	5.668	130.4	18.74	20.01	29.22	0
5/9/20 6:30	6.794	127.1	11.75	20.25	29.22	0
5/9/20 6:45	7.171	126.7	11.2	20.39	29.22	0
5/9/20 7:00	9.25	120.4	16.45	20.5	29.21	0
5/9/20 7:15	8.5	118.6	11.89	20.93	29.21	0
5/9/20 7:30	8.18	119.3	12.99	21.19	29.21	0
5/9/20 7:45	8.08	112.9	12.97	21.73	29.21	0
5/9/20 8:00	10.86	111.9	15.56	22.02	29.22	0
5/9/20 8:15	13.75	130.8	15.75	22.43	29.22	0
5/9/20 8:30	13.14	126.3	20.17	22.84	29.22	0
5/9/20 8:45	13.38	124.3	16.48	23.21	29.22	0
5/9/20 9:00	16.92	126.4	15.35	23.33	29.21	0
5/9/20 9:15	14.34	125.1	16.75	23.82	29.21	0
5/9/20 9:30	16.38	117.9	14.79	23.74	29.21	0
5/9/20 9:45	16.3	125.8	13.46	23.86	29.21	0
5/9/20 10:00	14.13	129.7	14.55	24.38	29.21	0
5/9/20 10:15	14.38	128.9	15.47	24.38	29.21	0
5/9/20 10:30	13.02	133.2	16.71	24.64	29.21	0
5/9/20 10:45	13.67	140.1	15.2	24.96	29.21	0
5/9/20 11:00	13.03	135.2	19.7	25.46	29.17	0
5/9/20 11:15	11.65	143.3	13.73	25.44	29.17	0
5/9/20 11:30	12.31	140.1	14.77	25.74	29.17	0
5/9/20 11:45	10.64	138.8	13.47	26.06	29.17	0
5/9/20 12:00	9.52	146.8	16.97	26.47	29.16	0
5/9/20 12:15	9.09	135.9	16.66	26.68	29.16	0
5/9/20 12:30	7.862	116	34.01	26.97	29.16	0
5/9/20 12:45	6.815	114.3	26.92	25.97	29.16	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/9/20 13:00	7.554	96	20.61	26.61	29.17	0
5/9/20 13:15	9.1	100.5	16.94	26.92	29.17	0
5/9/20 13:30	10.01	82.8	30.69	26.63	29.17	0
5/9/20 13:45	7.741	95.4	27.2	27.09	29.17	0
5/9/20 14:00	8.17	88.3	30.06	27.45	29.13	0
5/9/20 14:15	8.48	78.51	25.19	27.54	29.13	0
5/9/20 14:30	11.34	74.33	16.98	27.45	29.13	0
5/9/20 14:45	12.98	66.25	17.83	27.47	29.13	0
5/9/20 15:00	11.91	68.51	17.56	27.52	29.13	0
5/9/20 15:15	11.86	70.31	15.16	27.41	29.13	0
5/9/20 15:30	11.03	73.81	19.62	27.37	29.13	0
5/9/20 15:45	9.65	70.71	17.71	27.6	29.13	0
5/9/20 16:00	10.15	94.1	21.35	27.34	29.13	0
5/9/20 16:15	10.63	79.82	18.55	27.26	29.13	0
5/9/20 16:30	9.35	103.3	18.01	27.3	29.13	0
5/9/20 16:45	10.85	97.7	20.15	27.02	29.13	0
5/9/20 17:00	10.19	87.1	19.35	26.74	29.1	0
5/9/20 17:15	10.99	89	17.97	26.62	29.1	0
5/9/20 17:30	10.82	94.9	18.43	26.6	29.1	0
5/9/20 17:45	10.82	95.1	19.51	26.2	29.1	0
5/9/20 18:00	9.59	105.7	14.76	26.04	29.09	0
5/9/20 18:15	9.76	104.2	16.08	25.9	29.09	0
5/9/20 18:30	8.98	101.5	15.75	25.66	29.09	0
5/9/20 18:45	7.411	101.3	14.66	25.44	29.09	0
5/9/20 19:00	5.579	93.2	15.8	25.18	29.11	0
5/9/20 19:15	5.353	93.3	17.71	25.01	29.11	0
5/9/20 19:30	4.4	99.3	16.92	24.77	29.11	0
5/9/20 19:45	5.51	109	10.29	24.22	29.11	0
5/9/20 20:00	6.16	108	13.52	24.12	29.12	0
5/9/20 20:15	7.308	111.1	15.22	24.09	29.12	0
5/9/20 20:30	8.59	112	11.69	24.03	29.12	0
5/9/20 20:45	8.83	121.4	10.67	23.82	29.12	0
5/9/20 21:00	9.14	119.7	10.91	23.65	29.1	0
5/9/20 21:15	8.2	121.2	11.1	23.59	29.1	0
5/9/20 21:30	7.603	113.3	13.36	23.49	29.1	0
5/9/20 21:45	7.329	123.8	13.45	23.28	29.1	0
5/9/20 22:00	7.569	126.5	9.35	23.25	29.11	0
5/9/20 22:15	7.426	128	11.66	23.32	29.11	0
5/9/20 22:30	7.657	135.6	9.94	23.16	29.11	0
5/9/20 22:45	7.447	139.9	8.36	22.93	29.11	0
5/9/20 23:00	7.334	142.3	9.42	22.96	29.1	0
5/9/20 23:15	7.626	136.4	9.42	22.8	29.1	0
5/9/20 23:30	7.867	138.1	10.86	22.74	29.1	0
5/9/20 23:45	6.857	141.5	9.91	22.53	29.1	0
5/10/20 0:00	6.204	130.5	10.81	22.43	29.1	0
5/10/20 0:15	6.751	119.6	10.83	22.28	29.1	0
5/10/20 0:30	6.358	121.9	8.75	22.25	29.1	0
5/10/20 0:45	7.221	125.7	9.57	22.19	29.1	0
5/10/20 1:00	6.542	128.9	6.46	21.93	29.1	0
5/10/20 1:15	6.382	128.2	8.57	21.92	29.1	0
5/10/20 1:30	5.494	126.5	14.71	21.71	29.1	0
5/10/20 1:45	5.475	130	9.67	21.53	29.1	0
5/10/20 2:00	6.207	130.1	9.02	21.42	29.1	0
5/10/20 2:15	6.497	121.4	13.37	21.31	29.1	0
5/10/20 2:30	5.1	119.2	10.62	20.61	29.1	0
5/10/20 2:45	5.576	123.3	9.78	20.6	29.1	0
5/10/20 3:00	6.615	127.4	8.9	20.66	29.08	0
5/10/20 3:15	5.678	113.5	11.54	20.58	29.08	0
5/10/20 3:30	4.803	113.1	10.35	20.03	29.08	0
5/10/20 3:45	4.22	89.3	16.81	20.35	29.08	0
5/10/20 4:00	4.573	89.2	16.4	20.07	29.07	0
5/10/20 4:15	3.787	80.5	21.6	20.47	29.07	0
5/10/20 4:30	5.339	100.2	13.39	20.39	29.07	0
5/10/20 4:45	4.646	92.1	18.58	19.88	29.07	0
5/10/20 5:00	3.341	94.4	32.7	20.09	29.08	0
5/10/20 5:15	3.578	121.3	11.04	20.19	29.08	0
5/10/20 5:30	4.016	133.8	9.88	20.12	29.08	0
5/10/20 5:45	4.037	129.1	11.22	20.38	29.08	0
5/10/20 6:00	3.674	123.7	13.16	20.72	29.09	0
5/10/20 6:15	5.622	128.4	10.05	20.88	29.09	0
5/10/20 6:30	5.943	130.3	11.67	20.79	29.09	0
5/10/20 6:45	6.401	121.9	13.47	20.62	29.09	0
5/10/20 7:00	5.656	124.3	12.07	20.83	29.09	0
5/10/20 7:15	6.478	122	11.43	21.17	29.09	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/10/20 7:30	4.712	108.4	17.14	21.81	29.09	0
5/10/20 7:45	5.224	125	15.85	22.25	29.09	0
5/10/20 8:00	3.3	117	25.38	22.58	29.07	0
5/10/20 8:15	2.258	87.6	23.68	23.18	29.07	0
5/10/20 8:30	3.243	111.5	32.86	23.31	29.07	0
5/10/20 8:45	3.03	96.7	25.33	23.88	29.07	0
5/10/20 9:00	5.718	117.5	20.06	24.2	29.05	0
5/10/20 9:15	6.599	110.5	31.09	24.75	29.05	0
5/10/20 9:30	8.87	125.1	18.08	24.93	29.05	0
5/10/20 9:45	9.9	109.1	18.83	24.92	29.05	0
5/10/20 10:00	12.24	124.9	17.03	25.08	29.04	0
5/10/20 10:15	11.9	120.9	11.7	25.22	29.04	0
5/10/20 10:30	9.63	110.2	19.46	25.9	29.04	0
5/10/20 10:45	11.02	124.5	15.35	26.06	29.04	0
5/10/20 11:00	9.45	117.1	22.43	26.89	29.04	0
5/10/20 11:15	9.9	122.4	25.75	26.7	29.04	0
5/10/20 11:30	10.87	129.5	20.84	27.06	29.04	0
5/10/20 11:45	10.54	119.5	23.79	27	29.04	0
5/10/20 12:00	9.79	126.5	21.49	27.47	29.02	0
5/10/20 12:15	12.22	135.2	15.75	27.54	29.02	0
5/10/20 12:30	10.83	121.9	17.06	27.93	29.02	0
5/10/20 12:45	11.05	140.2	14.82	27.7	29.02	0
5/10/20 13:00	10.08	138.4	18.54	28.28	28.99	0
5/10/20 13:15	6.834	135.4	21.9	28.92	28.99	0
5/10/20 13:30	8.2	119.2	22.67	29.1	28.99	0
5/10/20 13:45	7.362	116.8	30.88	28.8	28.99	0
5/10/20 14:00	9.5	82.8	26.5	28.11	28.98	0
5/10/20 14:15	9.41	53.07	15.07	28.66	28.98	0
5/10/20 14:30	7.932	74.67	46.65	29.37	28.98	0
5/10/20 14:45	7.383	78.76	27.06	29.16	28.98	0
5/10/20 15:00	9.26	63.53	16.23	28.68	28.97	0
5/10/20 15:15	9.35	64.3	13.95	28.57	28.97	0
5/10/20 15:30	9.19	73.09	15.98	28.63	28.97	0
5/10/20 15:45	8.36	78.15	19.58	28.69	28.97	0
5/10/20 16:00	8.24	81.4	16.99	28.49	28.95	0
5/10/20 16:15	8.27	94.2	21.03	28.4	28.95	0
5/10/20 16:30	8.2	84.9	19.18	28.28	28.95	0
5/10/20 16:45	9.23	91.7	15.59	28.02	28.95	0
5/10/20 17:00	8.33	94.8	17.39	27.94	28.93	0
5/10/20 17:15	9.53	100.5	12.37	27.91	28.93	0
5/10/20 17:30	11.48	112.1	13.71	27.82	28.93	0
5/10/20 17:45	9.9	113.2	15.73	27.62	28.93	0
5/10/20 18:00	9.24	123.6	12.32	27.19	28.95	0
5/10/20 18:15	6.518	115.1	10.39	26.75	28.95	0
5/10/20 18:30	7.304	115.1	11.9	26.55	28.95	0
5/10/20 18:45	5.73	114.4	12.41	26.14	28.95	0
5/10/20 19:00	7.129	112.3	10.57	25.66	28.95	0
5/10/20 19:15	8.42	120.1	11.04	25.62	28.95	0
5/10/20 19:30	9.52	118	11.77	25.09	28.95	0
5/10/20 19:45	8.17	114	13.63	25.01	28.95	0
5/10/20 20:00	8.92	114.9	12.79	24.8	28.93	0
5/10/20 20:15	9.04	107.3	17.59	24.55	28.93	0
5/10/20 20:30	8.82	117.7	9.63	24.41	28.93	0
5/10/20 20:45	8.02	124.4	10.24	24	28.93	0
5/10/20 21:00	11.19	128.7	11.48	24.02	28.93	0
5/10/20 21:15	13.77	127.2	10.24	23.96	28.93	0
5/10/20 21:30	13.62	131.6	9.87	23.79	28.93	0
5/10/20 21:45	14.66	133.5	11.86	23.83	28.93	0
5/10/20 22:00	15.02	131.3	11.14	23.69	28.95	0
5/10/20 22:15	16.73	130.4	10.94	23.73	28.95	0
5/10/20 22:30	16.91	132.2	10.83	23.56	28.95	0
5/10/20 22:45	16.74	129	12.38	23.54	28.95	0
5/10/20 23:00	17.62	127.7	12.69	23.46	28.94	0
5/10/20 23:15	14.5	128.7	12.06	23.37	28.94	0
5/10/20 23:30	14.38	127.7	10.55	23.36	28.94	0
5/10/20 23:45	12.82	126.4	12.24	23.18	28.94	0
5/11/20 0:00	13.77	131.4	12.15	23.03	28.93	0
5/11/20 0:15	15.65	127.4	12.63	23.11	28.93	0
5/11/20 0:30	14.31	124.5	11.25	22.87	28.93	0
5/11/20 0:45	12.9	126.8	12.05	22.77	28.93	0
5/11/20 1:00	11.3	127.6	11.85	22.46	28.92	0
5/11/20 1:15	10.75	133.3	11.22	22.36	28.92	0
5/11/20 1:30	10	138.8	12.78	22	28.92	0
5/11/20 1:45	8.13	143.2	12.67	21.58	28.92	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/11/20 2:00	7.242	150.8	14.88	21.39	28.93	0
5/11/20 2:15	8.52	150.1	13.62	20.96	28.93	0
5/11/20 2:30	9.22	148.2	11.49	21.08	28.93	0
5/11/20 2:45	10.8	146.3	11.23	20.89	28.93	0
5/11/20 3:00	10.55	145	9.95	20.84	28.92	0
5/11/20 3:15	10.84	139.8	11.56	20.92	28.92	0
5/11/20 3:30	10.16	149	9.69	20.64	28.92	0
5/11/20 3:45	10.46	163.5	9.06	20.4	28.92	0
5/11/20 4:00	11.36	151.8	11.35	20.47	28.93	0
5/11/20 4:15	12.39	145	11.48	20.46	28.93	0
5/11/20 4:30	11.59	153.7	10.57	20.32	28.93	0
5/11/20 4:45	11.18	172.8	28.35	20.25	28.93	0
5/11/20 5:00	10.16	217.1	10.82	18.48	28.95	0
5/11/20 5:15	9.1	237.1	10.99	16.91	28.95	0
5/11/20 5:30	8.12	239.8	6.571	15.87	28.95	0
5/11/20 5:45	4.269	245.8	11.19	15.39	28.95	0
5/11/20 6:00	3.317	294.9	15.12	15.06	28.95	0
5/11/20 6:15	2.421	314.4	9.77	15.1	28.95	0
5/11/20 6:30	1.295	335	18.29	15.69	28.95	0
5/11/20 6:45	3.167	263.4	16.28	15.84	28.95	0
5/11/20 7:00	4.532	264.3	8.03	15.99	28.93	0
5/11/20 7:15	5.482	267.1	11.57	16.03	28.93	0
5/11/20 7:30	5.727	282.7	13.73	16.6	28.93	0
5/11/20 7:45	4.985	299.2	22.67	16.92	28.93	0
5/11/20 8:00	4.085	292.3	21.87	17.54	28.94	0
5/11/20 8:15	2.005	320.7	22.51	17.95	28.94	0
5/11/20 8:30	2.228	274	38.78	18.45	28.94	0
5/11/20 8:45	3.642	299	14.75	18.63	28.94	0
5/11/20 9:00	4.973	282.8	11.32	19.03	28.93	0
5/11/20 9:15	5.675	299.4	11.04	19.72	28.93	0
5/11/20 9:30	6.033	298.3	10.35	20.08	28.93	0
5/11/20 9:45	6.149	295	11.94	20.61	28.93	0
5/11/20 10:00	5.938	308.1	14.85	21.14	28.92	0
5/11/20 10:15	6.707	309.9	15.84	21.28	28.92	0
5/11/20 10:30	6.996	290.2	15.82	21.62	28.92	0
5/11/20 10:45	7.524	277.1	12.09	22.81	28.92	0
5/11/20 11:00	7.383	268.6	46.52	22.86	28.91	0
5/11/20 11:15	10.18	275.3	10.59	22.21	28.91	0
5/11/20 11:30	10.24	279.9	12.09	22.36	28.91	0
5/11/20 11:45	8.85	279	19.27	22.86	28.91	0
5/11/20 12:00	8.98	259	15.1	22.81	28.91	0
5/11/20 12:15	8.64	274.1	18.23	22.96	28.91	0
5/11/20 12:30	9.53	279.7	18.35	22.66	28.91	0
5/11/20 12:45	9.54	249.5	12.76	22.44	28.91	0
5/11/20 13:00	8.94	242.9	11.14	21.67	28.88	0
5/11/20 13:15	6.806	265.2	17.57	21.82	28.88	0
5/11/20 13:30	9.44	238.2	9.35	22.2	28.88	0
5/11/20 13:45	9.88	240.3	12.18	22.59	28.88	0
5/11/20 14:00	13.17	245.2	11.92	21.97	28.88	0
5/11/20 14:15	14.02	237.4	11.02	21.38	28.88	0
5/11/20 14:30	15.74	225.9	9.18	20.13	28.88	0
5/11/20 14:45	14.24	243.3	19.04	19.88	28.88	0
5/11/20 15:00	12.05	251.3	12	19.33	28.92	0
5/11/20 15:15	14.86	246.2	12.33	19.04	28.92	0
5/11/20 15:30	13.16	245.7	9.89	17.76	28.92	0
5/11/20 15:45	14.63	234.1	10.16	17.48	28.92	0
5/11/20 16:00	14.59	235.4	9.83	16.96	28.92	0
5/11/20 16:15	11.63	234.1	9.64	16.87	28.92	0
5/11/20 16:30	9.67	230	10.68	16.62	28.92	0
5/11/20 16:45	7.919	207.5	17.71	16.4	28.92	0
5/11/20 17:00	7.721	199	8.32	15.89	28.92	0
5/11/20 17:15	9.08	193.8	10.8	15.6	28.92	0
5/11/20 17:30	7.834	193.7	10.33	15.31	28.92	0
5/11/20 17:45	9.96	210.9	11.85	14.95	28.92	0
5/11/20 18:00	9.75	201.9	10.07	14.51	28.94	0
5/11/20 18:15	8.43	177.9	15.69	12.63	28.94	0
5/11/20 18:30	4.387	145.8	26.16	11.89	28.94	0
5/11/20 18:45	4.557	121.8	13.08	11.66	28.94	0
5/11/20 19:00	5.245	142.6	8.99	11.51	28.93	0
5/11/20 19:15	4.569	141.1	10	11.45	28.93	0
5/11/20 19:30	3.843	126.9	11.34	11.55	28.93	0
5/11/20 19:45	4.31	109.5	9.77	11.91	28.93	0
5/11/20 20:00	3.253	130.1	9.74	12.11	28.93	0
5/11/20 20:15	1.821	123.3	18.71	12.32	28.93	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/11/20 20:30	1.405	108.5	21.59	12.26	28.93	0
5/11/20 20:45	2.749	191	14.01	12.44	28.93	0
5/11/20 21:00	4.5	203.5	14.83	12.64	28.97	0
5/11/20 21:15	4.553	190.8	32.14	12.19	28.97	0
5/11/20 21:30	5.785	206.2	12.84	12.05	28.97	0
5/11/20 21:45	6.598	169.1	13.1	11.55	28.97	0
5/11/20 22:00	5.709	142.1	6.954	11.36	28.94	0
5/11/20 22:15	3.783	132	7.894	11.34	28.94	0
5/11/20 22:30	4.045	123.7	9.21	11.3	28.94	0
5/11/20 22:45	5.402	111.8	8.17	11.36	28.94	0
5/11/20 23:00	4.908	89.5	18.91	11.52	28.93	0
5/11/20 23:15	5.145	52.23	7.593	11.41	28.93	0
5/11/20 23:30	3.429	56.13	12.39	11.34	28.93	0
5/11/20 23:45	4.559	37.72	13.31	11.28	28.93	0
5/12/20 0:00	6.588	45.84	10.09	11.62	28.89	0
5/12/20 0:15	3.971	4.278	18.55	11.22	28.89	0
5/12/20 0:30	3.723	278.4	69.92	11.6	28.89	0
5/12/20 0:45	4.882	284	31.87	11.73	28.89	0
5/12/20 1:00	2.408	68.59	11.14	11.05	28.91	0
5/12/20 1:15	2.541	54.16	13.15	10.76	28.91	0.01
5/12/20 1:30	3.664	41.25	5.496	10.7	28.91	0
5/12/20 1:45	2.751	43.55	4.26	10.63	28.91	0
5/12/20 2:00	2.311	167.2	78.04	10.71	28.9	0
5/12/20 2:15	2.349	177.8	82.9	10.95	28.9	0
5/12/20 2:30	2.439	18.94	8.85	10.27	28.9	0
5/12/20 2:45	0.34	38.41	17.76	10.94	28.9	0
5/12/20 3:00	3.795	196.4	18.21	11.04	28.89	0
5/12/20 3:15	2.239	124.8	33.57	10.48	28.89	0
5/12/20 3:30	3.265	166.4	14.43	10.33	28.89	0
5/12/20 3:45	2.995	193.1	18.57	10.53	28.89	0
5/12/20 4:00	2.073	151.9	15.73	10.25	28.89	0
5/12/20 4:15	3.68	155.1	12.53	10.33	28.89	0
5/12/20 4:30	2.854	160	8.82	10.16	28.89	0
5/12/20 4:45	3.534	143.6	16.31	9.9	28.89	0
5/12/20 5:00	4.4	155.7	10.5	10.24	28.88	0
5/12/20 5:15	4.193	160.8	15.61	10.59	28.88	0
5/12/20 5:30	5.148	192.4	5.463	10.61	28.88	0
5/12/20 5:45	4.306	145.9	25.53	9.99	28.88	0
5/12/20 6:00	3.215	84.6	17.15	10.01	28.88	0
5/12/20 6:15	5.498	139.5	8.85	11.21	28.88	0
5/12/20 6:30	5.08	142.8	11.54	11.42	28.88	0
5/12/20 6:45	4.53	139.3	12.52	12.49	28.88	0
5/12/20 7:00	5.126	127.9	23.1	12.93	28.89	0
5/12/20 7:15	2.926	134.1	23.86	14.04	28.89	0
5/12/20 7:30	3.351	143	27.05	13.98	28.89	0
5/12/20 7:45	2.571	105.4	21.05	15.05	28.89	0
5/12/20 8:00	2.69	112.1	29.59	15.63	28.88	0
5/12/20 8:15	3.005	146.7	16.55	15.73	28.88	0
5/12/20 8:30	2.01	132.7	27.62	16.71	28.88	0
5/12/20 8:45	1.685	118.2	17.47	16.49	28.88	0
5/12/20 9:00	1.711	73.5	14.18	16.11	28.88	0
5/12/20 9:15	1.518	6.716	23.3	16.5	28.88	0
5/12/20 9:30	0.925	225.2	74.36	16.77	28.88	0
5/12/20 9:45	3.316	236	21.99	16.91	28.88	0
5/12/20 10:00	2.596	215	35.64	17.04	28.87	0
5/12/20 10:15	5.671	269.3	18.79	16.85	28.87	0
5/12/20 10:30	8.2	277	12.97	16.5	28.87	0
5/12/20 10:45	8.16	275.3	9.28	16.11	28.87	0
5/12/20 11:00	8.45	274.9	10.99	15.62	28.89	0
5/12/20 11:15	7.776	250.5	18.73	14.86	28.89	0
5/12/20 11:30	3.171	234.1	25.39	15.25	28.89	0.01
5/12/20 11:45	2.818	193.4	35.98	15.71	28.89	0
5/12/20 12:00	3.579	223	21.03	15.63	28.88	0
5/12/20 12:15	7.607	215.4	15.47	15.45	28.88	0
5/12/20 12:30	8.15	213	16.07	16.09	28.88	0
5/12/20 12:45	8.88	214.9	11.42	15.72	28.88	0
5/12/20 13:00	6.885	214.1	18.21	16.09	28.89	0
5/12/20 13:15	7.415	213	23.06	16.82	28.89	0
5/12/20 13:30	9.47	207.3	19.81	17.24	28.89	0
5/12/20 13:45	9.91	201.8	27.88	17.18	28.89	0
5/12/20 14:00	10.83	204.2	10.75	17.22	28.87	0
5/12/20 14:15	8.21	229.2	19.31	16.68	28.87	0
5/12/20 14:30	9.23	216.3	17.19	17.04	28.87	0
5/12/20 14:45	12.02	212.8	19.85	17.22	28.87	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/12/20 15:00	13.19	202.7	10.77	16.82	28.89	0
5/12/20 15:15	10.25	211.9	13.05	16.74	28.89	0
5/12/20 15:30	10.48	219.4	14.39	16.73	28.89	0
5/12/20 15:45	9.7	210.5	16.75	16.64	28.89	0
5/12/20 16:00	14.62	217.3	11.26	16.64	28.89	0
5/12/20 16:15	20.21	252.3	12.12	16	28.89	0
5/12/20 16:30	15.34	251.4	11.21	14.39	28.89	0
5/12/20 16:45	13.82	251.1	8.53	13.34	28.89	0
5/12/20 17:00	8.33	241.5	12.02	13.16	28.9	0
5/12/20 17:15	8.2	223.2	12.56	13.02	28.9	0
5/12/20 17:30	5.884	225.6	11.72	13.04	28.9	0
5/12/20 17:45	6.239	209.2	17.73	13.03	28.9	0
5/12/20 18:00	4.996	182.2	12.19	13.08	28.91	0
5/12/20 18:15	5.258	178.2	12.77	13.08	28.91	0
5/12/20 18:30	4.197	169.5	11.14	12.89	28.91	0
5/12/20 18:45	6.737	176	12.25	12.79	28.91	0
5/12/20 19:00	6.884	158.9	15.36	12.48	28.92	0
5/12/20 19:15	7.38	182.4	52.12	12.44	28.92	0
5/12/20 19:30	8.42	247.8	15.69	12.06	28.92	0.02
5/12/20 19:45	7.081	258.9	7.592	11.7	28.92	0
5/12/20 20:00	5.992	260	9.05	11.59	28.94	0
5/12/20 20:15	5.133	263.2	6.726	11.58	28.94	0
5/12/20 20:30	4.558	251.6	8.03	11.64	28.94	0
5/12/20 20:45	4.243	235.1	15.26	11.68	28.94	0
5/12/20 21:00	3.849	245.7	8.85	11.62	28.98	0
5/12/20 21:15	3.13	234.9	16.16	11.57	28.98	0
5/12/20 21:30	3.557	236.7	26.46	11.74	28.98	0.01
5/12/20 21:45	5.916	161.9	31.08	11.8	28.98	0.01
5/12/20 22:00	13.59	189.2	9.98	11.22	28.97	0.04
5/12/20 22:15	11.94	193.6	8.82	10.78	28.97	0.02
5/12/20 22:30	9.21	183	7.579	10.63	28.97	0
5/12/20 22:45	5.521	168.9	14.29	10.58	28.97	0.01
5/12/20 23:00	4.333	169.8	20.25	10.53	29	0
5/12/20 23:15	4.632	180.7	24.85	10.77	29	0
5/12/20 23:30	5.257	181.1	11.5	10.77	29	0
5/12/20 23:45	6.608	191.4	10.36	10.81	29	0
5/13/20 0:00	5.291	190.1	9.22	10.85	29	0
5/13/20 0:15	2.381	141.1	24.92	10.69	29	0
5/13/20 0:30	1.144	125.2	8.54	10.45	29	0
5/13/20 0:45	0.532	145.4	18.15	10.68	29	0
5/13/20 1:00	4.545	186.8	7.908	10.67	28.99	0
5/13/20 1:15	4.491	170.7	14.03	10.67	28.99	0
5/13/20 1:30	3.14	135.4	10.26	10.39	28.99	0
5/13/20 1:45	3.725	144.9	9.71	10.35	28.99	0
5/13/20 2:00	3.369	153.3	14.89	10.37	29.01	0
5/13/20 2:15	3.053	150.4	11.05	10.29	29.01	0
5/13/20 2:30	4.257	134.8	5.324	10.37	29.01	0
5/13/20 2:45	4.414	133.8	6.055	10.39	29.01	0
5/13/20 3:00	3.83	137.8	8.21	10.31	29.02	0
5/13/20 3:15	4.509	143.9	4.95	10.26	29.02	0
5/13/20 3:30	4.258	139.7	7.323	10.21	29.02	0
5/13/20 3:45	4.625	134.6	6.318	10.2	29.02	0
5/13/20 4:00	4.932	146.4	7.359	10.1	29.01	0.01
5/13/20 4:15	4.885	144.8	10.53	10	29.01	0
5/13/20 4:30	4.069	142.7	6.715	9.95	29.01	0.01
5/13/20 4:45	4.812	160.6	6.216	9.96	29.01	0
5/13/20 5:00	4.787	159.5	5.749	9.9	29.01	0.01
5/13/20 5:15	5.696	170.8	10.76	9.94	29.01	0.01
5/13/20 5:30	5.522	178.9	12.11	9.94	29.01	0.02
5/13/20 5:45	4.522	171.6	11.65	9.87	29.01	0
5/13/20 6:00	7.309	188.3	9.76	9.96	29.03	0.01
5/13/20 6:15	10.04	204.3	8.98	10.1	29.03	0.01
5/13/20 6:30	8.06	194.7	11.92	10.12	29.03	0
5/13/20 6:45	7.458	184.1	8.79	10.02	29.03	0
5/13/20 7:00	6.838	184.5	10.98	10.29	29.06	0
5/13/20 7:15	7.498	186.6	7.054	10.4	29.06	0
5/13/20 7:30	6.844	180.7	10.93	10.89	29.06	0
5/13/20 7:45	7.744	189.7	13.55	10.89	29.06	0
5/13/20 8:00	9.16	193.7	11.93	11.09	29.08	0
5/13/20 8:15	8.34	197.9	10.97	11.1	29.08	0
5/13/20 8:30	8.58	193.1	10.33	11.32	29.08	0
5/13/20 8:45	8.05	190.5	9.8	11.34	29.08	0
5/13/20 9:00	8.21	192.9	10.45	11.51	29.07	0
5/13/20 9:15	8.18	192.2	9.17	11.64	29.07	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/13/20 9:30	7.643	192.8	11.03	11.9	29.07	0
5/13/20 9:45	6.74	181	15.3	12.33	29.07	0
5/13/20 10:00	5.91	178	21.05	12.52	29.06	0
5/13/20 10:15	5.968	185.2	12.13	12.75	29.06	0
5/13/20 10:30	4.064	174.2	29.26	13.19	29.06	0
5/13/20 10:45	4.091	176.2	21.94	12.87	29.06	0
5/13/20 11:00	4.725	194.7	18.7	13.04	29.07	0
5/13/20 11:15	5.319	188.8	18.98	13.77	29.07	0
5/13/20 11:30	6.185	172.8	21.38	13.67	29.07	0
5/13/20 11:45	4.354	280	29.2	14.44	29.07	0
5/13/20 12:00	4.734	303.5	46.79	15.14	29.08	0
5/13/20 12:15	5.857	299.8	17.05	15.06	29.08	0
5/13/20 12:30	4.656	268.7	22.16	14.45	29.08	0
5/13/20 12:45	6.601	255	14.42	15.32	29.08	0
5/13/20 13:00	6.849	236.7	32.5	16.14	29.07	0
5/13/20 13:15	5.635	232.5	19.54	16.13	29.07	0
5/13/20 13:30	6.876	242.9	23.23	16.42	29.07	0
5/13/20 13:45	7.985	251.2	14.61	16.25	29.07	0
5/13/20 14:00	7.267	240.7	22.15	16.18	29.05	0
5/13/20 14:15	6.864	253.1	16.19	15.96	29.05	0
5/13/20 14:30	4.698	259.2	29.34	15.96	29.05	0
5/13/20 14:45	5.39	249.9	14.89	16.11	29.05	0
5/13/20 15:00	4.035	260.8	29.49	17.28	29.05	0
5/13/20 15:15	6.245	239.6	52.19	17.75	29.05	0
5/13/20 15:30	8.22	240.7	19.27	17.23	29.05	0
5/13/20 15:45	8.03	259.1	19.17	17.32	29.05	0
5/13/20 16:00	7.652	192.6	22.63	16.75	29.05	0
5/13/20 16:15	6.833	203.4	47.71	16.71	29.05	0
5/13/20 16:30	7.892	231.5	11.28	16.47	29.05	0
5/13/20 16:45	6.761	236.5	29.24	16.13	29.05	0
5/13/20 17:00	5.813	273.8	9.83	15.7	29.04	0
5/13/20 17:15	7.453	279.2	7.197	15.56	29.04	0
5/13/20 17:30	7.742	269.7	9.87	15.44	29.04	0
5/13/20 17:45	7.087	269.3	9.62	15.2	29.04	0
5/13/20 18:00	7.654	266.7	11.18	15.07	29.06	0
5/13/20 18:15	7.503	271.6	11.63	15.47	29.06	0
5/13/20 18:30	12.64	273.3	11.11	15.34	29.06	0
5/13/20 18:45	12.93	261.4	6.932	14.15	29.06	0
5/13/20 19:00	12.48	264.7	6.998	13.88	29.08	0
5/13/20 19:15	7.596	258.1	11.2	13.58	29.08	0
5/13/20 19:30	5.993	253	10.86	13.44	29.08	0
5/13/20 19:45	7.712	253.5	12.05	13.08	29.08	0
5/13/20 20:00	8.06	247	10.4	12.73	29.1	0
5/13/20 20:15	6.813	236.2	6.813	12.13	29.1	0
5/13/20 20:30	4.438	228	27.75	12	29.1	0
5/13/20 20:45	3.338	140	8.11	11.76	29.1	0
5/13/20 21:00	4.732	129.8	4.833	11.68	29.11	0
5/13/20 21:15	4.475	142.3	7.676	11.61	29.11	0
5/13/20 21:30	4.907	159.6	7.25	11.42	29.11	0
5/13/20 21:45	5.964	176.4	11.75	11.44	29.11	0
5/13/20 22:00	4.4	175.4	15.06	11.36	29.11	0
5/13/20 22:15	4.776	186.3	18.31	11.13	29.11	0
5/13/20 22:30	4.989	209.2	6.396	11.19	29.11	0
5/13/20 22:45	4.977	213.4	4.35	10.97	29.11	0
5/13/20 23:00	4.452	220.2	5.979	10.85	29.12	0
5/13/20 23:15	4.678	211.1	5.787	10.83	29.12	0
5/13/20 23:30	5.065	213.7	5.087	10.83	29.12	0
5/13/20 23:45	4.423	203.3	11.84	10.71	29.12	0
5/14/20 0:00	1.445	93.4	35.32	10.44	29.13	0
5/14/20 0:15	2.567	95.9	5.991	10.12	29.13	0
5/14/20 0:30	2.779	92.5	6.627	10.14	29.13	0
5/14/20 0:45	3.643	105	14.2	10.25	29.13	0
5/14/20 1:00	3.362	98.3	5.741	10.44	29.11	0
5/14/20 1:15	2.824	130	6.198	10.53	29.11	0
5/14/20 1:30	2.999	185.5	22.85	10.81	29.11	0
5/14/20 1:45	3.284	220.9	6.801	10.55	29.11	0
5/14/20 2:00	2.575	202.4	11.21	10.41	29.12	0
5/14/20 2:15	2.464	192.6	5.012	10.45	29.12	0
5/14/20 2:30	2.623	209.5	4.794	10.45	29.12	0
5/14/20 2:45	2.613	193.9	4.515	10.25	29.12	0
5/14/20 3:00	2.331	185.2	4.317	10.25	29.14	0
5/14/20 3:15	0.822	154	20.47	10.18	29.14	0
5/14/20 3:30	1.012	133.3	0.171	9.95	29.14	0
5/14/20 3:45	1.25	128.4	4.208	9.8	29.14	0.01

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/14/20 4:00	2.289	154.3	30.6	9.86	29.14	0.01
5/14/20 4:15	3.663	195.2	8.52	9.95	29.14	0
5/14/20 4:30	3.963	194.6	4.154	9.9	29.14	0.01
5/14/20 4:45	3.431	185.5	5.564	9.78	29.14	0.01
5/14/20 5:00	2.426	142.5	26.02	9.62	29.14	0.02
5/14/20 5:15	2.083	92	6.167	9.5	29.14	0.01
5/14/20 5:30	1.186	93.5	5.146	9.38	29.14	0.01
5/14/20 5:45	1.122	91.2	5.84	9.38	29.14	0
5/14/20 6:00	2.922	88.7	10.7	9.4	29.13	0.01
5/14/20 6:15	3.232	89.6	9.12	9.52	29.13	0
5/14/20 6:30	3.606	117	7.351	9.62	29.13	0
5/14/20 6:45	3.937	167.1	42.43	9.96	29.13	0.01
5/14/20 7:00	7.94	228.1	14.58	9.82	29.15	0.11
5/14/20 7:15	5.714	235.6	9.75	9.24	29.15	0.01
5/14/20 7:30	4.388	234.3	10	9.51	29.15	0
5/14/20 7:45	4.497	205.7	13.02	9.88	29.15	0
5/14/20 8:00	5.756	181	11.65	10.3	29.17	0
5/14/20 8:15	6.908	172	9.64	10.47	29.17	0
5/14/20 8:30	6.947	178.3	11.82	10.57	29.17	0
5/14/20 8:45	7.733	191	12.2	10.73	29.17	0
5/14/20 9:00	7.776	179.2	12.18	10.89	29.19	0
5/14/20 9:15	6.851	193.4	17.3	11.78	29.19	0
5/14/20 9:30	8.51	212	13.41	11.26	29.19	0
5/14/20 9:45	5.316	196.6	15.75	11.43	29.19	0
5/14/20 10:00	4.654	176.8	34.42	12.08	29.19	0
5/14/20 10:15	4.68	174.2	16.53	12.29	29.19	0
5/14/20 10:30	2.448	191.3	37.06	13.08	29.19	0
5/14/20 10:45	3.856	183.4	44.41	13.14	29.19	0
5/14/20 11:00	3.121	232.1	42.78	12.49	29.18	0
5/14/20 11:15	3.616	266.3	13.28	12.48	29.18	0
5/14/20 11:30	3.002	298.6	15.69	12.65	29.18	0
5/14/20 11:45	3.038	309.6	32.18	13.46	29.18	0
5/14/20 12:00	2.932	313.6	39.2	13.49	29.16	0
5/14/20 12:15	3.619	314.9	34.37	14.09	29.16	0
5/14/20 12:30	3.413	298.4	31.45	14.7	29.16	0
5/14/20 12:45	3.448	282.6	27.69	14.05	29.16	0
5/14/20 13:00	2.756	201.7	37.25	14.59	29.15	0
5/14/20 13:15	2.028	297.5	25.83	14.57	29.15	0
5/14/20 13:30	1.946	274.3	31.07	14.53	29.15	0
5/14/20 13:45	2.07	311	42.06	14.81	29.15	0
5/14/20 14:00	3.317	325.6	31.67	16.27	29.15	0
5/14/20 14:15	3.734	277.2	52.3	16.23	29.15	0
5/14/20 14:30	3.251	327	49.63	15.98	29.15	0
5/14/20 14:45	4.046	316.5	31.46	16.24	29.15	0
5/14/20 15:00	4.65	215.2	29.45	16.78	29.17	0
5/14/20 15:15	3.748	294.1	28.33	16.86	29.17	0
5/14/20 15:30	4.882	245.2	51.63	17.03	29.17	0
5/14/20 15:45	4.403	292.9	50.77	17.37	29.17	0
5/14/20 16:00	8.01	278.9	39.56	17.31	29.16	0
5/14/20 16:15	6.167	323.9	10.26	16.64	29.16	0
5/14/20 16:30	4.074	322.7	16.6	16.72	29.16	0
5/14/20 16:45	3.352	343.3	24.36	17.53	29.16	0
5/14/20 17:00	2.538	353.1	54.35	16.9	29.15	0
5/14/20 17:15	4.602	265.7	20.42	16.96	29.15	0
5/14/20 17:30	2.378	257	33.13	17.54	29.15	0
5/14/20 17:45	5.405	250.2	19.17	17.33	29.15	0
5/14/20 18:00	6.121	253.6	12.65	17	29.17	0
5/14/20 18:15	4.752	235.7	14.25	16.53	29.17	0
5/14/20 18:30	5.642	252.5	12.76	16.62	29.17	0
5/14/20 18:45	5.597	247.1	9.26	16.46	29.17	0
5/14/20 19:00	10.09	232.8	9.04	15.85	29.18	0
5/14/20 19:15	12.06	229.7	9.42	14.71	29.18	0
5/14/20 19:30	10.29	219.6	8.69	14.22	29.18	0
5/14/20 19:45	10.14	220.3	7.437	13.73	29.18	0
5/14/20 20:00	6.897	204.6	11.95	13.37	29.2	0
5/14/20 20:15	7.246	185.4	9.75	13.08	29.2	0
5/14/20 20:30	7.244	186.3	9.39	12.85	29.2	0
5/14/20 20:45	6.958	197.4	6.303	12.76	29.2	0
5/14/20 21:00	4.853	180.1	11.03	12.56	29.23	0
5/14/20 21:15	5.81	179	7.823	12.35	29.23	0
5/14/20 21:30	5.828	196.1	7.883	12.33	29.23	0
5/14/20 21:45	4.991	195.8	8.54	12.38	29.23	0
5/14/20 22:00	6.283	208.2	11.47	12.43	29.24	0
5/14/20 22:15	6.33	210.6	6.841	12.4	29.24	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/14/20 22:30	4.231	187.1	14.97	12.35	29.24	0
5/14/20 22:45	2.609	158.4	21.04	12.31	29.24	0
5/14/20 23:00	2.942	143.1	10.31	12.12	29.27	0
5/14/20 23:15	2.399	154.1	14.99	11.8	29.27	0
5/14/20 23:30	4.26	160.6	10.75	11.8	29.27	0
5/14/20 23:45	2.857	121.3	13.4	11.6	29.27	0
5/15/20 0:00	3.155	138.8	10.43	11.36	29.29	0
5/15/20 0:15	3.023	153.3	5.844	11.23	29.29	0
5/15/20 0:30	2.516	143.6	15.56	11.24	29.29	0
5/15/20 0:45	4.13	187.4	13.06	11.39	29.29	0
5/15/20 1:00	4.479	178.3	9.24	11.27	29.28	0
5/15/20 1:15	2.87	161.3	10.22	11.09	29.28	0
5/15/20 1:30	4.468	164	16.49	10.86	29.28	0.01
5/15/20 1:45	5.136	177.1	8.35	10.85	29.28	0
5/15/20 2:00	4.152	167.6	8.48	10.65	29.3	0
5/15/20 2:15	3.459	162	11.96	10.64	29.3	0
5/15/20 2:30	3.028	152.5	5.129	10.27	29.3	0
5/15/20 2:45	2.577	171.1	11.65	10.39	29.3	0
5/15/20 3:00	2.034	148.8	14.51	10.39	29.32	0
5/15/20 3:15	1.772	159	7.26	10.29	29.32	0
5/15/20 3:30	2.762	157.5	6.389	10.31	29.32	0
5/15/20 3:45	2.771	156.9	12.64	10.12	29.32	0
5/15/20 4:00	3.723	150.8	12.92	10.16	29.31	0
5/15/20 4:15	3.332	155.6	20.8	10.02	29.31	0
5/15/20 4:30	4.548	186.2	4.511	10.06	29.31	0
5/15/20 4:45	4.921	193.9	6.169	10	29.31	0
5/15/20 5:00	4.452	191.8	10.27	10.04	29.32	0
5/15/20 5:15	4.258	188.1	10.48	9.96	29.32	0
5/15/20 5:30	5.398	187.2	14.37	10.03	29.32	0
5/15/20 5:45	5.081	172.3	6.088	9.88	29.32	0
5/15/20 6:00	3.283	179.9	9.54	10.18	29.32	0
5/15/20 6:15	3.607	177.6	6.669	10.31	29.32	0
5/15/20 6:30	3.579	176.4	7.98	10.41	29.32	0
5/15/20 6:45	4.211	175.6	16.56	10.61	29.32	0
5/15/20 7:00	4.979	189.7	8.26	10.61	29.35	0
5/15/20 7:15	6.458	197.5	7.485	10.72	29.35	0
5/15/20 7:30	4.519	168.7	16.5	11.18	29.35	0
5/15/20 7:45	5.425	145.4	17.4	12.04	29.35	0
5/15/20 8:00	5.715	157.6	20.05	12.27	29.33	0
5/15/20 8:15	5.849	137.7	25.81	13.29	29.33	0
5/15/20 8:30	7.02	115.1	25	13.46	29.33	0
5/15/20 8:45	5.907	136.3	13.59	13.12	29.33	0
5/15/20 9:00	5.182	182.5	29.69	13.84	29.35	0
5/15/20 9:15	5.936	168.9	25.76	14.26	29.35	0
5/15/20 9:30	7.735	182.6	15.85	13.54	29.35	0
5/15/20 9:45	5.811	182.8	18.48	13.42	29.35	0
5/15/20 10:00	6.71	200.7	21.19	13.91	29.33	0
5/15/20 10:15	4.537	159.9	25.41	14.66	29.33	0
5/15/20 10:30	3.829	143.6	52.24	14.82	29.33	0
5/15/20 10:45	5.047	185.1	41.93	15.55	29.33	0
5/15/20 11:00	3.85	120.1	36.71	15.98	29.34	0
5/15/20 11:15	2.077	296.3	71.97	15.98	29.34	0
5/15/20 11:30	4.147	275	35.68	16.22	29.34	0
5/15/20 11:45	5.047	224.6	34.42	16.46	29.34	0
5/15/20 12:00	4.059	212.6	37.71	16.61	29.31	0
5/15/20 12:15	4.535	258.5	29.82	16.75	29.31	0
5/15/20 12:30	6.531	251.9	13	16.17	29.31	0
5/15/20 12:45	3.643	274.7	50.94	15.82	29.31	0
5/15/20 13:00	3.789	282.2	29.99	16.17	29.33	0
5/15/20 13:15	2.676	22.27	38.19	16.7	29.33	0
5/15/20 13:30	4.779	15.51	36.64	16.94	29.33	0
5/15/20 13:45	2.629	28.46	41.24	17.03	29.33	0
5/15/20 14:00	2.196	345.6	31.16	17.27	29.3	0
5/15/20 14:15	1.905	42.47	58.25	18.32	29.3	0
5/15/20 14:30	3.381	161.1	73.5	18.89	29.3	0
5/15/20 14:45	2.881	27.81	51.92	18.42	29.3	0
5/15/20 15:00	2.785	18.31	42.79	18.89	29.29	0
5/15/20 15:15	2.557	291.3	64.36	18.54	29.29	0
5/15/20 15:30	6.826	214.3	14.26	18.15	29.29	0
5/15/20 15:45	5.074	220.4	16.54	18.26	29.29	0
5/15/20 16:00	3.538	237.7	38.44	18.58	29.26	0
5/15/20 16:15	4.164	267.4	31.51	18.42	29.26	0
5/15/20 16:30	2.239	313.3	36.14	18.44	29.26	0
5/15/20 16:45	5.642	258.7	18.8	17.9	29.26	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/15/20 17:00	2.983	287.6	28.69	18.77	29.25	0
5/15/20 17:15	2.705	339.5	30.37	18.77	29.25	0
5/15/20 17:30	3.082	7.307	20.4	17.92	29.25	0
5/15/20 17:45	4.699	9.34	10.48	17.61	29.25	0
5/15/20 18:00	2.527	354.8	20.18	18.06	29.23	0
5/15/20 18:15	1.511	348.7	16.8	19.23	29.23	0
5/15/20 18:30	2.195	326.4	30.18	17.98	29.23	0
5/15/20 18:45	1.792	255.3	31.95	18.15	29.23	0
5/15/20 19:00	1.387	345.5	20.93	18.26	29.23	0
5/15/20 19:15	1.566	4.737	15.38	17.04	29.23	0
5/15/20 19:30	1.339	342.7	1.455	16.97	29.23	0
5/15/20 19:45	0.944	348.9	10.79	16.43	29.23	0
5/15/20 20:00	2.619	14.53	5.77	15.72	29.22	0
5/15/20 20:15	2.874	36.03	5.242	15.25	29.22	0
5/15/20 20:30	2.923	29.75	4.456	14.69	29.22	0
5/15/20 20:45	2.861	35.73	3.811	14.27	29.22	0
5/15/20 21:00	1.353	38.96	0.81	14.48	29.21	0
5/15/20 21:15	1.806	54.34	9.39	14.47	29.21	0
5/15/20 21:30	2.914	119	18.83	13.58	29.21	0
5/15/20 21:45	2.746	114.8	27.46	14.11	29.21	0
5/15/20 22:00	3.156	84.5	7.594	12.46	29.21	0
5/15/20 22:15	2.655	102.7	5.854	12.74	29.21	0
5/15/20 22:30	3.357	108.2	6.671	12.65	29.21	0
5/15/20 22:45	3.08	125.2	10.2	12.94	29.21	0
5/15/20 23:00	4.021	122.1	10.11	12.87	29.2	0
5/15/20 23:15	4.167	131.7	8.19	12.53	29.2	0
5/15/20 23:30	3.428	107.8	3.529	12.32	29.2	0
5/15/20 23:45	4.091	97	8.57	11.59	29.2	0
5/16/20 0:00	4.825	95.6	8.75	11.76	29.17	0
5/16/20 0:15	3.528	150.8	27.53	11.93	29.17	0
5/16/20 0:30	4.298	209	3.319	11.89	29.17	0
5/16/20 0:45	4.179	177.4	17.31	11.12	29.17	0
5/16/20 1:00	3.713	133.1	12.79	11.6	29.14	0
5/16/20 1:15	5.084	114.6	13.58	11.8	29.14	0
5/16/20 1:30	3.81	77.8	16.03	11.24	29.14	0
5/16/20 1:45	3.747	153.5	12.28	11.39	29.14	0
5/16/20 2:00	4.617	173.7	12.66	11.5	29.14	0
5/16/20 2:15	5.172	173.7	13.4	11.2	29.14	0
5/16/20 2:30	5.564	166.3	11.06	11.12	29.14	0
5/16/20 2:45	2.672	133.5	8.45	11.03	29.14	0
5/16/20 3:00	3.841	151.6	16.15	11.5	29.13	0
5/16/20 3:15	3.675	146.2	12.43	11.62	29.13	0
5/16/20 3:30	3.932	141.7	16.03	11.5	29.13	0
5/16/20 3:45	4.03	132.9	22.74	11.56	29.13	0
5/16/20 4:00	4.979	52.82	22.97	11.58	29.1	0
5/16/20 4:15	4.275	152.7	67.9	11.48	29.1	0
5/16/20 4:30	6.229	184	13.79	12.17	29.1	0
5/16/20 4:45	3.872	153	18.07	11.22	29.1	0
5/16/20 5:00	3.711	55.57	50.51	11.28	29.12	0
5/16/20 5:15	2.94	16.57	11.61	12.09	29.12	0
5/16/20 5:30	1.851	69.95	29.4	12.74	29.12	0
5/16/20 5:45	3.295	94.1	18.1	12.44	29.12	0
5/16/20 6:00	4.666	91	14.39	12.24	29.08	0
5/16/20 6:15	3.132	86.7	13.49	12.32	29.08	0
5/16/20 6:30	2.11	88.5	9.65	12.46	29.08	0
5/16/20 6:45	1.782	60.06	7.897	12.44	29.08	0
5/16/20 7:00	3.043	73.1	10.38	12.07	29.08	0
5/16/20 7:15	3.156	63.62	7.011	12.14	29.08	0
5/16/20 7:30	4.941	52.43	16.08	11.74	29.08	0
5/16/20 7:45	4.683	21.27	9.54	12.24	29.08	0.01
5/16/20 8:00	5.762	25.97	9.25	12.82	29.03	0
5/16/20 8:15	4.164	33.48	9.99	13.25	29.03	0
5/16/20 8:30	3.294	20.01	10.35	13.48	29.03	0
5/16/20 8:45	3.381	23.99	8.41	13.75	29.03	0
5/16/20 9:00	1.974	68.18	33.55	14.52	29.02	0
5/16/20 9:15	3.493	108.9	17.81	15.18	29.02	0
5/16/20 9:30	7.317	128.9	14.9	15.28	29.02	0
5/16/20 9:45	11.81	125.5	13.1	15.35	29.02	0
5/16/20 10:00	10.79	92.1	12.58	15.07	29.02	0
5/16/20 10:15	8.18	80.9	12.19	15.11	29.02	0
5/16/20 10:30	8.83	87.8	11.1	15.69	29.02	0.01
5/16/20 10:45	4.541	121.6	37.26	16.32	29.02	0
5/16/20 11:00	4.385	238.8	27.12	16.44	29	0
5/16/20 11:15	2.352	159.9	48.78	16.34	29	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/16/20 11:30	4.211	155.3	17.03	16.39	29	0
5/16/20 11:45	5.405	153	17.12	16.36	29	0
5/16/20 12:00	7.138	239.7	25.95	16.37	29.01	0
5/16/20 12:15	8.1	235.9	28.71	16.29	29.01	0
5/16/20 12:30	8.56	263.7	8.54	14.95	29.01	0
5/16/20 12:45	8.55	265.2	5.759	14.52	29.01	0
5/16/20 13:00	6.19	285.3	21.76	14.41	28.98	0.01
5/16/20 13:15	4.683	333.1	17.44	14.23	28.98	0
5/16/20 13:30	4.513	314.3	11.63	14.41	28.98	0.01
5/16/20 13:45	3.898	350.6	20.58	14.52	28.98	0
5/16/20 14:00	3.666	10.9	30.55	14.62	28.98	0.01
5/16/20 14:15	2.832	9.19	44.52	14.9	28.98	0
5/16/20 14:30	4.043	42.84	7.148	14.84	28.98	0.01
5/16/20 14:45	6.186	42.51	8.55	14.74	28.98	0
5/16/20 15:00	6.024	30.87	8.37	14.56	28.95	0
5/16/20 15:15	6.359	34.71	13.31	14.99	28.95	0
5/16/20 15:30	6.142	57.16	23.36	15.37	28.95	0
5/16/20 15:45	4.926	78.86	24.52	15.37	28.95	0
5/16/20 16:00	3.021	66.12	15.03	15.47	28.91	0
5/16/20 16:15	2.914	13.1	11.52	15.51	28.91	0
5/16/20 16:30	1.913	19.83	6.235	15.43	28.91	0
5/16/20 16:45	4.332	17.88	8.17	14.79	28.91	0
5/16/20 17:00	3.628	23.15	13.21	15	28.92	0
5/16/20 17:15	4.687	29.82	11.72	14.66	28.92	0
5/16/20 17:30	5.801	27.5	7.672	14.69	28.92	0
5/16/20 17:45	5.446	30.12	8.91	14.64	28.92	0
5/16/20 18:00	5.11	24.81	11.04	14.71	28.88	0
5/16/20 18:15	4.334	20.75	11.84	14.71	28.88	0
5/16/20 18:30	3.405	20.04	5.715	15	28.88	0
5/16/20 18:45	5.018	14.1	7.419	14.84	28.88	0
5/16/20 19:00	4.237	16.32	12.31	14.61	28.87	0
5/16/20 19:15	3.973	12.94	13.28	14.16	28.87	0
5/16/20 19:30	3.281	7.91	16.47	14.41	28.87	0
5/16/20 19:45	2.756	351	68.07	15.42	28.87	0
5/16/20 20:00	9.81	244.5	13.89	15.46	28.9	0
5/16/20 20:15	9.64	274.3	18.22	14.19	28.9	0.01
5/16/20 20:30	7.682	292.1	12.22	13.75	28.9	0.01
5/16/20 20:45	4.782	327.3	23.78	13.5	28.9	0.01
5/16/20 21:00	3.984	311.5	14.89	13.14	28.9	0
5/16/20 21:15	6.347	267.9	12.99	13.15	28.9	0
5/16/20 21:30	5.952	260.7	9.76	13.12	28.9	0.02
5/16/20 21:45	8.76	265.9	10.65	13	28.9	0.05
5/16/20 22:00	9.39	255	11.99	12.83	28.92	0.07
5/16/20 22:15	9.56	267.4	12.47	12.5	28.92	0.06
5/16/20 22:30	5.492	278.5	22.03	12.28	28.92	0.04
5/16/20 22:45	4.476	90	12.45	12.09	28.92	0.03
5/16/20 23:00	4.978	106.7	12.17	12.05	28.9	0.04
5/16/20 23:15	5.072	98.7	8.56	11.82	28.9	0.05
5/16/20 23:30	5.196	94.6	5.135	11.76	28.9	0.05
5/16/20 23:45	5.024	91.8	6.616	11.79	28.9	0.03
5/17/20 0:00	5.177	81.4	7.976	11.71	28.89	0.01
5/17/20 0:15	4.248	81.7	10.37	11.67	28.89	0.01
5/17/20 0:30	5.408	106.8	9	11.61	28.89	0.03
5/17/20 0:45	5.082	97.9	8.66	11.71	28.89	0.01
5/17/20 1:00	6.508	114.5	14.43	11.92	28.91	0
5/17/20 1:15	8.47	158	41.29	11.98	28.91	0.02
5/17/20 1:30	6.621	203.5	11	11.4	28.91	0.03
5/17/20 1:45	3.657	184	16.27	11.27	28.91	0
5/17/20 2:00	4.781	169.3	7.917	11.25	28.9	0.01
5/17/20 2:15	4.529	189.1	11.79	11.28	28.9	0
5/17/20 2:30	3.941	206.7	16.05	11.22	28.9	0.01
5/17/20 2:45	4.393	205.9	9.63	11.14	28.9	0
5/17/20 3:00	3.954	181.8	13.52	11.03	28.93	0.01
5/17/20 3:15	2.057	167	8.79	10.86	28.93	0.01
5/17/20 3:30	3.949	170	11.21	10.81	28.93	0.01
5/17/20 3:45	3.08	169.4	5.941	10.83	28.93	0
5/17/20 4:00	4.46	187.8	11.77	10.97	28.91	0
5/17/20 4:15	5.64	193.1	8.45	10.93	28.91	0
5/17/20 4:30	4.221	154.4	14.26	10.79	28.91	0
5/17/20 4:45	4.402	141	7.532	10.63	28.91	0
5/17/20 5:00	5.161	145.3	9.54	10.61	28.93	0
5/17/20 5:15	5.543	171.8	7.886	10.61	28.93	0.02
5/17/20 5:30	6.912	170.9	5.556	10.58	28.93	0.01
5/17/20 5:45	6.069	169.1	5.793	10.53	28.93	0.01

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/17/20 6:00	4.546	153.4	7.237	10.59	28.94	0
5/17/20 6:15	4.706	148.9	8.26	10.57	28.94	0
5/17/20 6:30	5.675	146.2	8.76	10.55	28.94	0.01
5/17/20 6:45	4.901	164.9	10.34	10.61	28.94	0.01
5/17/20 7:00	4.197	145	13.83	10.69	28.93	0.01
5/17/20 7:15	5.221	138.8	6.505	10.69	28.93	0
5/17/20 7:30	5.024	144	13.93	10.75	28.93	0
5/17/20 7:45	5.225	168.7	8.16	10.75	28.93	0.01
5/17/20 8:00	2.856	157.2	19.45	11.16	28.95	0
5/17/20 8:15	1.839	101.3	14.61	11.22	28.95	0.01
5/17/20 8:30	2.982	54.05	16.14	11.5	28.95	0
5/17/20 8:45	4.228	84	19.72	12.2	28.95	0
5/17/20 9:00	4.346	86.8	12.25	12.61	28.92	0
5/17/20 9:15	3.256	98.7	19.59	13.37	28.92	0
5/17/20 9:30	0.496	79.81	64.86	13.3	28.92	0
5/17/20 9:45	0.309	18.67	17.05	13.08	28.92	0
5/17/20 10:00	0.756	9.49	24.33	13.25	28.94	0
5/17/20 10:15	1.85	71.91	37.14	13.27	28.94	0
5/17/20 10:30	2.995	97	16.14	13.26	28.94	0
5/17/20 10:45	4.27	57.09	16.86	14.03	28.94	0
5/17/20 11:00	2.651	115.4	27.52	14.11	28.92	0
5/17/20 11:15	2.344	124.9	16.62	14.23	28.92	0
5/17/20 11:30	2.281	56.23	33.62	14.68	28.92	0
5/17/20 11:45	2.894	75.99	12.84	14.97	28.92	0
5/17/20 12:00	1.651	26.83	25.66	15.35	28.9	0
5/17/20 12:15	2.431	303.9	38.06	15.89	28.9	0
5/17/20 12:30	3.136	298.6	42.56	16.13	28.9	0
5/17/20 12:45	2.921	319.2	30.01	15.9	28.9	0
5/17/20 13:00	3.23	283.1	23.89	16.28	28.92	0
5/17/20 13:15	2.804	294.8	23.12	16.1	28.92	0
5/17/20 13:30	2.17	304	14.18	16.1	28.92	0
5/17/20 13:45	3.956	330.4	20.59	16.51	28.92	0
5/17/20 14:00	3.745	356.3	25.29	16.72	28.89	0
5/17/20 14:15	5.129	321.8	26.63	16.66	28.89	0
5/17/20 14:30	5.842	358.1	16.07	16.82	28.89	0
5/17/20 14:45	5.715	16.25	18.26	16.66	28.89	0
5/17/20 15:00	5.902	19.3	22.05	16.71	28.88	0
5/17/20 15:15	7.059	12.5	10.33	16.04	28.88	0
5/17/20 15:30	6.612	6.95	8.72	15.98	28.88	0
5/17/20 15:45	5.993	7.871	10.85	17.06	28.88	0
5/17/20 16:00	5.977	16.47	14.9	16.84	28.9	0
5/17/20 16:15	4.859	24.7	16.04	16.86	28.9	0
5/17/20 16:30	3.359	38.97	19.03	17.55	28.9	0
5/17/20 16:45	2.891	357.1	17.88	17.21	28.9	0
5/17/20 17:00	4.455	13.35	12.23	17.48	28.88	0
5/17/20 17:15	3.89	41.63	7.853	17.72	28.88	0
5/17/20 17:30	5.661	36.15	13.91	17.83	28.88	0
5/17/20 17:45	3.225	12.47	20.05	18.1	28.88	0
5/17/20 18:00	5.499	236.5	35.84	18.15	28.89	0
5/17/20 18:15	6.535	250.8	9.45	17.56	28.89	0
5/17/20 18:30	4.866	257.4	8.37	16.69	28.89	0
5/17/20 18:45	6.735	254.7	8.97	16.7	28.89	0
5/17/20 19:00	9.79	278.4	14.45	16.54	28.92	0
5/17/20 19:15	11.28	299.8	10.16	16.05	28.92	0
5/17/20 19:30	10.48	306.9	4.861	14.93	28.92	0
5/17/20 19:45	8.58	307.2	6.026	14.35	28.92	0
5/17/20 20:00	7.331	314.2	6.208	14.1	28.92	0
5/17/20 20:15	5.15	334.3	29.15	14.05	28.92	0
5/17/20 20:30	4.157	24.75	20.38	13.88	28.92	0
5/17/20 20:45	5.732	25.63	20.46	13.58	28.92	0
5/17/20 21:00	6.859	33.99	8.32	13.5	28.93	0
5/17/20 21:15	7.102	38.86	15.51	12.4	28.93	0
5/17/20 21:30	7.42	64.55	10.55	12.48	28.93	0
5/17/20 21:45	6.223	50.56	11.97	12.17	28.93	0
5/17/20 22:00	10.03	29.11	13.99	11.96	28.93	0
5/17/20 22:15	11.51	20.89	6.748	12.07	28.93	0
5/17/20 22:30	9.07	23.6	8.66	11.96	28.93	0
5/17/20 22:45	9.12	24.19	6.818	12.1	28.93	0
5/17/20 23:00	5.792	33.01	10.65	11.77	28.95	0
5/17/20 23:15	6.537	21.99	8.62	11.54	28.95	0
5/17/20 23:30	6.855	30.6	7.301	11.81	28.95	0
5/17/20 23:45	4.541	31.57	9.24	11.28	28.95	0
5/18/20 0:00	4.96	6.065	8.46	11.22	28.95	0
5/18/20 0:15	4.311	4.908	10.72	10.99	28.95	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/18/20 0:30	5.426	359.6	12.77	11.07	28.95	0
5/18/20 0:45	5.993	3.897	14.8	10.69	28.95	0
5/18/20 1:00	5.072	25.76	9.4	10.69	28.92	0
5/18/20 1:15	5.437	30.05	16.96	10.97	28.92	0
5/18/20 1:30	4.605	62.55	22.72	9.89	28.92	0
5/18/20 1:45	9.25	27.36	8.59	10.29	28.92	0
5/18/20 2:00	6.379	48.23	11.35	9.7	28.93	0
5/18/20 2:15	4.598	73.83	12.47	9.84	28.93	0
5/18/20 2:30	4.826	23.75	10.12	10.1	28.93	0
5/18/20 2:45	5.042	27.81	7.305	10.11	28.93	0
5/18/20 3:00	5.855	26.5	10.26	9.66	28.92	0
5/18/20 3:15	4.209	10.47	9.89	9.5	28.92	0
5/18/20 3:30	3.458	3.786	11.81	9.65	28.92	0
5/18/20 3:45	4.913	15.57	8.57	9.77	28.92	0
5/18/20 4:00	6.056	22.57	7.336	9.07	28.92	0
5/18/20 4:15	7.626	42.83	12.49	9.02	28.92	0
5/18/20 4:30	8.21	46.91	8.65	9.01	28.92	0
5/18/20 4:45	7.839	42.85	7.802	9.03	28.92	0
5/18/20 5:00	6.455	29.93	8.57	8.83	28.95	0
5/18/20 5:15	4.584	36.93	5.498	8.94	28.95	0
5/18/20 5:30	4.18	39.59	5.58	8.73	28.95	0
5/18/20 5:45	3.683	18.75	6.295	8.75	28.95	0
5/18/20 6:00	2.207	350.2	24.24	9.44	28.97	0
5/18/20 6:15	1.557	42.89	22.02	10.49	28.97	0
5/18/20 6:30	1.238	90.8	8.53	10.49	28.97	0
5/18/20 6:45	2.017	128.1	19.14	10.01	28.97	0
5/18/20 7:00	1.736	48.45	8.21	10.14	28.97	0
5/18/20 7:15	2.38	39.08	3.336	10.33	28.97	0
5/18/20 7:30	2.598	40.32	5.81	10.29	28.97	0
5/18/20 7:45	1.798	37.55	8.01	10.55	28.97	0
5/18/20 8:00	2.469	28.27	9.68	10.65	28.97	0
5/18/20 8:15	2.28	27.36	9.01	10.94	28.97	0
5/18/20 8:30	2.419	40.14	8.6	11.22	28.97	0
5/18/20 8:45	3.786	44.18	17.22	11.93	28.97	0
5/18/20 9:00	3.624	35.13	14.15	12.07	28.96	0
5/18/20 9:15	3.983	26.66	12.65	12.52	28.96	0
5/18/20 9:30	4.444	25.58	15.03	12.76	28.96	0
5/18/20 9:45	4.331	24.39	11.3	12.83	28.96	0
5/18/20 10:00	2.95	349.4	34.2	13.71	28.97	0
5/18/20 10:15	4.168	350.5	22.5	14.52	28.97	0
5/18/20 10:30	4.198	317.1	16.53	15.3	28.97	0
5/18/20 10:45	7.546	312.3	15.45	15.42	28.97	0
5/18/20 11:00	10.76	318.4	13.04	16.62	28.97	0
5/18/20 11:15	10.99	314.4	11.33	16.8	28.97	0
5/18/20 11:30	12.92	319.6	11.31	16.59	28.97	0
5/18/20 11:45	13.74	318.8	8.71	17.22	28.97	0
5/18/20 12:00	13.4	320.9	7.249	17.09	28.99	0
5/18/20 12:15	9.44	357.1	23.81	16.81	28.99	0
5/18/20 12:30	7.901	22.45	14.36	16.59	28.99	0
5/18/20 12:45	6.374	10.46	18.27	17.25	28.99	0
5/18/20 13:00	8.74	9.63	13.54	17.39	28.97	0
5/18/20 13:15	7.524	338.6	17.43	17.87	28.97	0
5/18/20 13:30	7.793	14.83	30.29	17.75	28.97	0
5/18/20 13:45	5.374	12.32	39.19	18.07	28.97	0
5/18/20 14:00	5.778	9.32	50.95	18.12	28.99	0
5/18/20 14:15	8.2	318.9	31.28	18.9	28.99	0
5/18/20 14:30	9.41	327.6	13.24	18.74	28.99	0
5/18/20 14:45	8.96	299.1	20.95	18.97	28.99	0
5/18/20 15:00	9.69	306.2	14.47	18.74	28.99	0
5/18/20 15:15	10.92	319	9.03	18.08	28.99	0
5/18/20 15:30	10.16	302.7	9.55	17.95	28.99	0
5/18/20 15:45	11.47	298.3	7.878	17.36	28.99	0
5/18/20 16:00	10.28	297.4	11.26	17.15	29	0
5/18/20 16:15	7.681	309.7	13.28	17	29	0
5/18/20 16:30	7.31	297.6	8.86	16.84	29	0
5/18/20 16:45	6.189	297.5	10.67	17.35	29	0
5/18/20 17:00	5.547	262.2	16.95	18.02	29.03	0
5/18/20 17:15	7.295	302.2	18.56	18.32	29.03	0
5/18/20 17:30	8.97	304.6	13.29	18.3	29.03	0
5/18/20 17:45	8.5	310	17.59	18.06	29.03	0
5/18/20 18:00	7.617	315.4	10.11	18.07	29.03	0
5/18/20 18:15	8.4	311.4	10.17	17.8	29.03	0
5/18/20 18:30	6.929	303.4	13.35	17.55	29.03	0
5/18/20 18:45	5.339	301.2	12.39	17.65	29.03	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/18/20 19:00	4.546	286.4	10.27	17.39	29.03	0
5/18/20 19:15	5.038	280	6.869	16.82	29.03	0
5/18/20 19:30	6.053	283.3	5.807	16.43	29.03	0
5/18/20 19:45	5.516	289.8	4.137	16.16	29.03	0
5/18/20 20:00	4.436	276.7	5.641	15.86	29.05	0
5/18/20 20:15	4.467	284.9	8.72	15.66	29.05	0
5/18/20 20:30	3.095	339.7	17.09	15.58	29.05	0
5/18/20 20:45	1.935	27.98	6.635	14.91	29.05	0
5/18/20 21:00	1.612	358.7	20.94	15.03	29.09	0
5/18/20 21:15	3.484	275.4	19.81	15.16	29.09	0
5/18/20 21:30	5.072	241.6	9.26	14.65	29.09	0
5/18/20 21:45	6.538	243.9	9.18	13.96	29.09	0
5/18/20 22:00	4.319	262.5	9.74	13.73	29.11	0
5/18/20 22:15	5.148	272	10.05	13.23	29.11	0
5/18/20 22:30	6.008	251	5.662	13	29.11	0
5/18/20 22:45	5.613	229.3	7.919	12.68	29.11	0
5/18/20 23:00	3.077	193.6	18.38	12.35	29.13	0
5/18/20 23:15	3.892	202.3	8.16	12	29.13	0
5/18/20 23:30	4.701	225.6	8.64	12.15	29.13	0
5/18/20 23:45	4.936	246	10.63	12.13	29.13	0
5/19/20 0:00	4.128	265.5	8.15	11.9	29.14	0
5/19/20 0:15	4.067	264	9.91	11.67	29.14	0
5/19/20 0:30	2.097	251.5	23.58	11.46	29.14	0
5/19/20 0:45	3.446	181.3	14.27	11.43	29.14	0
5/19/20 1:00	6.169	199	9.88	11.36	29.16	0
5/19/20 1:15	6.407	205.2	6.347	11.24	29.16	0
5/19/20 1:30	6.935	194.7	6.507	11.18	29.16	0
5/19/20 1:45	7.287	201.5	7.157	10.92	29.16	0
5/19/20 2:00	7.644	194.3	9.11	10.85	29.14	0
5/19/20 2:15	7.317	198	6.013	10.71	29.14	0
5/19/20 2:30	7.205	181.6	12.21	10.63	29.14	0
5/19/20 2:45	5.812	181.8	9.03	10.49	29.14	0
5/19/20 3:00	6.44	174.1	13.97	10.45	29.17	0
5/19/20 3:15	6.945	168.6	10.95	10.3	29.17	0
5/19/20 3:30	6.19	156.6	10.56	10.31	29.17	0
5/19/20 3:45	5.638	160.6	6.822	10.19	29.17	0
5/19/20 4:00	5.163	148.2	6.632	10.17	29.17	0
5/19/20 4:15	5.054	147.4	6.906	10.18	29.17	0
5/19/20 4:30	4.299	139.6	6.992	10.18	29.17	0
5/19/20 4:45	4.017	138	7.588	10.2	29.17	0
5/19/20 5:00	4.25	148.3	7.719	10.22	29.16	0
5/19/20 5:15	4.078	150.9	3.926	10.25	29.16	0
5/19/20 5:30	3.203	156.4	7.636	10.33	29.16	0
5/19/20 5:45	4.149	189	8.8	10.54	29.16	0
5/19/20 6:00	4.876	185.3	8.96	10.51	29.19	0
5/19/20 6:15	3.454	180.7	14.11	10.71	29.19	0
5/19/20 6:30	4.666	170.9	17.93	10.69	29.19	0
5/19/20 6:45	4.44	166.5	16.09	10.79	29.19	0
5/19/20 7:00	3.956	196	12.97	10.89	29.19	0
5/19/20 7:15	3.821	160.3	21.96	11.09	29.19	0
5/19/20 7:30	4.578	166.5	22.07	11.03	29.19	0
5/19/20 7:45	4.593	193.6	13.93	11.38	29.19	0
5/19/20 8:00	3.641	174	23.97	11.72	29.22	0
5/19/20 8:15	4.252	197.7	16.99	11.87	29.22	0
5/19/20 8:30	5.021	191.8	16.84	11.98	29.22	0
5/19/20 8:45	4.048	183.7	21.5	11.9	29.22	0
5/19/20 9:00	3.844	191.1	21.83	11.98	29.21	0
5/19/20 9:15	2.678	146.6	20.72	12.38	29.21	0
5/19/20 9:30	2.37	146.4	24.56	12.5	29.21	0
5/19/20 9:45	3.663	142.7	24.5	12.5	29.21	0
5/19/20 10:00	4.181	186.5	23.98	12.46	29.21	0
5/19/20 10:15	3.966	169.4	20.82	12.33	29.21	0
5/19/20 10:30	4.477	219.9	20.27	12.33	29.21	0
5/19/20 10:45	3.416	226.1	19.2	12.5	29.21	0
5/19/20 11:00	3.618	213.2	27.5	13.24	29.22	0
5/19/20 11:15	1.89	221.3	47.57	13.89	29.22	0
5/19/20 11:30	2.258	223.8	75.45	13.96	29.22	0
5/19/20 11:45	2.57	250.4	12.55	13.89	29.22	0
5/19/20 12:00	4.654	271.9	23.98	13.75	29.19	0
5/19/20 12:15	4.172	271.2	15.28	13.35	29.19	0
5/19/20 12:30	3.638	274	29.83	13.66	29.19	0
5/19/20 12:45	5.004	278.7	14.41	14.02	29.19	0
5/19/20 13:00	3.856	265.1	24.29	14.54	29.22	0
5/19/20 13:15	3.118	263.8	24.17	14.71	29.22	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/19/20 13:30	5.5	220.6	24.15	14.63	29.22	0
5/19/20 13:45	6.106	207.6	12.55	14.2	29.22	0
5/19/20 14:00	5.45	193.9	16.18	14.28	29.2	0
5/19/20 14:15	4.221	215.1	21.12	14.57	29.2	0
5/19/20 14:30	4.218	171.3	24.82	14.47	29.2	0
5/19/20 14:45	3.074	190.1	16.87	14.54	29.2	0
5/19/20 15:00	3.875	122	9.7	14.55	29.19	0
5/19/20 15:15	3.738	134.1	12.41	14.42	29.19	0
5/19/20 15:30	3.075	163.8	16.41	14.49	29.19	0
5/19/20 15:45	5.291	178.5	15.15	14.46	29.19	0
5/19/20 16:00	4.479	168.8	18.06	14.48	29.22	0
5/19/20 16:15	3.914	151.4	10.67	14.47	29.22	0
5/19/20 16:30	4.577	155.2	7.841	14.58	29.22	0
5/19/20 16:45	4.275	155	15.55	14.63	29.22	0
5/19/20 17:00	4.655	149.2	7.431	14.64	29.19	0
5/19/20 17:15	5.196	131.5	11.84	14.58	29.19	0
5/19/20 17:30	5.116	152	13.24	14.51	29.19	0
5/19/20 17:45	5.052	138.2	9.56	14.34	29.19	0
5/19/20 18:00	4.904	136.7	8.91	14.21	29.22	0
5/19/20 18:15	5.599	132.4	8.46	14.1	29.22	0
5/19/20 18:30	5.722	133.4	8.4	13.93	29.22	0
5/19/20 18:45	5.136	123.7	6.854	13.84	29.22	0
5/19/20 19:00	4.55	122.9	8.75	13.67	29.2	0
5/19/20 19:15	4.342	130.7	6.386	13.67	29.2	0
5/19/20 19:30	4.587	132.7	6.389	13.57	29.2	0
5/19/20 19:45	3.677	137.7	5.744	13.55	29.2	0
5/19/20 20:00	2.844	156.3	14.68	13.56	29.2	0
5/19/20 20:15	3.989	215.2	14.44	13.77	29.2	0
5/19/20 20:30	6.984	243	8.32	13.74	29.2	0
5/19/20 20:45	9.85	246.8	9.1	13.44	29.2	0
5/19/20 21:00	9.9	253.3	6.864	12.94	29.21	0
5/19/20 21:15	10.59	248	8.31	12.53	29.21	0
5/19/20 21:30	5.718	252.9	10.31	12.25	29.21	0
5/19/20 21:45	4.497	242	12.56	12.08	29.21	0
5/19/20 22:00	4.997	247.6	9.98	11.98	29.21	0
5/19/20 22:15	7.344	255.6	7.006	11.7	29.21	0
5/19/20 22:30	5.474	255	12.51	11.35	29.21	0
5/19/20 22:45	9.61	229.4	7.078	11.3	29.21	0
5/19/20 23:00	8.49	217.4	13.26	11.06	29.25	0
5/19/20 23:15	5.838	198.8	8.81	11.08	29.25	0
5/19/20 23:30	4.965	204	9.65	11.05	29.25	0
5/19/20 23:45	7.207	193.5	12.24	11.03	29.25	0
5/20/20 0:00	6.563	215.5	11.9	10.85	29.23	0
5/20/20 0:15	5.082	233.2	7.194	10.86	29.23	0
5/20/20 0:30	4.952	228.9	6.614	10.82	29.23	0
5/20/20 0:45	4.283	236.3	9.34	10.69	29.23	0
5/20/20 1:00	3.687	255.3	11.17	10.69	29.24	0
5/20/20 1:15	4.139	237.6	9.43	10.65	29.24	0
5/20/20 1:30	3.999	248.9	7.958	10.61	29.24	0
5/20/20 1:45	6.433	215.4	14.38	10.53	29.24	0
5/20/20 2:00	7.756	205.3	7.702	10.17	29.22	0
5/20/20 2:15	7.407	193.9	6.089	9.88	29.22	0
5/20/20 2:30	7.336	193.9	6.069	9.83	29.22	0
5/20/20 2:45	7.772	195.7	5.997	9.81	29.22	0
5/20/20 3:00	8.07	205.4	7.754	9.81	29.24	0
5/20/20 3:15	7.922	190.9	7.637	9.64	29.24	0
5/20/20 3:30	7.662	191.6	6.751	9.33	29.24	0
5/20/20 3:45	6.726	194.8	6.587	9.28	29.24	0
5/20/20 4:00	6.917	191.1	8.35	9.24	29.24	0
5/20/20 4:15	7.157	185.1	9.15	9.23	29.24	0
5/20/20 4:30	7.519	184.8	8.01	9.22	29.24	0
5/20/20 4:45	7.359	185.2	8.11	9.24	29.24	0
5/20/20 5:00	8.04	181.9	8.12	9.17	29.25	0
5/20/20 5:15	7.245	172	11.55	9.31	29.25	0
5/20/20 5:30	8.69	184.2	8.64	9.32	29.25	0.01
5/20/20 5:45	8.03	187.8	9.55	9.23	29.25	0
5/20/20 6:00	7.031	191	14.05	9.16	29.25	0
5/20/20 6:15	6.205	163.2	11.04	9.12	29.25	0
5/20/20 6:30	5.918	155.3	14.79	9.1	29.25	0
5/20/20 6:45	5.277	146.8	8.19	9.08	29.25	0
5/20/20 7:00	5.202	146.4	6.753	9.29	29.25	0
5/20/20 7:15	4.788	152.1	8.18	9.34	29.25	0
5/20/20 7:30	5.175	153.3	9.21	9.36	29.25	0
5/20/20 7:45	4.974	174.4	17.7	9.65	29.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/20/20 8:00	4.234	146.6	10.89	9.79	29.25	0
5/20/20 8:15	5.393	139.5	8.63	9.94	29.25	0
5/20/20 8:30	4.76	141.8	31.23	10.31	29.25	0
5/20/20 8:45	1.292	220.9	13.91	10.2	29.25	0
5/20/20 9:00	0.15	161.8	14.97	10.21	29.26	0
5/20/20 9:15	5.777	198.1	39.73	10.48	29.26	0
5/20/20 9:30	6.526	184.5	7.03	10.33	29.26	0.11
5/20/20 9:45	6.716	183.1	9.56	41.51	29.26	0.11
5/20/20 10:00	5.98	185.5	8.23	38.85	29.26	0.11
5/20/20 10:15	6.632	187.1	9.55	10.73	29.26	0.07
5/20/20 10:30	5.743	182.3	11.98	10.53	29.26	0
5/20/20 10:45	5.71	170.2	18.69	10.86	29.26	0
5/20/20 11:00	5.799	157.8	18.45	10.74	29.24	0
5/20/20 11:15	3.774	151.7	17.35	10.9	29.24	0
5/20/20 11:30	3.66	148.6	7.573	10.89	29.24	0
5/20/20 11:45	2.908	149.7	19.73	11.13	29.24	0
5/20/20 12:00	2.565	138.4	34.81	11.18	29.26	0
5/20/20 12:15	1.772	127.4	16.74	11.18	29.26	0
5/20/20 12:30	2.277	162	15.34	11.2	29.26	0
5/20/20 12:45	1.481	205.9	28.41	11.3	29.26	0
5/20/20 13:00	4.443	179.1	18.36	11.47	29.24	0
5/20/20 13:15	5.524	207.9	18.05	11.6	29.24	0
5/20/20 13:30	3.423	181	16.71	12.01	29.24	0
5/20/20 13:45	2.429	146	21.75	12.07	29.24	0
5/20/20 14:00	3.286	125.4	17.18	11.99	29.22	0
5/20/20 14:15	3.294	119.8	10.36	11.75	29.22	0
5/20/20 14:30	2.686	79.82	16.27	11.61	29.22	0
5/20/20 14:45	0.406	66.1	13.28	11.41	29.22	0.02
5/20/20 15:00	1.134	110.6	17.18	11.31	29.24	0.01
5/20/20 15:15	2.471	98.3	12.01	11.32	29.24	0
5/20/20 15:30	2.712	114	17.15	11.3	29.24	0
5/20/20 15:45	5.365	185.8	27.62	11.43	29.24	0.01
5/20/20 16:00	6.322	192.1	17.52	11.47	29.24	0.01
5/20/20 16:15	8.22	180.3	10.85	11.2	29.24	0
5/20/20 16:30	6.692	160.4	11.81	11.03	29.24	0.01
5/20/20 16:45	6.99	146.6	10.68	10.95	29.24	0
5/20/20 17:00	5.377	139.5	10.54	10.87	29.21	0
5/20/20 17:15	4.877	132.1	7.848	11.01	29.21	0
5/20/20 17:30	4.673	138.7	9.65	11.07	29.21	0
5/20/20 17:45	4.139	148.9	11.74	11.16	29.21	0
5/20/20 18:00	4.153	156.5	15.51	11.42	29.23	0
5/20/20 18:15	3.344	150.8	23.32	11.81	29.23	0
5/20/20 18:30	6.507	199.8	15	12.44	29.23	0
5/20/20 18:45	9.33	211.6	10.49	12.67	29.23	0
5/20/20 19:00	9.08	214.2	12.3	12.71	29.2	0
5/20/20 19:15	9.95	215.1	9.29	12.83	29.2	0
5/20/20 19:30	13.59	222.5	9.49	12.73	29.2	0
5/20/20 19:45	12.79	228.2	9.65	12.64	29.2	0
5/20/20 20:00	13.83	233.7	9.54	12.46	29.23	0
5/20/20 20:15	15.04	234.2	9.97	12.26	29.23	0
5/20/20 20:30	15.98	242.6	8.9	11.88	29.23	0
5/20/20 20:45	14.98	240.6	8.24	11.6	29.23	0
5/20/20 21:00	13.62	238.1	8.18	11.45	29.24	0
5/20/20 21:15	14.48	226.5	11.07	11.48	29.24	0
5/20/20 21:30	13.37	224.6	7.981	11.42	29.24	0
5/20/20 21:45	9.22	213.5	9.26	11.33	29.24	0
5/20/20 22:00	9.25	213.2	8.59	11.08	29.22	0
5/20/20 22:15	7.808	242.6	12.25	10.97	29.22	0
5/20/20 22:30	10.9	227.6	9.26	10.69	29.22	0
5/20/20 22:45	12.84	224.9	8.52	10.63	29.22	0
5/20/20 23:00	13.64	220.7	9.97	10.57	29.22	0
5/20/20 23:15	11.17	225.8	8.26	10.35	29.22	0
5/20/20 23:30	10.77	228.8	10.43	10.32	29.22	0
5/20/20 23:45	10.64	217.6	9.27	10.22	29.22	0
5/21/20 0:00	11.83	204.7	10.32	9.92	29.23	0
5/21/20 0:15	11	186.1	7.748	9.8	29.23	0
5/21/20 0:30	11.1	189.7	8.4	9.49	29.23	0
5/21/20 0:45	11.03	187.8	10.34	9.48	29.23	0
5/21/20 1:00	10.5	176.3	10.28	9.46	29.23	0
5/21/20 1:15	11.42	184.3	9.62	9.33	29.23	0
5/21/20 1:30	11.07	180.1	12.76	9.16	29.23	0
5/21/20 1:45	11.24	178.8	10.35	9.06	29.23	0
5/21/20 2:00	9.93	171.8	10.23	8.93	29.23	0
5/21/20 2:15	10.62	154.8	12.49	8.73	29.23	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/21/20 2:30	9.72	154.3	7.851	8.56	29.23	0
5/21/20 2:45	10.15	157.5	8.92	8.53	29.23	0
5/21/20 3:00	10.18	162.9	9.55	8.43	29.22	0
5/21/20 3:15	10.33	174.5	10.69	8.38	29.22	0
5/21/20 3:30	11.21	171	8.69	8.33	29.22	0
5/21/20 3:45	10.97	175.5	11.01	8.26	29.22	0
5/21/20 4:00	8.65	168.5	10.24	8.21	29.21	0
5/21/20 4:15	8.79	171.9	10.13	8.18	29.21	0
5/21/20 4:30	9.65	160.3	8.88	8.13	29.21	0
5/21/20 4:45	10.13	171.8	10.16	8.14	29.21	0
5/21/20 5:00	10	166.8	11.71	8.03	29.2	0
5/21/20 5:15	10.19	155.8	8.48	7.982	29.2	0
5/21/20 5:30	10.18	171	10.68	7.983	29.2	0
5/21/20 5:45	9.73	173.4	12.72	7.688	29.2	0.02
5/21/20 6:00	7.997	183.6	13.18	7.502	29.19	0.02
5/21/20 6:15	5.515	189.2	13.82	7.405	29.19	0.03
5/21/20 6:30	6.653	185.7	12.13	7.516	29.19	0
5/21/20 6:45	9.09	186.7	11.16	7.566	29.19	0
5/21/20 7:00	7.579	194.8	10.48	7.527	29.21	0.01
5/21/20 7:15	5.091	187.3	15.76	7.468	29.21	0.03
5/21/20 7:30	2.969	189.1	15.59	7.604	29.21	0.01
5/21/20 7:45	1.849	185.8	19.32	7.87	29.21	0.01
5/21/20 8:00	1.223	88.4	43.84	7.88	29.21	0
5/21/20 8:15	1.46	63	34.57	7.978	29.21	0.01
5/21/20 8:30	1.522	50.35	44.55	7.781	29.21	0.01
5/21/20 8:45	5.088	223.1	13.69	8.56	29.21	0
5/21/20 9:00	4.991	262.6	21.16	8.38	29.18	0.03
5/21/20 9:15	3.547	266.5	21.17	7.826	29.18	0.02
5/21/20 9:30	2.858	191.2	34.52	7.807	29.18	0
5/21/20 9:45	3.132	133.4	25.29	7.865	29.18	0.01
5/21/20 10:00	2.913	149.8	78.52	7.805	29.18	0
5/21/20 10:15	1.733	300.7	18.41	8.25	29.18	0
5/21/20 10:30	2.401	69.98	31.68	8.76	29.18	0.01
5/21/20 10:45	5.337	62.03	16.02	8.62	29.18	0
5/21/20 11:00	4.243	20.08	23.84	8.49	29.17	0.01
5/21/20 11:15	4.309	358.7	17.03	8.81	29.17	0
5/21/20 11:30	2.988	36.83	18.89	9.02	29.17	0
5/21/20 11:45	3.47	46.92	17.85	10.01	29.17	0.01
5/21/20 12:00	4.224	20.78	19.47	10.17	29.16	0
5/21/20 12:15	7.339	31.32	8.03	9.48	29.16	0
5/21/20 12:30	7.946	34.73	8.72	9.68	29.16	0
5/21/20 12:45	7.693	33.03	8.65	10.33	29.16	0
5/21/20 13:00	6.274	40.04	13.13	11.03	29.17	0
5/21/20 13:15	5.723	42.09	10.18	10.67	29.17	0
5/21/20 13:30	6.733	17.33	24.37	10.28	29.17	0.06
5/21/20 13:45	7.814	347.1	19.1	9.48	29.17	0.01
5/21/20 14:00	5.042	15.36	14.43	9.06	29.15	0
5/21/20 14:15	4.639	40.34	7.888	9.34	29.15	0.01
5/21/20 14:30	5.129	43.53	11.47	10.84	29.15	0
5/21/20 14:45	4.112	52.86	8.89	10.95	29.15	0
5/21/20 15:00	2.459	71.8	16.04	11.37	29.16	0
5/21/20 15:15	3.375	77.23	20.38	11.43	29.16	0
5/21/20 15:30	1.467	54.09	31.52	11.67	29.16	0
5/21/20 15:45	6.151	218.8	43.81	12.19	29.16	0
5/21/20 16:00	3.813	245.3	73.56	11.84	29.16	0
5/21/20 16:15	6.066	269.6	12.23	11.67	29.16	0
5/21/20 16:30	4.392	309.2	70.55	11.27	29.16	0.01
5/21/20 16:45	5.177	43.36	19.48	8.93	29.16	0
5/21/20 17:00	6.667	28.78	8.14	8.56	29.14	0.01
5/21/20 17:15	6.123	34.91	9.9	8.33	29.14	0.03
5/21/20 17:30	5.867	68.99	14.07	8.1	29.14	0.02
5/21/20 17:45	6.173	55.22	12	7.966	29.14	0.02
5/21/20 18:00	4.667	71.68	22.27	7.986	29.15	0.02
5/21/20 18:15	1.058	56.99	23.97	8.18	29.15	0
5/21/20 18:30	5.112	172.4	7.247	8.17	29.15	0.01
5/21/20 18:45	5.133	150	19.4	8.05	29.15	0
5/21/20 19:00	3.259	81.1	14.44	7.918	29.16	0
5/21/20 19:15	6.652	124.9	18.55	7.771	29.16	0.02
5/21/20 19:30	4.54	102.3	14.04	7.637	29.16	0.01
5/21/20 19:45	5.283	119.1	7.801	7.805	29.16	0
5/21/20 20:00	4.438	116.2	6.964	7.786	29.18	0
5/21/20 20:15	3.41	122.7	7.357	7.819	29.18	0
5/21/20 20:30	2.364	115.6	10.52	7.819	29.18	0
5/21/20 20:45	3.424	90	8.93	7.643	29.18	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/21/20 21:00	3.433	118.9	6.969	7.711	29.19	0
5/21/20 21:15	3.458	131.2	13.53	7.691	29.19	0
5/21/20 21:30	4.734	157.8	12.54	7.672	29.19	0.01
5/21/20 21:45	2.384	151.3	13.24	7.466	29.19	0
5/21/20 22:00	1.236	120.9	31.03	7.603	29.17	0
5/21/20 22:15	0.929	91.4	22.55	7.546	29.17	0
5/21/20 22:30	3.222	124	8.29	7.546	29.17	0
5/21/20 22:45	3.968	128.9	6.31	7.585	29.17	0
5/21/20 23:00	5.205	141.9	9.67	7.604	29.18	0
5/21/20 23:15	4.566	155.9	9.1	7.574	29.18	0
5/21/20 23:30	5.489	148.7	8.94	7.505	29.18	0
5/21/20 23:45	5.457	139.5	11.19	7.427	29.18	0
5/22/20 0:00	6.598	148.8	8.93	7.388	29.19	0
5/22/20 0:15	7.125	164.4	11.88	7.348	29.19	0
5/22/20 0:30	6.608	172.1	10.94	7.368	29.19	0
5/22/20 0:45	6.191	170.8	11.29	7.318	29.19	0
5/22/20 1:00	4.359	155.5	14.08	7.308	29.17	0
5/22/20 1:15	3.522	138.5	9.48	7.171	29.17	0
5/22/20 1:30	2.652	126.2	11.34	7.162	29.17	0
5/22/20 1:45	3.76	124.1	8.14	7.172	29.17	0
5/22/20 2:00	4.142	117.3	8.3	7.133	29.18	0
5/22/20 2:15	4.232	115.2	6.185	7.074	29.18	0
5/22/20 2:30	4.377	121.5	7.18	7.114	29.18	0
5/22/20 2:45	4.395	122.5	8.02	7.114	29.18	0
5/22/20 3:00	4.734	132.4	7.171	7.134	29.19	0
5/22/20 3:15	4.976	118	9.96	7.134	29.19	0
5/22/20 3:30	6.077	132.5	6.62	7.134	29.19	0
5/22/20 3:45	4.589	129.2	6.898	7.193	29.19	0
5/22/20 4:00	5.125	134.2	7.14	7.213	29.18	0
5/22/20 4:15	4.014	126	10.26	7.222	29.18	0
5/22/20 4:30	5.098	133.7	12.92	7.271	29.18	0
5/22/20 4:45	2.381	104.1	13.36	7.173	29.18	0
5/22/20 5:00	4.047	122.1	6.595	7.3	29.2	0
5/22/20 5:15	4.987	119.8	7.22	7.339	29.2	0
5/22/20 5:30	4.963	120.3	8.15	7.407	29.2	0
5/22/20 5:45	5.618	127.6	7.619	7.486	29.2	0
5/22/20 6:00	4.971	127.5	7.261	7.515	29.22	0
5/22/20 6:15	4.087	116.4	7.488	7.583	29.22	0
5/22/20 6:30	4.397	126.8	6.341	7.661	29.22	0
5/22/20 6:45	4.243	128.3	13.25	7.906	29.22	0
5/22/20 7:00	4.636	127.1	7.811	8.06	29.21	0
5/22/20 7:15	4.418	129.7	10.93	8.19	29.21	0
5/22/20 7:30	4.674	134.4	10.44	8.25	29.21	0
5/22/20 7:45	5.273	135.6	12.96	8.48	29.21	0
5/22/20 8:00	7.214	149.1	9.75	9.02	29.22	0
5/22/20 8:15	7.072	148.1	12.86	9.12	29.22	0
5/22/20 8:30	6.572	163.7	14.38	8.99	29.22	0
5/22/20 8:45	7.526	173.5	10.18	9.37	29.22	0
5/22/20 9:00	7.434	156.4	13.55	10.01	29.24	0
5/22/20 9:15	8.39	161.5	17.91	10.04	29.24	0
5/22/20 9:30	7.163	152	14.69	10.49	29.24	0
5/22/20 9:45	6.484	154.5	18.64	10.29	29.24	0
5/22/20 10:00	6.963	151	13.27	10.25	29.26	0
5/22/20 10:15	5.916	159.5	12.51	10.29	29.26	0
5/22/20 10:30	5.514	146.4	20.2	10.7	29.26	0
5/22/20 10:45	5.678	160.2	24.79	11.66	29.26	0
5/22/20 11:00	7.789	172.5	17.86	11.35	29.25	0
5/22/20 11:15	5.281	165.3	16.44	11.72	29.25	0
5/22/20 11:30	4.047	167.2	42.66	11.67	29.25	0
5/22/20 11:45	9.44	187.8	11.79	12.86	29.25	0
5/22/20 12:00	8.71	179	17.89	12.42	29.24	0
5/22/20 12:15	9.01	191.1	12.57	13.14	29.24	0
5/22/20 12:30	8.08	183	17.84	12.5	29.24	0
5/22/20 12:45	10.23	191.8	12.73	12.54	29.24	0
5/22/20 13:00	9.45	190.4	12.63	12.87	29.24	0
5/22/20 13:15	10.15	196.1	12.21	13.18	29.24	0
5/22/20 13:30	8.71	204.8	15.49	13.19	29.24	0
5/22/20 13:45	9.01	221.3	8.72	13.21	29.24	0
5/22/20 14:00	6.648	217.2	13.03	13.17	29.26	0
5/22/20 14:15	7.961	228.6	13.48	13.23	29.26	0
5/22/20 14:30	5.692	210.9	13.06	12.92	29.26	0
5/22/20 14:45	6.444	204.2	9.91	12.76	29.26	0
5/22/20 15:00	6.931	206.5	8.54	12.96	29.25	0
5/22/20 15:15	6.14	215.4	8.36	12.8	29.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/22/20 15:30	5.788	204.1	7.897	12.52	29.25	0
5/22/20 15:45	2.065	119.3	58.56	12.19	29.25	0.01
5/22/20 16:00	1.939	109.5	29.46	11.68	29.26	0
5/22/20 16:15	4.877	268.7	44.61	12.39	29.26	0
5/22/20 16:30	7.532	249.4	27.38	12.78	29.26	0
5/22/20 16:45	12	266.4	10.04	12.79	29.26	0
5/22/20 17:00	13.23	252.8	10.1	12.6	29.29	0
5/22/20 17:15	10.41	246.8	12.06	12.46	29.29	0
5/22/20 17:30	9.9	241.6	9.22	12.48	29.29	0
5/22/20 17:45	11.1	244.7	9.02	12.52	29.29	0
5/22/20 18:00	11.38	242.6	9.03	12.56	29.28	0
5/22/20 18:15	12.07	244.9	8.16	12.52	29.28	0
5/22/20 18:30	12.18	244.2	8.97	12.33	29.28	0
5/22/20 18:45	10.63	245.8	9.9	12.25	29.28	0
5/22/20 19:00	10.06	246.4	8.57	12.11	29.28	0
5/22/20 19:15	9.64	251.8	8.65	12	29.28	0
5/22/20 19:30	9.62	252.7	8.64	11.72	29.28	0
5/22/20 19:45	9.1	251.8	8.11	11.51	29.28	0
5/22/20 20:00	7.312	250.5	6.752	11.16	29.32	0
5/22/20 20:15	8.69	249.6	9.05	11.25	29.32	0
5/22/20 20:30	8.35	255.6	9.39	11.1	29.32	0
5/22/20 20:45	8.62	253.8	9.45	10.91	29.32	0
5/22/20 21:00	8.16	255.9	7.912	10.86	29.33	0
5/22/20 21:15	7.62	264	9.2	10.7	29.33	0
5/22/20 21:30	5.757	283.3	10.1	10.56	29.33	0
5/22/20 21:45	5.005	292.1	9.13	10.13	29.33	0
5/22/20 22:00	3.796	311.4	10.06	9.92	29.36	0
5/22/20 22:15	3.736	329.8	5.482	9.56	29.36	0
5/22/20 22:30	2.586	328.3	4.839	9.08	29.36	0.02
5/22/20 22:45	1.513	351.8	15.05	8.98	29.36	0
5/22/20 23:00	0.476	35.25	3.978	8.89	29.37	0
5/22/20 23:15	1.053	35.61	1.869	8.76	29.37	0.01
5/22/20 23:30	2.199	40.71	5.17	8.69	29.37	0
5/22/20 23:45	3.302	42.76	5.237	8.64	29.37	0
5/23/20 0:00	2.437	60.64	9.48	8.43	29.36	0
5/23/20 0:15	2.471	84.8	8.35	8.51	29.36	0
5/23/20 0:30	2.181	114.2	18.43	8.51	29.36	0
5/23/20 0:45	1.376	129.5	12.14	8.62	29.36	0
5/23/20 1:00	1.57	96.1	8.01	8.53	29.35	0
5/23/20 1:15	1.812	83.9	8.35	8.42	29.35	0
5/23/20 1:30	2.131	91.6	6.855	8.29	29.35	0
5/23/20 1:45	2.81	107.2	10.4	8.26	29.35	0
5/23/20 2:00	2.992	106.8	7.074	8.25	29.34	0
5/23/20 2:15	2.842	114.9	5.573	8.23	29.34	0
5/23/20 2:30	1.94	85.7	17.62	8.21	29.34	0
5/23/20 2:45	1.039	48.62	8.17	8.23	29.34	0
5/23/20 3:00	1.07	36.38	6.233	8.15	29.35	0
5/23/20 3:15	1.747	52.17	3.101	8.14	29.35	0
5/23/20 3:30	1.74	34.83	9.23	8.01	29.35	0
5/23/20 3:45	1.525	74.13	17.06	8.09	29.35	0
5/23/20 4:00	2.405	42.39	8.1	8.07	29.36	0
5/23/20 4:15	1.551	72.45	25.58	7.943	29.36	0
5/23/20 4:30	2.299	105.7	37.25	8.07	29.36	0
5/23/20 4:45	2.285	40.33	4.805	7.902	29.36	0
5/23/20 5:00	3.017	49.8	4.4	7.823	29.37	0
5/23/20 5:15	2.802	46.71	4.427	7.775	29.37	0
5/23/20 5:30	3.375	51.51	2.948	7.814	29.37	0
5/23/20 5:45	3.79	55.62	6.51	7.883	29.37	0
5/23/20 6:00	3.338	76.85	13.8	7.934	29.38	0
5/23/20 6:15	3.188	104.4	8.26	8.11	29.38	0
5/23/20 6:30	3.928	112.7	9.15	8.31	29.38	0
5/23/20 6:45	4.035	110.8	8.75	8.39	29.38	0
5/23/20 7:00	2.971	125	8.03	8.6	29.38	0
5/23/20 7:15	2.008	117.7	17.06	9.04	29.38	0
5/23/20 7:30	1.899	147.2	8.74	9.25	29.38	0
5/23/20 7:45	1.798	84.4	26.55	9.5	29.38	0
5/23/20 8:00	2.455	96.6	26.86	11.13	29.39	0
5/23/20 8:15	1.862	134.6	46.49	10.41	29.39	0
5/23/20 8:30	2.099	105.9	46.62	10.06	29.39	0
5/23/20 8:45	1.099	8	19.51	10.18	29.39	0
5/23/20 9:00	1.165	177	36.14	10.47	29.37	0
5/23/20 9:15	1.431	225.2	11.02	10.46	29.37	0
5/23/20 9:30	0.868	226.4	17.16	10.98	29.37	0
5/23/20 9:45	1.082	284	68.8	11.25	29.37	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/23/20 10:00	0.993	289	35.04	11.34	29.37	0
5/23/20 10:15	2.264	122.1	37.32	11.36	29.37	0
5/23/20 10:30	2.961	81.7	18.52	11.21	29.37	0
5/23/20 10:45	3.152	70.61	27.15	11.3	29.37	0
5/23/20 11:00	1.764	82.9	27.05	12.19	29.38	0
5/23/20 11:15	2.041	22.06	25.89	12.29	29.38	0
5/23/20 11:30	2.236	346.7	24.17	12.17	29.38	0
5/23/20 11:45	1.061	42.65	24.79	12.38	29.38	0
5/23/20 12:00	2.536	312.6	21.59	12.59	29.36	0
5/23/20 12:15	3.589	291.3	22.79	13.17	29.36	0
5/23/20 12:30	2.58	283.1	35.84	13.04	29.36	0
5/23/20 12:45	1.84	279.2	15.39	12.66	29.36	0
5/23/20 13:00	3.425	32.47	8.62	12.46	29.39	0
5/23/20 13:15	5.016	35.94	7.208	12.08	29.39	0
5/23/20 13:30	5.37	30.65	6.44	12.04	29.39	0
5/23/20 13:45	4.356	38.1	8.52	12.21	29.39	0
5/23/20 14:00	3.861	52.02	18.75	12.69	29.39	0
5/23/20 14:15	3.695	34.02	13.35	12.94	29.39	0
5/23/20 14:30	2.366	26.89	22.68	13.77	29.39	0
5/23/20 14:45	1.517	317.9	68.91	14.14	29.39	0
5/23/20 15:00	1.296	259.4	87.7	14.91	29.37	0
5/23/20 15:15	2.49	254.7	34.78	14.55	29.37	0
5/23/20 15:30	3.929	55	41.6	14.55	29.37	0
5/23/20 15:45	4.642	39.61	18.05	14.71	29.37	0
5/23/20 16:00	2.683	108.8	34.05	14.42	29.38	0
5/23/20 16:15	2.511	45.7	45.63	14.75	29.38	0
5/23/20 16:30	3.128	39.84	10.03	14.26	29.38	0
5/23/20 16:45	6.258	35.02	5.684	13.79	29.38	0
5/23/20 17:00	4.821	37.23	5.812	13.75	29.36	0
5/23/20 17:15	3.227	49.65	11.87	13.88	29.36	0
5/23/20 17:30	2.853	38.86	10.91	14.04	29.36	0
5/23/20 17:45	0.958	7.143	8.49	14.8	29.36	0
5/23/20 18:00	0.161	5.836	0.364	14.68	29.35	0
5/23/20 18:15	1.123	33.9	3.92	14.14	29.35	0
5/23/20 18:30	0.666	60.91	6.984	14.06	29.35	0
5/23/20 18:45	1.289	41.94	2.637	14.14	29.35	0
5/23/20 19:00	1.94	31.45	2.91	13.52	29.35	0
5/23/20 19:15	2.072	35.33	5.184	13.43	29.35	0
5/23/20 19:30	3.385	37.8	5.838	12.88	29.35	0
5/23/20 19:45	3.071	37.81	5.485	12.18	29.35	0
5/23/20 20:00	2.349	53.94	8.18	12.09	29.36	0
5/23/20 20:15	2.72	69.62	4.919	11.95	29.36	0
5/23/20 20:30	2.293	69.49	2.761	11.85	29.36	0
5/23/20 20:45	1.838	67.9	0.917	11.55	29.36	0
5/23/20 21:00	2.203	57.74	5.839	11.45	29.38	0
5/23/20 21:15	2.749	56.71	4.446	11.36	29.38	0
5/23/20 21:30	1.77	66.8	3.016	10.92	29.38	0
5/23/20 21:45	1.602	75.35	12.29	10.36	29.38	0
5/23/20 22:00	1.472	109.1	11.27	10.85	29.36	0
5/23/20 22:15	1.736	117	35.35	11.14	29.36	0
5/23/20 22:30	1.147	147.5	16.42	10.72	29.36	0
5/23/20 22:45	1	118.4	14.52	9.96	29.36	0
5/23/20 23:00	2.315	142.5	42.24	10.39	29.37	0
5/23/20 23:15	3.062	175.1	9.78	10.37	29.37	0
5/23/20 23:30	3.336	204.4	5.765	10	29.37	0
5/23/20 23:45	3.629	199.3	4.972	9.64	29.37	0
5/24/20 0:00	4.166	198	6.954	9.38	29.37	0
5/24/20 0:15	7.057	218.9	8.45	9.23	29.37	0
5/24/20 0:30	4.539	209.9	6.045	9.27	29.37	0
5/24/20 0:45	3.297	167.3	19.69	9.28	29.37	0
5/24/20 1:00	2.729	104.2	23.85	8.89	29.37	0
5/24/20 1:15	2.693	74.37	13.24	8.52	29.37	0
5/24/20 1:30	2.194	114.2	18.84	8.74	29.37	0
5/24/20 1:45	2.57	139.3	7.717	8.85	29.37	0
5/24/20 2:00	2.873	143.9	6.841	8.92	29.36	0
5/24/20 2:15	3.908	125.3	5.252	8.76	29.36	0
5/24/20 2:30	3.908	132.3	7.243	9.09	29.36	0
5/24/20 2:45	4.708	140.2	5.463	9.76	29.36	0
5/24/20 3:00	4.589	142.9	6.643	9.75	29.36	0
5/24/20 3:15	4.827	142.1	5.34	9.62	29.36	0
5/24/20 3:30	5.003	147.7	6.872	9.78	29.36	0
5/24/20 3:45	3.987	163.3	12.29	9.79	29.36	0
5/24/20 4:00	3.137	136.3	3.522	9.44	29.35	0
5/24/20 4:15	2.834	141.3	5.707	9.36	29.35	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/24/20 4:30	3.585	162.9	5.383	9.28	29.35	0
5/24/20 4:45	2.729	145.6	9.54	9.36	29.35	0
5/24/20 5:00	2.844	181.4	6.178	9.54	29.36	0
5/24/20 5:15	2.888	172.9	3.936	9.61	29.36	0
5/24/20 5:30	2.325	152.1	6.825	9.61	29.36	0
5/24/20 5:45	1.78	152.1	13.77	9.72	29.36	0
5/24/20 6:00	1.962	180.8	23.02	10.35	29.37	0
5/24/20 6:15	2.448	219	15.58	10.66	29.37	0
5/24/20 6:30	2.706	148.2	15.13	11.52	29.37	0
5/24/20 6:45	3.01	132.5	17.68	11.03	29.37	0
5/24/20 7:00	2.17	144.3	28.4	11.14	29.39	0
5/24/20 7:15	3.181	170.9	14.43	11.38	29.39	0
5/24/20 7:30	4.158	216.5	13.5	11.32	29.39	0
5/24/20 7:45	4.027	208.6	7.319	11.31	29.39	0
5/24/20 8:00	3.149	215.9	10.23	11.64	29.37	0
5/24/20 8:15	2.117	198.5	25.01	12.91	29.37	0
5/24/20 8:30	2.703	197.7	55.95	13.15	29.37	0
5/24/20 8:45	3.074	227	23.27	12.77	29.37	0
5/24/20 9:00	2.8	256.5	32.36	13.44	29.4	0
5/24/20 9:15	2.989	273.6	22.57	13.78	29.4	0
5/24/20 9:30	3.632	246.5	26.12	13.98	29.4	0
5/24/20 9:45	2.735	264.5	38.77	14.08	29.4	0
5/24/20 10:00	1.617	322.9	19.15	14.67	29.38	0
5/24/20 10:15	1.342	334.3	32.93	15.11	29.38	0
5/24/20 10:30	1.962	307	49.17	15.07	29.38	0
5/24/20 10:45	2.69	290.8	61.38	15.58	29.38	0
5/24/20 11:00	3.614	289	30.92	15.8	29.37	0
5/24/20 11:15	2.979	273.2	36.19	16.22	29.37	0
5/24/20 11:30	5.986	257.4	34.3	16.83	29.37	0
5/24/20 11:45	4.649	265	36.5	16.75	29.37	0
5/24/20 12:00	4.978	290.7	43.48	17.81	29.37	0
5/24/20 12:15	5.523	259.8	21.34	17.98	29.37	0
5/24/20 12:30	5.381	260.9	18.22	17.74	29.37	0
5/24/20 12:45	3.877	225.6	41.79	18.3	29.37	0
5/24/20 13:00	3.401	268.9	50.45	18.95	29.36	0
5/24/20 13:15	5.346	263.3	31.93	18.94	29.36	0
5/24/20 13:30	6.74	256.5	23.56	19.04	29.36	0
5/24/20 13:45	4.527	275.3	36.2	19	29.36	0
5/24/20 14:00	5.74	286.9	38.57	18.86	29.33	0
5/24/20 14:15	5.499	232.7	27.72	19.12	29.33	0
5/24/20 14:30	5.405	270.6	18.45	19.41	29.33	0
5/24/20 14:45	4.512	273.5	20.61	19.93	29.33	0
5/24/20 15:00	6.235	272.9	11.24	19.89	29.34	0
5/24/20 15:15	3.197	254	39.96	20.06	29.34	0
5/24/20 15:30	5.549	248.6	15.78	19.79	29.34	0
5/24/20 15:45	5.7	210.2	19.51	19.94	29.34	0
5/24/20 16:00	4.515	225.2	26.65	20.21	29.32	0
5/24/20 16:15	4.765	264.8	34.89	19.86	29.32	0
5/24/20 16:30	7.432	287.4	12.11	19.73	29.32	0
5/24/20 16:45	8.25	287.1	9.5	19.62	29.32	0
5/24/20 17:00	6.428	282.1	10.57	19.9	29.32	0
5/24/20 17:15	6.91	275.2	15.24	19.99	29.32	0
5/24/20 17:30	6.001	280.7	11.79	19.53	29.32	0
5/24/20 17:45	7.056	287.3	13.6	19.39	29.32	0
5/24/20 18:00	7.48	262.9	10.3	19.29	29.29	0
5/24/20 18:15	5.71	281.8	8.83	18.57	29.29	0
5/24/20 18:30	3.981	274.2	12.87	18.42	29.29	0
5/24/20 18:45	4.354	267.5	7.815	18.4	29.29	0
5/24/20 19:00	2.405	255	9.77	18.48	29.29	0
5/24/20 19:15	1.996	193.6	41.76	18.31	29.29	0
5/24/20 19:30	1.034	118.8	17.16	17.79	29.29	0
5/24/20 19:45	2.605	93.1	7.066	17.58	29.29	0
5/24/20 20:00	2.076	87.1	24.41	17.09	29.28	0
5/24/20 20:15	1.291	73.47	2.159	16.87	29.28	0
5/24/20 20:30	0.524	75.59	2.58	17.23	29.28	0
5/24/20 20:45	0.722	91.8	1.288	17.42	29.28	0
5/24/20 21:00	1.458	202.1	18.85	17.47	29.29	0
5/24/20 21:15	1.768	213.9	2.913	16.97	29.29	0
5/24/20 21:30	3.264	222.1	13.01	16.46	29.29	0
5/24/20 21:45	2.865	191.4	26.26	16.47	29.29	0
5/24/20 22:00	2.817	175	9.3	16.14	29.29	0
5/24/20 22:15	3.589	180.5	8.92	15.84	29.29	0
5/24/20 22:30	3.955	193.8	14.65	15.65	29.29	0
5/24/20 22:45	4.777	188.4	11.24	15.46	29.29	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/24/20 23:00	4.373	200.1	8.86	15.08	29.3	0
5/24/20 23:15	4.253	192.6	17.36	14.87	29.3	0
5/24/20 23:30	2.338	102.5	22.27	14.74	29.3	0
5/24/20 23:45	2.745	114.1	11.2	13.84	29.3	0
5/25/20 0:00	3.958	134.1	7.313	14.3	29.29	0
5/25/20 0:15	4.358	141.3	5.897	14.31	29.29	0
5/25/20 0:30	4.443	142.6	6.083	14.28	29.29	0
5/25/20 0:45	3.612	164.4	13.42	14.26	29.29	0
5/25/20 1:00	4.565	172.4	11.74	14.36	29.27	0
5/25/20 1:15	4.947	187.3	8.27	14.36	29.27	0
5/25/20 1:30	4.072	159.1	8.95	14.11	29.27	0
5/25/20 1:45	1.005	135.6	17.34	13.76	29.27	0
5/25/20 2:00	1.692	157.3	20.87	13.73	29.25	0
5/25/20 2:15	3.659	182.7	16.64	13.79	29.25	0
5/25/20 2:30	4.266	180.9	10.06	13.69	29.25	0
5/25/20 2:45	3.837	171.8	7.282	13.72	29.25	0
5/25/20 3:00	2.492	186.2	8.99	13.88	29.25	0
5/25/20 3:15	2.455	196.5	7.126	13.85	29.25	0
5/25/20 3:30	3.197	194.8	14.82	13.56	29.25	0
5/25/20 3:45	2.212	151.6	52.24	13.48	29.25	0
5/25/20 4:00	2.683	144.5	11.3	13.36	29.24	0
5/25/20 4:15	3.812	150.1	7.92	13.08	29.24	0
5/25/20 4:30	4.874	158.5	4.149	13.02	29.24	0
5/25/20 4:45	4.675	181.7	15.21	12.89	29.24	0
5/25/20 5:00	4.803	204.7	7.156	12.64	29.24	0.01
5/25/20 5:15	5.653	207.2	3.96	12.16	29.24	0
5/25/20 5:30	5.502	193.3	9.69	12.02	29.24	0
5/25/20 5:45	3.883	181.8	4.432	11.9	29.24	0
5/25/20 6:00	2.712	157.9	13.12	11.92	29.26	0.01
5/25/20 6:15	2.599	147.9	9.07	12.01	29.26	0
5/25/20 6:30	2.714	137.8	9.61	12.09	29.26	0
5/25/20 6:45	2.287	134	11.42	12.11	29.26	0
5/25/20 7:00	2.748	140.4	9.7	12.26	29.25	0.01
5/25/20 7:15	3.371	149	7.178	12.3	29.25	0
5/25/20 7:30	4.062	151.2	7.274	12.46	29.25	0.01
5/25/20 7:45	4.68	148.6	7.132	12.32	29.25	0.01
5/25/20 8:00	4.911	154.6	5.505	12.71	29.24	0.01
5/25/20 8:15	5.783	156.3	5.116	12.31	29.24	0.01
5/25/20 8:30	6.509	156.1	7.94	12.37	29.24	0.01
5/25/20 8:45	5.643	160.3	8.79	12.57	29.24	0.01
5/25/20 9:00	6.09	160.8	10.44	12.57	29.26	0.01
5/25/20 9:15	6.83	164.1	8.4	12.63	29.26	0.01
5/25/20 9:30	7.03	162.4	7.071	12.56	29.26	0.01
5/25/20 9:45	7.198	177.2	14.98	12.61	29.26	0.02
5/25/20 10:00	6.497	183.5	12.1	12.73	29.27	0.02
5/25/20 10:15	7.058	180.8	12.14	12.73	29.27	0.01
5/25/20 10:30	7.55	192.3	7.128	12.69	29.27	0.01
5/25/20 10:45	7.348	191	8.94	12.89	29.27	0
5/25/20 11:00	7.659	189.8	8.1	12.89	29.27	0.01
5/25/20 11:15	6.885	190.5	8.31	13.08	29.27	0
5/25/20 11:30	6.382	188.1	9.71	13.29	29.27	0.01
5/25/20 11:45	6.47	194.9	13.28	13.36	29.27	0.01
5/25/20 12:00	6.349	192.2	10.32	13.63	29.28	0.01
5/25/20 12:15	5.413	191.2	10.77	13.53	29.28	0.02
5/25/20 12:30	6.358	192.5	9.33	13.58	29.28	0.01
5/25/20 12:45	6.056	197.6	13.2	13.63	29.28	0.01
5/25/20 13:00	6.306	192.7	8.73	13.65	29.27	0.01
5/25/20 13:15	7.465	192.4	9.9	13.75	29.27	0.01
5/25/20 13:30	6.806	201.3	9.55	14.2	29.27	0
5/25/20 13:45	4.894	202.7	15.37	14.52	29.27	0
5/25/20 14:00	4.412	191.8	16.97	14.6	29.25	0
5/25/20 14:15	4.914	188.3	14.86	14.87	29.25	0
5/25/20 14:30	6.725	156.5	13.91	14.85	29.25	0
5/25/20 14:45	6.25	186.5	12.57	14.28	29.25	0
5/25/20 15:00	4.629	178.8	15.17	14.57	29.26	0
5/25/20 15:15	3.562	201.1	14.67	14.69	29.26	0
5/25/20 15:30	4.584	179.5	15.82	14.69	29.26	0
5/25/20 15:45	2.991	147.9	14.22	14.62	29.26	0
5/25/20 16:00	5.027	193.7	41.31	14.62	29.27	0.01
5/25/20 16:15	4.659	215.4	17.6	14.73	29.27	0
5/25/20 16:30	7.4	189.1	7.773	14.53	29.27	0
5/25/20 16:45	5.757	196.1	7.673	14.3	29.27	0
5/25/20 17:00	4.299	202.7	13	14.62	29.25	0
5/25/20 17:15	5.421	214.4	10.36	14.65	29.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/25/20 17:30	5.345	217	11.42	14.6	29.25	0
5/25/20 17:45	4.606	217.4	12.47	14.43	29.25	0
5/25/20 18:00	3.8	183.9	15.77	14.21	29.25	0
5/25/20 18:15	3.236	168.2	11.54	14.09	29.25	0
5/25/20 18:30	4.419	188	9.49	14.2	29.25	0
5/25/20 18:45	4.45	169.7	19.46	14.12	29.25	0
5/25/20 19:00	2.26	144.1	12.35	14.13	29.27	0
5/25/20 19:15	3.462	181.6	17	14.11	29.27	0
5/25/20 19:30	4.822	189.2	7.676	14.1	29.27	0
5/25/20 19:45	3.084	192.3	26.04	14.1	29.27	0
5/25/20 20:00	3.952	233.7	20.51	14.23	29.27	0
5/25/20 20:15	5.973	249.4	16.24	14.23	29.27	0
5/25/20 20:30	5.924	250.2	7.273	14.17	29.27	0
5/25/20 20:45	5.356	249.7	8.02	13.99	29.27	0
5/25/20 21:00	3.996	244.6	8.87	13.73	29.27	0
5/25/20 21:15	3.664	230.6	12.97	13.64	29.27	0
5/25/20 21:30	2.76	205.5	14.88	13.52	29.27	0
5/25/20 21:45	3.437	199	17.34	13.46	29.27	0
5/25/20 22:00	4.02	208.7	12.44	13.34	29.27	0
5/25/20 22:15	4.085	191.2	8.74	13.25	29.27	0
5/25/20 22:30	3.564	199	5.68	13.08	29.27	0
5/25/20 22:45	3.156	209.6	8.26	13.1	29.27	0
5/25/20 23:00	3.206	228.4	15.44	13.11	29.28	0
5/25/20 23:15	5.908	251.5	8.4	13.03	29.28	0
5/25/20 23:30	5.455	249.7	7.614	12.82	29.28	0
5/25/20 23:45	4.195	270.6	13.65	12.75	29.28	0
5/26/20 0:00	2.81	288	9.82	12.59	29.29	0
5/26/20 0:15	3.081	300.6	7.19	12.54	29.29	0
5/26/20 0:30	2.708	298.5	5.117	12.46	29.29	0
5/26/20 0:45	3.41	283.9	10.06	12.4	29.29	0
5/26/20 1:00	2.964	262.6	7.527	12.4	29.3	0
5/26/20 1:15	3.739	272.4	9.06	12.31	29.3	0
5/26/20 1:30	3.121	270.3	8.07	12.19	29.3	0
5/26/20 1:45	3.169	305.3	14.77	12.15	29.3	0
5/26/20 2:00	1.855	305.8	8.63	11.88	29.3	0
5/26/20 2:15	1.243	292.8	4.259	11.87	29.3	0
5/26/20 2:30	1.66	301.3	13.95	11.88	29.3	0
5/26/20 2:45	1.588	356.3	22.48	11.84	29.3	0
5/26/20 3:00	2.175	36.21	2.446	11.58	29.28	0
5/26/20 3:15	2.088	38.57	3.733	11.17	29.28	0
5/26/20 3:30	2.372	19.73	11.97	11.05	29.28	0
5/26/20 3:45	1.754	46.31	32.55	10.98	29.28	0.01
5/26/20 4:00	2.659	72.51	11.08	10.98	29.29	0
5/26/20 4:15	2.682	89.6	13.64	10.69	29.29	0
5/26/20 4:30	4.722	61.22	12.12	10.65	29.29	0
5/26/20 4:45	3.375	49.35	18.01	10.41	29.29	0
5/26/20 5:00	2	46.54	14.29	10.33	29.31	0
5/26/20 5:15	3.536	32.01	8.78	10.3	29.31	0
5/26/20 5:30	3.648	42.86	12.43	10.13	29.31	0
5/26/20 5:45	4.641	44.97	9.48	10.08	29.31	0
5/26/20 6:00	5.08	46.72	9.66	10.01	29.33	0
5/26/20 6:15	5.163	42.25	8.14	10.08	29.33	0
5/26/20 6:30	5.223	39.68	9.55	10.05	29.33	0
5/26/20 6:45	5.213	44.34	9.64	10.1	29.33	0
5/26/20 7:00	5.506	42.76	9.34	10.08	29.32	0.01
5/26/20 7:15	5.683	47.22	10.25	10.04	29.32	0
5/26/20 7:30	6.234	42.35	10.63	10.02	29.32	0
5/26/20 7:45	6.868	38.07	7.16	9.98	29.32	0
5/26/20 8:00	6.174	42.34	9.58	10.05	29.34	0
5/26/20 8:15	7.517	38.15	10.74	10.08	29.34	0.01
5/26/20 8:30	9.59	28.37	10.96	9.9	29.34	0
5/26/20 8:45	9.9	29.16	10.42	9.8	29.34	0
5/26/20 9:00	8.17	30.76	12.7	10.28	29.35	0
5/26/20 9:15	7.409	39.64	11.24	10.97	29.35	0
5/26/20 9:30	7.099	40.33	8.56	11.52	29.35	0
5/26/20 9:45	5.652	35.4	9.83	12.18	29.35	0
5/26/20 10:00	4.104	37.79	13.87	12.45	29.35	0
5/26/20 10:15	4.231	31.11	17.77	12.77	29.35	0
5/26/20 10:30	5.881	38.35	8.32	12.76	29.35	0
5/26/20 10:45	5.702	33.85	7.311	12.51	29.35	0
5/26/20 11:00	4.641	48.89	11.74	12.67	29.36	0
5/26/20 11:15	4.045	52.92	8.12	12.64	29.36	0
5/26/20 11:30	4.156	44.25	5.803	12.54	29.36	0
5/26/20 11:45	2.811	42.81	10.51	13.38	29.36	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/26/20 12:00	2.349	60.2	16.68	13.52	29.33	0
5/26/20 12:15	1.871	41.78	9.32	14.13	29.33	0
5/26/20 12:30	0.041	59.24	2.491	15.07	29.33	0
5/26/20 12:45	2.521	40.5	13.57	15.12	29.33	0
5/26/20 13:00	2.805	46.61	23.01	14.76	29.35	0
5/26/20 13:15	2.465	36.83	34.51	14.7	29.35	0
5/26/20 13:30	4.063	29.85	17.36	14.62	29.35	0
5/26/20 13:45	3.65	51.66	9.73	14.17	29.35	0
5/26/20 14:00	2.907	69.15	21.97	14.43	29.36	0
5/26/20 14:15	1.051	65.13	8.05	15.01	29.36	0
5/26/20 14:30	1.412	71.41	16.85	15.1	29.36	0
5/26/20 14:45	1.872	134.7	18.9	15.48	29.36	0
5/26/20 15:00	1.575	207.1	23.64	15.87	29.36	0
5/26/20 15:15	1.875	113.8	62.33	16.35	29.36	0
5/26/20 15:30	1.603	215	22.57	17.24	29.36	0
5/26/20 15:45	1.079	232.3	40.45	17.08	29.36	0
5/26/20 16:00	2.27	285.8	16.36	16.19	29.33	0
5/26/20 16:15	0.972	247.6	12.13	16.5	29.33	0
5/26/20 16:30	1.412	276.8	18.01	17.08	29.33	0
5/26/20 16:45	1.961	288.7	14.65	18.16	29.33	0
5/26/20 17:00	1.131	326.7	11.5	17.31	29.34	0
5/26/20 17:15	0.534	321.2	5.036	18.46	29.34	0
5/26/20 17:30	1.251	298.8	42.21	18.63	29.34	0
5/26/20 17:45	2.046	219.5	34.31	17.98	29.34	0
5/26/20 18:00	4.426	265.6	27.21	17.59	29.31	0
5/26/20 18:15	3.433	281.3	14.73	17.36	29.31	0
5/26/20 18:30	3.101	310.8	15.51	17.43	29.31	0
5/26/20 18:45	3.508	291.9	20.01	17.32	29.31	0
5/26/20 19:00	3.491	271.4	11.35	17.18	29.34	0
5/26/20 19:15	4.161	220.1	13.83	16.82	29.34	0
5/26/20 19:30	4.951	214.3	4.498	15.72	29.34	0
5/26/20 19:45	4.559	210.1	2.72	15.51	29.34	0
5/26/20 20:00	3.238	203.8	3.363	15.37	29.34	0
5/26/20 20:15	2.339	79.09	77.79	15.12	29.34	0
5/26/20 20:30	3.219	71.01	29.01	14.29	29.34	0
5/26/20 20:45	2.583	85.4	38.05	14.4	29.34	0
5/26/20 21:00	3.022	39.65	31.53	14.09	29.35	0
5/26/20 21:15	1.73	31.11	13.94	13.73	29.35	0
5/26/20 21:30	1.872	46.01	6.272	13.54	29.35	0
5/26/20 21:45	1.911	53.32	1.892	13.31	29.35	0
5/26/20 22:00	0.899	49.49	1.425	13.35	29.36	0
5/26/20 22:15	0.99	63.04	13.24	13.54	29.36	0
5/26/20 22:30	2.476	59.64	7.195	13.27	29.36	0
5/26/20 22:45	3.27	56.08	7.798	13.22	29.36	0
5/26/20 23:00	3.276	52.77	12.97	12.62	29.34	0
5/26/20 23:15	3.283	55.61	9.39	12.54	29.34	0
5/26/20 23:30	3.582	49.6	7.581	12.23	29.34	0
5/26/20 23:45	2.392	51.53	8.17	11.89	29.34	0
5/27/20 0:00	2.676	64.76	11.24	11.78	29.35	0
5/27/20 0:15	3.278	58.8	15.53	12.2	29.35	0
5/27/20 0:30	2.056	22.79	3.354	12.04	29.35	0
5/27/20 0:45	3.174	44.69	8.61	11.56	29.35	0
5/27/20 1:00	2.636	48.91	3.253	11.53	29.34	0
5/27/20 1:15	2.76	47.57	3.349	11.05	29.34	0
5/27/20 1:30	3.496	59.2	18.37	10.53	29.34	0
5/27/20 1:45	1.129	82	7.225	9.51	29.34	0
5/27/20 2:00	3.197	55.09	10.83	9.6	29.35	0
5/27/20 2:15	4.167	38.73	6.771	9.07	29.35	0
5/27/20 2:30	4.34	36.19	8.51	8.89	29.35	0
5/27/20 2:45	5.26	34.38	6.746	9.12	29.35	0
5/27/20 3:00	4.732	31.64	10.25	9.13	29.35	0
5/27/20 3:15	4.545	29.12	5.876	8.83	29.35	0
5/27/20 3:30	3.679	39.4	4.565	8.44	29.35	0
5/27/20 3:45	3.309	41.81	9.76	8.37	29.35	0
5/27/20 4:00	2.979	60.72	11.66	8.25	29.33	0
5/27/20 4:15	3.206	51.03	8.08	8.23	29.33	0
5/27/20 4:30	3.053	61.1	22.21	7.742	29.33	0
5/27/20 4:45	2.683	128.2	13.54	8.49	29.33	0
5/27/20 5:00	1.995	107.2	4.772	8.31	29.33	0
5/27/20 5:15	1.175	71.4	20.53	9.27	29.33	0
5/27/20 5:30	1.925	39.48	11.74	9.57	29.33	0
5/27/20 5:45	2.187	19.33	5.433	9.82	29.33	0
5/27/20 6:00	1.807	19.39	5.711	10.35	29.35	0
5/27/20 6:15	1.224	21.95	10.29	10.82	29.35	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/27/20 6:30	1.08	48.78	42.68	11.69	29.35	0
5/27/20 6:45	1.605	50.88	22.61	11.18	29.35	0
5/27/20 7:00	2.986	9.71	16.18	11.1	29.35	0
5/27/20 7:15	3.632	33.48	15.54	11.23	29.35	0
5/27/20 7:30	1.568	40.47	53.54	12.54	29.35	0
5/27/20 7:45	0.577	327.1	66.56	13.22	29.35	0
5/27/20 8:00	2.099	47.08	20.68	13.42	29.36	0
5/27/20 8:15	1.932	7.51	18.51	14.5	29.36	0
5/27/20 8:30	3.077	9.16	19.02	14.88	29.36	0
5/27/20 8:45	3.391	5.101	30.99	15.43	29.36	0
5/27/20 9:00	2.8	25.44	31.86	16.16	29.35	0
5/27/20 9:15	7.795	18.71	18.31	16.77	29.35	0
5/27/20 9:30	8.04	16.77	11.94	16.86	29.35	0
5/27/20 9:45	10.56	16.7	8.17	17.28	29.35	0
5/27/20 10:00	11.13	17.21	9.36	17.38	29.35	0
5/27/20 10:15	10.35	13.45	11.76	17.76	29.35	0
5/27/20 10:30	10.35	18.75	16.39	18.02	29.35	0
5/27/20 10:45	10.95	10.64	17.66	18.43	29.35	0
5/27/20 11:00	10.31	9.64	15.23	19.11	29.33	0
5/27/20 11:15	9.26	347.5	19.78	19.46	29.33	0
5/27/20 11:30	8.14	356	19.6	19.81	29.33	0
5/27/20 11:45	8.17	356	24.23	20.31	29.33	0
5/27/20 12:00	9.34	2.653	18.52	20.36	29.34	0
5/27/20 12:15	9.99	339.4	16.35	20.74	29.34	0
5/27/20 12:30	9.47	356.8	25.73	21.03	29.34	0
5/27/20 12:45	8.46	359.2	20.83	21.28	29.34	0
5/27/20 13:00	8.57	14.37	21.45	21.36	29.31	0
5/27/20 13:15	8.55	4.943	21.26	21.95	29.31	0
5/27/20 13:30	9.67	21.4	18.46	21.87	29.31	0
5/27/20 13:45	9.91	15.08	13.55	22.41	29.31	0
5/27/20 14:00	7.244	7.232	19.71	22.61	29.3	0
5/27/20 14:15	8.23	9.38	20.8	23.17	29.3	0
5/27/20 14:30	9.48	11.87	14.46	23.22	29.3	0
5/27/20 14:45	10.94	20.08	10.32	22.89	29.3	0
5/27/20 15:00	9.61	21.76	14.48	23.02	29.3	0
5/27/20 15:15	10.42	14.62	13.25	23.24	29.3	0
5/27/20 15:30	10.7	15.15	13.23	22.97	29.3	0
5/27/20 15:45	11.54	12.59	12.36	23.37	29.3	0
5/27/20 16:00	10.33	12.07	13.03	23.27	29.29	0
5/27/20 16:15	10.22	12.25	12.74	23.32	29.29	0
5/27/20 16:30	8.7	12.75	13.63	23.45	29.29	0
5/27/20 16:45	9.52	12.09	13.77	23.63	29.29	0
5/27/20 17:00	8.93	10.35	16.73	23.4	29.27	0
5/27/20 17:15	5.99	349.5	23.49	23.4	29.27	0
5/27/20 17:30	6.674	307.9	13.6	23.33	29.27	0
5/27/20 17:45	6.928	310.3	8.86	23.02	29.27	0
5/27/20 18:00	5.528	313.1	12.01	22.88	29.27	0
5/27/20 18:15	4.907	328.5	20.99	22.64	29.27	0
5/27/20 18:30	4.137	352.9	19.6	22.49	29.27	0
5/27/20 18:45	4.658	355.4	17.56	22.29	29.27	0
5/27/20 19:00	5.169	355	20.71	21.77	29.26	0
5/27/20 19:15	4.455	352.8	21.67	21.63	29.26	0
5/27/20 19:30	4.714	335	19.61	20.56	29.26	0
5/27/20 19:45	3.67	9	25.13	20.06	29.26	0
5/27/20 20:00	2.636	38.18	16.8	19.3	29.25	0
5/27/20 20:15	4.749	24.78	17.56	19.05	29.25	0
5/27/20 20:30	5.89	30.73	9.54	18.66	29.25	0
5/27/20 20:45	9.77	26.96	8.98	18.4	29.25	0
5/27/20 21:00	10.27	25.08	8.01	18.35	29.26	0
5/27/20 21:15	11.23	18.44	8.29	18.08	29.26	0
5/27/20 21:30	11.98	16.77	8.15	17.91	29.26	0
5/27/20 21:45	13.68	15.29	6.916	17.73	29.26	0
5/27/20 22:00	9.92	18.67	12.54	17.54	29.25	0
5/27/20 22:15	7.596	35.7	8.88	16.77	29.25	0
5/27/20 22:30	7.285	41.61	8.59	15.88	29.25	0
5/27/20 22:45	6.56	39.1	9.19	15.64	29.25	0
5/27/20 23:00	6.218	39.56	7.476	15.69	29.25	0
5/27/20 23:15	6.946	32.36	9.26	15.36	29.25	0
5/27/20 23:30	4.262	39.36	10.46	15.23	29.25	0
5/27/20 23:45	3.068	30.25	8.93	14.73	29.25	0
5/28/20 0:00	2.171	29.84	1.607	15.03	29.23	0
5/28/20 0:15	2.641	40.86	11.62	15.06	29.23	0
5/28/20 0:30	3.962	60	8.41	14.69	29.23	0
5/28/20 0:45	3.41	56.49	7.922	14.69	29.23	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/28/20 1:00	4.409	61.12	6.108	14.84	29.22	0
5/28/20 1:15	4.03	53.32	9.3	14.38	29.22	0
5/28/20 1:30	3.866	28.84	7.748	14.45	29.22	0
5/28/20 1:45	3.398	25.98	12.89	14.14	29.22	0
5/28/20 2:00	3.666	26.3	3.885	14.13	29.23	0
5/28/20 2:15	2.919	1.055	19.38	14.37	29.23	0
5/28/20 2:30	3.193	11.28	9.74	14.37	29.23	0
5/28/20 2:45	3.255	22.46	4.35	14.36	29.23	0
5/28/20 3:00	3.763	30.32	6.602	13.97	29.23	0
5/28/20 3:15	3.952	20.24	6.572	13.44	29.23	0
5/28/20 3:30	3.064	41.16	13.02	13.35	29.23	0
5/28/20 3:45	3.672	27.63	5.467	13.22	29.23	0
5/28/20 4:00	4.414	21.94	5.41	13.12	29.22	0
5/28/20 4:15	4.771	37.56	9.64	13.08	29.22	0
5/28/20 4:30	3.719	35.48	4.965	12.96	29.22	0
5/28/20 4:45	4.503	35.04	4.738	12.71	29.22	0
5/28/20 5:00	4.585	32.77	5.378	12.83	29.21	0
5/28/20 5:15	4.227	44.21	5.762	12.58	29.21	0
5/28/20 5:30	4.165	35.06	6.671	13.46	29.21	0
5/28/20 5:45	3.025	20.48	8.99	13.8	29.21	0
5/28/20 6:00	2.973	34.99	7.566	13.39	29.23	0
5/28/20 6:15	0.857	21.28	23	15.21	29.23	0
5/28/20 6:30	1.924	37.85	11.19	15.09	29.23	0
5/28/20 6:45	2.319	53.9	10.45	15.28	29.23	0
5/28/20 7:00	2.578	71.48	12.19	15.98	29.24	0
5/28/20 7:15	2.241	67.49	13.55	16.18	29.24	0
5/28/20 7:30	1.015	85.4	38.53	17.8	29.24	0
5/28/20 7:45	1.403	108.1	56.94	18.4	29.24	0
5/28/20 8:00	0.877	281.7	72.56	18.49	29.22	0
5/28/20 8:15	1.946	175.6	39.76	19.31	29.22	0
5/28/20 8:30	1.887	221	25.37	19.29	29.22	0
5/28/20 8:45	1.824	304.2	34.69	19.92	29.22	0
5/28/20 9:00	2.285	285.9	38.65	20.39	29.23	0
5/28/20 9:15	4.133	30.19	38.43	20.51	29.23	0
5/28/20 9:30	3.585	25.47	28.78	20.86	29.23	0
5/28/20 9:45	4.61	296	23.37	21.35	29.23	0
5/28/20 10:00	4.869	329.3	60.4	21.39	29.22	0
5/28/20 10:15	4.043	35.97	25.38	21.7	29.22	0
5/28/20 10:30	4.6	41.06	21.15	22.41	29.22	0
5/28/20 10:45	3.592	33.43	22.82	23.07	29.22	0
5/28/20 11:00	3.733	26.01	18.88	23.3	29.22	0
5/28/20 11:15	5.2	19.39	25.71	23.49	29.22	0
5/28/20 11:30	6.082	30.69	16.4	23.59	29.22	0
5/28/20 11:45	5.79	28.69	16.57	24.5	29.22	0
5/28/20 12:00	5.357	40.38	14.27	24.63	29.2	0
5/28/20 12:15	6.521	29.85	21.67	24.5	29.2	0
5/28/20 12:30	4.441	3.761	44.97	25.21	29.2	0
5/28/20 12:45	6.792	18.46	16.95	25.55	29.2	0
5/28/20 13:00	6.696	14.83	21.17	25.7	29.18	0
5/28/20 13:15	5.779	357	28.49	26.57	29.18	0
5/28/20 13:30	5.571	13.78	20.13	26.75	29.18	0
5/28/20 13:45	6.869	9.76	25.12	26.46	29.18	0
5/28/20 14:00	7.051	19.19	18.02	26.32	29.18	0
5/28/20 14:15	7.865	20.03	14.7	26.09	29.18	0
5/28/20 14:30	6.748	25.45	15.45	26.21	29.18	0
5/28/20 14:45	7.442	5.35	19.7	26.88	29.18	0
5/28/20 15:00	9.86	29.92	9.13	26.19	29.14	0
5/28/20 15:15	7.197	8.27	24.72	27.22	29.14	0
5/28/20 15:30	7.919	344.1	18.44	27.19	29.14	0
5/28/20 15:45	8.75	356.9	17.68	27.13	29.14	0
5/28/20 16:00	7.966	11.21	14.29	27.44	29.15	0
5/28/20 16:15	7.785	2.915	19.54	27.24	29.15	0
5/28/20 16:30	8.52	0.018	15.98	26.73	29.15	0
5/28/20 16:45	8.22	327.2	14.78	26.83	29.15	0
5/28/20 17:00	7.001	315.6	15.62	26.92	29.15	0
5/28/20 17:15	5.856	339.7	15.26	26.69	29.15	0
5/28/20 17:30	3.704	0.726	20.17	26.89	29.15	0
5/28/20 17:45	4.352	342.1	18.72	26.39	29.15	0
5/28/20 18:00	3.588	358.2	26.51	25.6	29.12	0
5/28/20 18:15	6.454	19.79	18.58	25.09	29.12	0
5/28/20 18:30	6.417	357.2	17.5	24.8	29.12	0
5/28/20 18:45	7.606	18.34	14.15	24.43	29.12	0
5/28/20 19:00	9.41	20.29	10.39	23.75	29.12	0
5/28/20 19:15	5.725	355.2	26.75	23.68	29.12	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/28/20 19:30	3.903	307.4	26.74	23.55	29.12	0
5/28/20 19:45	3.935	316.7	20.81	23.08	29.12	0
5/28/20 20:00	5.054	9.91	19.65	21.93	29.14	0
5/28/20 20:15	5.509	20.27	10.97	21.63	29.14	0
5/28/20 20:30	7.856	34.28	7.873	21.24	29.14	0
5/28/20 20:45	7.313	45.83	7.532	20.69	29.14	0
5/28/20 21:00	5.819	47.75	6.886	20.72	29.14	0
5/28/20 21:15	4.621	38.26	6.99	20.99	29.14	0
5/28/20 21:30	4.272	24.06	9.19	20.6	29.14	0
5/28/20 21:45	4.518	18.99	14.41	20.23	29.14	0
5/28/20 22:00	3.11	33.17	10.43	19.72	29.13	0
5/28/20 22:15	1.897	41.92	16.25	19.69	29.13	0
5/28/20 22:30	2.292	16.72	28.62	19.43	29.13	0
5/28/20 22:45	2.568	2.766	20.13	18.45	29.13	0
5/28/20 23:00	3.238	27.31	8.91	19.23	29.11	0
5/28/20 23:15	5.3	54.26	8.56	18.46	29.11	0
5/28/20 23:30	6.085	50.4	16.49	18.81	29.11	0
5/28/20 23:45	6.31	74.15	10.55	18.64	29.11	0
5/29/20 0:00	6.634	344.2	52.95	18.58	29.13	0
5/29/20 0:15	8.4	296.8	40.07	17.95	29.13	0
5/29/20 0:30	4.531	46.67	9.51	17.92	29.13	0
5/29/20 0:45	5.588	47.85	12.7	17.9	29.13	0
5/29/20 1:00	6.945	38.63	7.303	17.16	29.14	0
5/29/20 1:15	7.82	50.68	10.58	16.73	29.14	0
5/29/20 1:30	7.767	43.97	9.62	16.61	29.14	0
5/29/20 1:45	7.389	38.91	9.34	16.65	29.14	0
5/29/20 2:00	6.567	43	9.01	16.41	29.12	0
5/29/20 2:15	4.151	21.9	14.26	16.54	29.12	0
5/29/20 2:30	3.669	25.94	14.71	16.53	29.12	0
5/29/20 2:45	6.01	25.76	11.68	16.17	29.12	0
5/29/20 3:00	6.142	29.11	9.06	16.12	29.12	0
5/29/20 3:15	5.549	30.28	9.39	16.08	29.12	0
5/29/20 3:30	4.396	28.11	8.65	16.09	29.12	0
5/29/20 3:45	3.217	36.42	5.686	16.1	29.12	0
5/29/20 4:00	3.721	42.14	7.537	15.93	29.15	0
5/29/20 4:15	4.146	36.59	6.232	15.47	29.15	0
5/29/20 4:30	4.45	19.26	7.182	15.41	29.15	0
5/29/20 4:45	5.622	23.41	10.04	15.62	29.15	0
5/29/20 5:00	6.165	30.62	8.6	15.49	29.13	0
5/29/20 5:15	6.468	35.73	7.668	15.25	29.13	0
5/29/20 5:30	6.417	29.75	9.05	15.11	29.13	0
5/29/20 5:45	5.148	21.66	7.57	15.17	29.13	0
5/29/20 6:00	3.976	18.09	6.027	15.34	29.16	0
5/29/20 6:15	3.381	26.69	8.87	16.26	29.16	0
5/29/20 6:30	4.605	34.17	8.71	16.7	29.16	0
5/29/20 6:45	5.823	39.15	7.769	16.87	29.16	0
5/29/20 7:00	5.669	35.05	9.22	17.32	29.15	0
5/29/20 7:15	3.012	24.37	11.58	17.51	29.15	0
5/29/20 7:30	1.937	58.97	20.69	17.58	29.15	0
5/29/20 7:45	6.145	25.88	12.79	17.1	29.15	0
5/29/20 8:00	5.905	27.27	10.67	17.32	29.16	0
5/29/20 8:15	3.564	22.74	11.27	18.33	29.16	0
5/29/20 8:30	2.787	19.48	15.95	18.8	29.16	0
5/29/20 8:45	2.395	16.33	21.73	20.41	29.16	0
5/29/20 9:00	7.887	21.78	11.54	20.64	29.15	0
5/29/20 9:15	8.62	10.21	14.91	20.61	29.15	0
5/29/20 9:30	9.66	23.96	10.02	21.14	29.15	0
5/29/20 9:45	9.22	32.17	8.35	21.05	29.15	0
5/29/20 10:00	5.776	339.3	23.54	21.01	29.12	0
5/29/20 10:15	1.606	342.4	37.55	21.83	29.12	0
5/29/20 10:30	7.189	18.35	16.25	22.26	29.12	0
5/29/20 10:45	9.16	24.39	11.67	22.59	29.12	0
5/29/20 11:00	6.977	9.52	15.05	22.92	29.1	0
5/29/20 11:15	6.47	25.07	20.38	23.12	29.1	0
5/29/20 11:30	7.281	329.2	28.49	23.74	29.1	0
5/29/20 11:45	5.915	349.6	36.97	24.05	29.1	0
5/29/20 12:00	6.251	319	24.24	24.58	29.11	0
5/29/20 12:15	7.423	327.4	18.51	24.31	29.11	0
5/29/20 12:30	5.41	331.3	31.12	24.68	29.11	0
5/29/20 12:45	7.247	324.6	24.64	24.68	29.11	0
5/29/20 13:00	7.511	322.1	16.05	24.86	29.1	0
5/29/20 13:15	6.955	0.542	22.79	24.87	29.1	0
5/29/20 13:30	8.85	349.5	39.72	25.39	29.1	0
5/29/20 13:45	7.166	331.8	27.31	25.48	29.1	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/29/20 14:00	8.13	11.5	24.29	25.33	29.07	0
5/29/20 14:15	11.47	21.32	15.42	24.81	29.07	0
5/29/20 14:30	9.89	21.57	12.38	24.26	29.07	0
5/29/20 14:45	9.05	3.862	18.4	25.01	29.07	0
5/29/20 15:00	9.57	352.9	19.96	25.14	29.07	0
5/29/20 15:15	8.28	333.4	23.39	25.2	29.07	0
5/29/20 15:30	9.88	325	11.24	24.27	29.07	0
5/29/20 15:45	8.39	349.2	21.52	23.7	29.07	0
5/29/20 16:00	8.27	345.6	14.6	23.86	29.06	0
5/29/20 16:15	8.23	353.6	15.55	23.73	29.06	0
5/29/20 16:30	8.81	337	17.23	23.34	29.06	0
5/29/20 16:45	6.913	350	19.46	23.2	29.06	0
5/29/20 17:00	5.927	10.78	20.38	23.25	29.07	0
5/29/20 17:15	6.474	20.1	8.75	23.03	29.07	0
5/29/20 17:30	6.793	11.33	13.36	22.93	29.07	0
5/29/20 17:45	6.999	5.312	17.36	22.72	29.07	0
5/29/20 18:00	5.717	359.3	16.85	22.3	29.05	0
5/29/20 18:15	7.001	5.396	21.13	21.98	29.05	0
5/29/20 18:30	9.48	24.88	14.25	21.15	29.05	0
5/29/20 18:45	10.94	13.02	11.56	20.42	29.05	0
5/29/20 19:00	12.13	15.08	9.92	19.9	29.03	0
5/29/20 19:15	12.8	19.11	8.08	19.27	29.03	0
5/29/20 19:30	11.11	20.28	9.78	18.72	29.03	0
5/29/20 19:45	13.69	22.35	10.17	18.35	29.03	0
5/29/20 20:00	10.67	23.89	8.57	17.84	29.03	0
5/29/20 20:15	11.16	24.92	8.08	17.59	29.03	0
5/29/20 20:30	9.96	20.66	10.35	17.4	29.03	0
5/29/20 20:45	14.21	23.31	9.32	17.06	29.03	0
5/29/20 21:00	13.21	24.99	9.48	16.71	29.04	0
5/29/20 21:15	12.57	21.63	10.34	16.67	29.04	0
5/29/20 21:30	10.67	15.99	9.99	16.94	29.04	0
5/29/20 21:45	12.27	23.31	9.95	16.89	29.04	0
5/29/20 22:00	12.38	30.12	9.75	15.93	29.03	0
5/29/20 22:15	13.39	28.71	8.49	15.38	29.03	0
5/29/20 22:30	11.47	31.69	7.259	14.93	29.03	0
5/29/20 22:45	10.11	35.55	7.528	14.65	29.03	0
5/29/20 23:00	10.14	35.43	9.5	14.4	29.03	0
5/29/20 23:15	9	34.17	9.12	14.63	29.03	0
5/29/20 23:30	7.158	28.14	6.815	13.97	29.03	0
5/29/20 23:45	11.39	30.34	7.207	13.99	29.03	0
5/30/20 0:00	11.98	27.16	7.313	14.17	29.01	0
5/30/20 0:15	11.51	29.05	7.943	14.52	29.01	0
5/30/20 0:30	10.36	30.82	9.01	14.36	29.01	0
5/30/20 0:45	10.87	37.99	8.82	13.79	29.01	0
5/30/20 1:00	10.49	31.02	9.42	13.48	28.99	0
5/30/20 1:15	9.25	32.44	9.41	13.16	28.99	0
5/30/20 1:30	7.832	28.56	8.52	13.05	28.99	0
5/30/20 1:45	4.564	27.93	7.571	12.67	28.99	0
5/30/20 2:00	2.897	323.9	41.43	13.92	28.98	0
5/30/20 2:15	1.256	2.842	57.57	13.92	28.98	0
5/30/20 2:30	2.394	47.7	9.9	13.63	28.98	0
5/30/20 2:45	2.896	26.6	17.03	13.08	28.98	0
5/30/20 3:00	3.392	238.7	32.28	13.35	29	0
5/30/20 3:15	2.928	223.4	35.14	13.42	29	0
5/30/20 3:30	2.56	75.31	38.51	13.5	29	0
5/30/20 3:45	4.804	64.93	14.62	12.5	29	0
5/30/20 4:00	8.55	40.16	10.33	12.44	28.99	0
5/30/20 4:15	7.356	36.98	30.26	13.21	28.99	0
5/30/20 4:30	7.314	9.05	31.93	13.86	28.99	0
5/30/20 4:45	3.179	73.3	30.16	13.16	28.99	0
5/30/20 5:00	6.443	37.27	12.44	12.54	29.01	0
5/30/20 5:15	6.225	36.16	6.919	12.11	29.01	0
5/30/20 5:30	4.639	42.38	6.707	12.05	29.01	0
5/30/20 5:45	3.867	59.29	11.96	12.29	29.01	0
5/30/20 6:00	2.883	68.63	15.73	12.3	28.99	0
5/30/20 6:15	1.768	114.5	31.77	12.21	28.99	0
5/30/20 6:30	1.379	32.99	26.76	12.31	28.99	0
5/30/20 6:45	3.723	0.33	19.81	12.05	28.99	0
5/30/20 7:00	2.887	81.7	35.41	11.91	28.99	0
5/30/20 7:15	6.327	278.5	54.07	12.33	28.99	0
5/30/20 7:30	10.24	184	22.38	12.31	28.99	0
5/30/20 7:45	5.515	64.23	37	11.72	28.99	0.05
5/30/20 8:00	6.56	85.8	33.58	10.52	29.08	0.05
5/30/20 8:15	10.23	133.3	10.41	10.81	29.08	0.02

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/30/20 8:30	4.707	72.92	62.17	10.78	29.08	0.04
5/30/20 8:45	5.589	321.9	19.24	10.63	29.08	0.06
5/30/20 9:00	6.587	7.99	58.51	10.4	29	0.03
5/30/20 9:15	6.772	85.2	24.27	10.49	29	0.03
5/30/20 9:30	3.393	122.6	16.22	10.82	29	0.03
5/30/20 9:45	8.36	211.3	36.64	11.18	29	0
5/30/20 10:00	11.26	264.8	9.14	10.77	28.97	0.01
5/30/20 10:15	9.16	260.8	7.678	10.93	28.97	0
5/30/20 10:30	8.44	285.1	11.76	10.93	28.97	0
5/30/20 10:45	5.146	335.2	33.15	11.23	28.97	0
5/30/20 11:00	5.651	28.28	8.7	10.73	28.99	0
5/30/20 11:15	3.59	9.57	21.75	10.64	28.99	0
5/30/20 11:30	0.548	49.04	3.589	10.65	28.99	0.01
5/30/20 11:45	2.876	275.4	74.46	11.13	28.99	0.01
5/30/20 12:00	5.882	227.4	17.5	11.02	29	0.01
5/30/20 12:15	4.706	88.3	99.9	10.9	29	0.03
5/30/20 12:30	1.906	6.631	5.233	10.79	29	0.04
5/30/20 12:45	1.413	31.31	64.98	10.98	29	0.07
5/30/20 13:00	5.35	225	35.07	11.23	29	0.02
5/30/20 13:15	4.526	304.8	27.74	11.34	29	0.01
5/30/20 13:30	6.17	268.8	14.05	11.29	29	0
5/30/20 13:45	7.163	267.9	8.15	11.13	29	0
5/30/20 14:00	6.269	286	9.86	11.14	28.99	0
5/30/20 14:15	5.243	288.9	9.43	11.18	28.99	0
5/30/20 14:30	6.552	280.8	12.02	11.2	28.99	0
5/30/20 14:45	6.341	268.4	7.507	10.97	28.99	0
5/30/20 15:00	5.755	268.5	7.522	10.97	29.02	0
5/30/20 15:15	5.578	254.2	8.94	11.09	29.02	0
5/30/20 15:30	5.248	248.5	17.28	11.16	29.02	0
5/30/20 15:45	8.27	201.7	13.24	11.18	29.02	0.04
5/30/20 16:00	4.845	239.9	19.53	11	29.05	0.09
5/30/20 16:15	3.53	206.1	15.17	11.09	29.05	0.03
5/30/20 16:30	5.724	193.5	11.48	11.02	29.05	0.07
5/30/20 16:45	7.765	191.5	10.03	11.06	29.05	0.08
5/30/20 17:00	8.76	174.9	11.08	11.04	29.12	0.04
5/30/20 17:15	12	162.4	8.04	11.06	29.12	0.07
5/30/20 17:30	9.89	180.9	14.43	11.02	29.12	0.05
5/30/20 17:45	7.418	195.9	13.86	10.8	29.12	0.04
5/30/20 18:00	7.35	178.7	25.32	10.48	29.08	0.03
5/30/20 18:15	6.148	94.5	27.17	10.1	29.08	0.02
5/30/20 18:30	2.05	133.7	20.39	10	29.08	0.02
5/30/20 18:45	6.19	213.6	8.26	10.3	29.08	0
5/30/20 19:00	8.34	209.8	7.012	10.17	29.05	0.01
5/30/20 19:15	10.12	194.7	9.37	10.14	29.05	0
5/30/20 19:30	9.6	178.2	13.34	9.92	29.05	0
5/30/20 19:45	9.77	158.1	8.49	9.81	29.05	0
5/30/20 20:00	11.28	164.7	8.14	9.88	29.11	0
5/30/20 20:15	11.5	165.9	9.34	9.78	29.11	0
5/30/20 20:30	11.68	162.5	8.74	9.78	29.11	0
5/30/20 20:45	10.52	159.3	7.465	9.68	29.11	0.01
5/30/20 21:00	9.68	154.5	8.13	9.52	29.12	0.01
5/30/20 21:15	9.67	151	7.091	9.35	29.12	0.01
5/30/20 21:30	8.73	151	8.43	9.25	29.12	0
5/30/20 21:45	8.82	147.8	8.51	9.25	29.12	0
5/30/20 22:00	8.42	150.6	7.868	9.19	29.12	0.01
5/30/20 22:15	9.94	149.9	8.67	9.17	29.12	0
5/30/20 22:30	9.78	145.6	8.08	9.21	29.12	0
5/30/20 22:45	9.14	148.4	9.7	9.21	29.12	0.01
5/30/20 23:00	8.54	150.1	8.41	9.15	29.13	0
5/30/20 23:15	7.888	146.8	7.208	9.11	29.13	0.01
5/30/20 23:30	7.785	146.9	7.659	9.07	29.13	0
5/30/20 23:45	6.845	151.2	8.5	9.05	29.13	0.01
5/31/20 0:00	7.417	158.3	11.05	9.15	29.12	0
5/31/20 0:15	8.72	152.6	6.992	9.01	29.12	0
5/31/20 0:30	9.68	158.9	10.07	9.14	29.12	0.01
5/31/20 0:45	9.44	154.4	13.04	9.14	29.12	0
5/31/20 1:00	8.71	151.3	8.73	8.95	29.14	0
5/31/20 1:15	8.64	143	8.58	8.9	29.14	0.01
5/31/20 1:30	10.3	148.9	8.17	8.84	29.14	0
5/31/20 1:45	10.64	151.6	9.24	8.81	29.14	0
5/31/20 2:00	11.05	149.1	8.75	8.71	29.16	0.01
5/31/20 2:15	11.25	155.2	7.667	8.65	29.16	0
5/31/20 2:30	11.22	155.2	9.07	8.62	29.16	0.01
5/31/20 2:45	10.65	153.2	9.07	8.68	29.16	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/31/20 3:00	11.02	145.3	8.71	8.49	29.18	0.01
5/31/20 3:15	9.83	141.8	10.41	8.4	29.18	0.01
5/31/20 3:30	8.97	133.9	9.75	8.3	29.18	0.02
5/31/20 3:45	7.703	133	9.58	8.23	29.18	0.01
5/31/20 4:00	7.864	140.6	9.36	8.26	29.17	0.01
5/31/20 4:15	8.95	142.3	10.27	8.31	29.17	0
5/31/20 4:30	8.54	148.9	10.64	8.31	29.17	0.01
5/31/20 4:45	10.45	150.7	10.19	8.28	29.17	0.01
5/31/20 5:00	9.44	152.2	9.75	8.26	29.2	0
5/31/20 5:15	8.68	139.2	11.34	8.18	29.2	0.01
5/31/20 5:30	7.011	141.9	12.48	8.16	29.2	0
5/31/20 5:45	6.659	139.2	11.08	8.16	29.2	0.01
5/31/20 6:00	6.761	156.6	37.53	8.27	29.19	0
5/31/20 6:15	7.304	153	10.03	8.31	29.19	0.01
5/31/20 6:30	5.898	138.9	10.06	8.23	29.19	0.01
5/31/20 6:45	6.661	148.7	10.01	8.28	29.19	0.01
5/31/20 7:00	6.808	136.8	10.37	8.29	29.21	0.01
5/31/20 7:15	4.884	125.6	9.61	8.37	29.21	0
5/31/20 7:30	5.077	126.4	8.2	8.42	29.21	0.01
5/31/20 7:45	4.931	136.3	13.07	8.77	29.21	0
5/31/20 8:00	5.637	149.9	17.76	9.16	29.24	0
5/31/20 8:15	4.059	179.8	18.06	9.21	29.24	0
5/31/20 8:30	4.755	182.7	21.85	9.28	29.24	0.01
5/31/20 8:45	5.662	166.2	15.91	9.39	29.24	0.01
5/31/20 9:00	5.615	146.9	14.56	9.4	29.25	0
5/31/20 9:15	5.978	121.2	9.54	9.28	29.25	0.01
5/31/20 9:30	4.893	115.2	11.31	9.32	29.25	0
5/31/20 9:45	4.947	117.2	9.52	9.32	29.25	0
5/31/20 10:00	4.301	119.6	9.52	9.3	29.25	0.01
5/31/20 10:15	4.154	108.2	9.65	9.38	29.25	0
5/31/20 10:30	3.703	105.7	8.3	9.58	29.25	0
5/31/20 10:45	3.595	110.7	9.97	10.25	29.25	0
5/31/20 11:00	3.032	120.6	16.68	10.97	29.26	0
5/31/20 11:15	2.482	123.2	14.81	11.13	29.26	0
5/31/20 11:30	3.637	154.9	32.02	11.34	29.26	0
5/31/20 11:45	6.062	197.1	10.63	11.72	29.26	0
5/31/20 12:00	5.256	202.3	11.52	12.48	29.3	0
5/31/20 12:15	3.282	238.6	28.39	12.82	29.3	0
5/31/20 12:30	3.327	231.1	36.56	12.69	29.3	0
5/31/20 12:45	4.685	217.9	24.94	12.91	29.3	0
5/31/20 13:00	5.807	201	12.29	13.26	29.3	0
5/31/20 13:15	6.546	197.2	15.99	13.58	29.3	0
5/31/20 13:30	6.991	210.5	23.94	13.58	29.3	0
5/31/20 13:45	8.23	212.8	15.16	13.75	29.3	0
5/31/20 14:00	8.33	197.7	12.65	14.54	29.29	0
5/31/20 14:15	9	209	15.67	14.73	29.29	0
5/31/20 14:30	6.564	209.9	34.06	14.89	29.29	0
5/31/20 14:45	7.839	214.6	18.14	15.58	29.29	0
5/31/20 15:00	8.37	212.6	18.4	14.65	29.29	0
5/31/20 15:15	6.121	218.6	10.42	14.85	29.29	0
5/31/20 15:30	7.673	226	22.2	14.39	29.29	0
5/31/20 15:45	7.039	255.5	8.41	14.23	29.29	0
5/31/20 16:00	3.127	269.5	21.14	14.8	29.31	0
5/31/20 16:15	4.013	188.3	42.38	14.73	29.31	0
5/31/20 16:30	6.149	215	22.26	14.44	29.31	0
5/31/20 16:45	3.591	187.2	28.48	14.34	29.31	0
5/31/20 17:00	2.582	122.2	15.09	14.46	29.3	0
5/31/20 17:15	3.137	124.7	16	14.14	29.3	0
5/31/20 17:30	3.212	88.2	9.57	13.77	29.3	0
5/31/20 17:45	3.731	61.12	16.77	13.59	29.3	0
5/31/20 18:00	3.754	37.42	3.867	12.87	29.29	0
5/31/20 18:15	2.4	33.84	3.722	12.92	29.29	0
5/31/20 18:30	4.399	42.73	9.11	12.87	29.29	0
5/31/20 18:45	4.966	43.23	9.46	12.87	29.29	0
5/31/20 19:00	4.525	47.84	8.6	12.6	29.27	0
5/31/20 19:15	5.418	43.22	7.851	12.5	29.27	0
5/31/20 19:30	5.463	29.52	16.7	12.29	29.27	0
5/31/20 19:45	4.167	27.06	10.02	12.15	29.27	0
5/31/20 20:00	4.912	36.84	8.23	11.79	29.28	0
5/31/20 20:15	4.252	38.61	8.41	11.43	29.28	0
5/31/20 20:30	4.673	42.08	6.642	10.97	29.28	0
5/31/20 20:45	5.083	48.87	5.901	10.62	29.28	0
5/31/20 21:00	5.114	44.36	6.77	10.41	29.27	0
5/31/20 21:15	4.435	38.83	6.108	10.33	29.27	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
5/31/20 21:30	3.93	33.2	6.458	10.09	29.27	0
5/31/20 21:45	4.586	40.29	9.66	9.92	29.27	0
5/31/20 22:00	5.937	45.06	7.693	9.84	29.28	0
5/31/20 22:15	5.865	37.83	9.46	9.7	29.28	0
5/31/20 22:30	5.706	42.21	5.489	9.48	29.28	0
5/31/20 22:45	5.715	43.25	8.03	9.34	29.28	0
5/31/20 23:00	5.173	37.4	8.72	9.32	29.27	0
5/31/20 23:15	7.462	32.39	14.65	9.72	29.27	0
5/31/20 23:30	7.225	40.65	8.83	9.58	29.27	0
5/31/20 23:45	7.625	41.07	8.78	9.31	29.27	0
6/1/20 0:00	8.35	41.06	9.84	9.15	29.26	0
6/1/20 0:15	9.1	35.6	7.709	9.23	29.26	0
6/1/20 0:30	7.959	38.52	8.9	9.25	29.26	0
6/1/20 0:45	6.401	35.05	6.355	8.71	29.26	0
6/1/20 1:00	5.916	47.02	7.496	8.61	29.26	0
6/1/20 1:15	7.251	50.31	7.953	8.84	29.26	0
6/1/20 1:30	6.254	47.26	10.82	8.83	29.26	0
6/1/20 1:45	5.71	45.23	9.86	8.58	29.26	0
6/1/20 2:00	5.674	52.64	11.51	8.66	29.27	0
6/1/20 2:15	6.192	61.42	13.44	9.02	29.27	0
6/1/20 2:30	6.478	68.64	15.59	8.93	29.27	0
6/1/20 2:45	5.313	71.66	18.32	9.15	29.27	0
6/1/20 3:00	4.762	87.6	12.5	9.07	29.28	0
6/1/20 3:15	4.45	68.69	13.09	8.87	29.28	0
6/1/20 3:30	3.771	52.63	12.54	9.02	29.28	0
6/1/20 3:45	0.959	52.69	19.21	9.03	29.28	0
6/1/20 4:00	1.719	171.2	20.96	8.74	29.28	0
6/1/20 4:15	2.738	190.3	9.57	8.58	29.28	0
6/1/20 4:30	1.87	204.7	9.22	8.76	29.28	0
6/1/20 4:45	0.395	300.8	43.02	8.71	29.28	0
6/1/20 5:00	1.557	152.5	49.37	8.69	29.28	0
6/1/20 5:15	1.783	149.7	32.66	8.26	29.28	0
6/1/20 5:30	2.229	161	39.02	8.68	29.28	0
6/1/20 5:45	1.944	145.6	20.97	8.66	29.28	0
6/1/20 6:00	0.353	110.7	7.167	8.88	29.31	0
6/1/20 6:15	0.467	107.4	0.55	9.48	29.31	0
6/1/20 6:30	1.347	97.8	4.916	9.93	29.31	0
6/1/20 6:45	1.842	101.5	14.74	9.96	29.31	0
6/1/20 7:00	1.444	49.71	5.851	10.17	29.32	0
6/1/20 7:15	2.233	48.66	9.32	10.29	29.32	0
6/1/20 7:30	3.679	51.37	23.01	10.71	29.32	0
6/1/20 7:45	3.179	31.61	14.74	11.28	29.32	0
6/1/20 8:00	3.714	28.54	20.14	11.27	29.35	0
6/1/20 8:15	1.962	40.47	19.68	12.74	29.35	0
6/1/20 8:30	3.655	294.3	21.41	12.75	29.35	0
6/1/20 8:45	3.112	260.8	34.17	12.87	29.35	0
6/1/20 9:00	2.88	342.3	24.34	13.57	29.34	0
6/1/20 9:15	4.416	358.8	27.42	13.81	29.34	0
6/1/20 9:30	3.996	317.1	21.56	14.05	29.34	0
6/1/20 9:45	4.195	354.3	52.46	14.3	29.34	0
6/1/20 10:00	4.18	349.4	48.43	14.74	29.36	0
6/1/20 10:15	6.455	20.76	27.28	15.25	29.36	0
6/1/20 10:30	4.526	331.7	38.62	14.95	29.36	0
6/1/20 10:45	6.801	330.4	22.1	15.74	29.36	0
6/1/20 11:00	8.13	320.1	14.57	15.38	29.36	0
6/1/20 11:15	7.087	333.7	23.87	16.09	29.36	0
6/1/20 11:30	5.563	324	18.59	16.27	29.36	0
6/1/20 11:45	4.412	346.9	32.24	17.44	29.36	0
6/1/20 12:00	5.497	315.1	40.53	17.49	29.34	0
6/1/20 12:15	6.872	310.1	34.3	15.73	29.34	0
6/1/20 12:30	7.646	320.4	17.64	15.68	29.34	0
6/1/20 12:45	7.351	304.7	24.6	16.71	29.34	0
6/1/20 13:00	6.597	307.9	13.11	16.63	29.37	0
6/1/20 13:15	8.44	344	23.23	17	29.37	0
6/1/20 13:30	6.373	333.9	18.38	16.93	29.37	0
6/1/20 13:45	4.581	340.8	37.99	16.69	29.37	0
6/1/20 14:00	4.325	6.693	69.41	18.02	29.35	0
6/1/20 14:15	4.375	353.6	27.88	18.1	29.35	0
6/1/20 14:30	5.693	310.6	26.55	18.4	29.35	0
6/1/20 14:45	5.462	311.2	35.69	18.03	29.35	0
6/1/20 15:00	6.092	338.7	27.28	18.24	29.35	0
6/1/20 15:15	5.005	302.9	30.92	18.33	29.35	0
6/1/20 15:30	6.054	325.2	25.12	18.36	29.35	0
6/1/20 15:45	6.927	4.561	22.45	18.54	29.35	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/1/20 16:00	7.083	349.7	40.21	18.51	29.37	0
6/1/20 16:15	5.373	303.2	14.99	18.74	29.37	0
6/1/20 16:30	6.228	324.8	14.76	18.58	29.37	0
6/1/20 16:45	6.647	306.3	10.1	18.32	29.37	0
6/1/20 17:00	5.846	305.6	11.05	17.69	29.37	0
6/1/20 17:15	7.38	335	26.17	18.17	29.37	0
6/1/20 17:30	5.92	354.9	18.37	18.01	29.37	0
6/1/20 17:45	4.126	355.1	20.73	18.16	29.37	0
6/1/20 18:00	5.904	15.67	28.28	17.9	29.37	0
6/1/20 18:15	6.082	29.48	6.253	17.15	29.37	0
6/1/20 18:30	5.358	26.88	9.13	17	29.37	0
6/1/20 18:45	5.193	332.5	14.73	17.47	29.37	0
6/1/20 19:00	6.134	322.6	3.931	17.03	29.36	0
6/1/20 19:15	5.895	322.8	4.474	16.74	29.36	0
6/1/20 19:30	5.957	327.8	6.017	16.08	29.36	0
6/1/20 19:45	5.977	322.7	5.31	15.59	29.36	0
6/1/20 20:00	5.205	351.5	18.1	15.41	29.37	0
6/1/20 20:15	3.654	15.4	8.24	15.27	29.37	0
6/1/20 20:30	3.139	41.37	9.94	14.86	29.37	0
6/1/20 20:45	4.34	50.23	8.68	14.35	29.37	0
6/1/20 21:00	5.184	52.56	6.072	13.84	29.4	0
6/1/20 21:15	6.209	44.26	6.169	13.62	29.4	0
6/1/20 21:30	6.408	49.17	5.113	13.54	29.4	0
6/1/20 21:45	6.627	48.02	5.498	13.37	29.4	0
6/1/20 22:00	6.773	48.97	8.62	13.12	29.38	0
6/1/20 22:15	6.829	40.21	7.575	12.54	29.38	0
6/1/20 22:30	7.961	45.89	6.322	12.38	29.38	0
6/1/20 22:45	9.52	41	7.721	12.21	29.38	0
6/1/20 23:00	9.71	44.68	8.93	11.76	29.39	0
6/1/20 23:15	10.52	44.15	8.33	11.55	29.39	0
6/1/20 23:30	8.69	42.87	10.53	11.28	29.39	0
6/1/20 23:45	5.389	47.4	8.83	10.92	29.39	0
6/2/20 0:00	3.795	64.15	6.824	10.15	29.4	0
6/2/20 0:15	3.454	73.15	17.48	10.1	29.4	0
6/2/20 0:30	3.949	110.5	17.07	10.37	29.4	0
6/2/20 0:45	4.456	102.7	10.7	10.33	29.4	0
6/2/20 1:00	3.999	111	6.088	9.48	29.38	0
6/2/20 1:15	4.06	111.2	5.952	9.52	29.38	0
6/2/20 1:30	3.332	117.2	5.868	9.78	29.38	0
6/2/20 1:45	3.384	142.3	14.21	9.96	29.38	0
6/2/20 2:00	3.063	144.9	8.12	10.06	29.37	0
6/2/20 2:15	3.826	130.4	7.828	10.1	29.37	0
6/2/20 2:30	4.792	140.3	5.46	10.23	29.37	0
6/2/20 2:45	4.42	159.8	8.61	10.33	29.37	0
6/2/20 3:00	4.74	163	7.802	10.39	29.37	0
6/2/20 3:15	3.897	185.4	8.43	10.05	29.37	0
6/2/20 3:30	3.677	170.4	5.486	9.77	29.37	0
6/2/20 3:45	3.885	155.4	5.993	9.49	29.37	0
6/2/20 4:00	3.298	151.7	3.977	9.41	29.38	0
6/2/20 4:15	2.769	136.7	4.69	9.17	29.38	0
6/2/20 4:30	2.938	157	10.19	9.41	29.38	0
6/2/20 4:45	3.989	172.3	6.74	9.33	29.38	0
6/2/20 5:00	4.309	172.7	11.17	9.2	29.38	0
6/2/20 5:15	3.795	158.3	13.82	9.25	29.38	0
6/2/20 5:30	2.894	162.1	12.51	9.85	29.38	0
6/2/20 5:45	3.642	181.3	14.76	9.87	29.38	0
6/2/20 6:00	5.141	210.4	10.21	9	29.36	0
6/2/20 6:15	4.914	202.3	8.37	9.19	29.36	0
6/2/20 6:30	4.755	196	15.35	9.65	29.36	0
6/2/20 6:45	3.467	160.5	12.74	10.01	29.36	0
6/2/20 7:00	3.336	155.8	12.6	10.49	29.38	0
6/2/20 7:15	3.388	184.4	10.91	10.96	29.38	0
6/2/20 7:30	3.322	207.9	12.77	11.09	29.38	0
6/2/20 7:45	2.06	181.1	23.71	11.51	29.38	0
6/2/20 8:00	3.408	172.5	21.59	12.24	29.39	0
6/2/20 8:15	3.959	191.6	15.83	12.03	29.39	0
6/2/20 8:30	3.174	150.2	17.07	13.33	29.39	0
6/2/20 8:45	3.323	149.3	22.22	14.05	29.39	0
6/2/20 9:00	4.006	157.5	19.46	14.31	29.39	0
6/2/20 9:15	4.043	214.1	39.47	14.17	29.39	0
6/2/20 9:30	3.576	217.3	20.14	14.74	29.39	0
6/2/20 9:45	3.837	219	25.05	14.9	29.39	0
6/2/20 10:00	2.308	234.6	62.21	15.6	29.38	0
6/2/20 10:15	4.957	163.9	21.06	16.21	29.38	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/2/20 10:30	6.033	171.5	18	16.56	29.38	0
6/2/20 10:45	6.43	199.8	20.18	16.68	29.38	0
6/2/20 11:00	5.942	196.4	14.05	17.41	29.34	0
6/2/20 11:15	6.351	202.8	18.69	17.76	29.34	0
6/2/20 11:30	4.655	203.3	21.42	18.06	29.34	0
6/2/20 11:45	4.411	207.3	16.7	18.08	29.34	0
6/2/20 12:00	5.774	218.8	31.7	18	29.35	0
6/2/20 12:15	10.18	243.4	15.01	18.54	29.35	0
6/2/20 12:30	9.01	235.5	10.39	18.58	29.35	0
6/2/20 12:45	8.12	249.1	18.27	18.61	29.35	0
6/2/20 13:00	7.921	251.3	9.72	18.35	29.36	0
6/2/20 13:15	5.741	253.6	19.22	18.27	29.36	0
6/2/20 13:30	7.116	236.1	13.23	17.85	29.36	0
6/2/20 13:45	5.686	232.1	13.26	17.77	29.36	0
6/2/20 14:00	6.375	250	19.43	17.8	29.36	0
6/2/20 14:15	6.918	262.5	8.44	17.5	29.36	0
6/2/20 14:30	7.613	269.4	13.67	17.23	29.36	0
6/2/20 14:45	11.22	281.6	11.26	16.66	29.36	0
6/2/20 15:00	10.71	277.8	10.92	16.14	29.39	0
6/2/20 15:15	12.12	290.8	6.147	15.83	29.39	0
6/2/20 15:30	6.286	277.6	13.8	15.6	29.39	0
6/2/20 15:45	5.788	292.1	13.18	15.58	29.39	0.01
6/2/20 16:00	4.611	16.98	33.63	14.76	29.37	0
6/2/20 16:15	4.463	61.52	11.44	14.71	29.37	0
6/2/20 16:30	4.705	75.66	9.72	14.55	29.37	0
6/2/20 16:45	5.511	165.5	43.98	14.69	29.37	0
6/2/20 17:00	7.782	179.9	11.4	14.48	29.39	0
6/2/20 17:15	6.909	182	11.77	14.54	29.39	0
6/2/20 17:30	6.255	188.1	15.22	14.72	29.39	0
6/2/20 17:45	5.918	191	16.64	14.77	29.39	0
6/2/20 18:00	6.687	268.9	7.918	14.53	29.39	0
6/2/20 18:15	5.439	285.6	10.87	14.17	29.39	0
6/2/20 18:30	5.903	275	9.03	13.94	29.39	0
6/2/20 18:45	4.574	278.4	10.63	13.89	29.39	0
6/2/20 19:00	5.05	269	15.75	13.71	29.38	0
6/2/20 19:15	5.45	299.6	7.646	13.56	29.38	0
6/2/20 19:30	4.451	312.3	5.294	13.23	29.38	0
6/2/20 19:45	3.147	304.5	5.212	13.06	29.38	0
6/2/20 20:00	3.043	283.3	9.4	13.09	29.4	0
6/2/20 20:15	3.15	271.5	4.617	12.94	29.4	0
6/2/20 20:30	3.127	273.6	14.36	12.79	29.4	0
6/2/20 20:45	3.306	256.7	4.916	12.64	29.4	0
6/2/20 21:00	3.114	275.1	8.36	12.31	29.39	0
6/2/20 21:15	2.178	296.5	11.52	12.25	29.39	0
6/2/20 21:30	3.052	334.3	6.887	12.26	29.39	0
6/2/20 21:45	2.558	326	6.168	12.2	29.39	0
6/2/20 22:00	2.086	320.8	3.22	12.3	29.42	0
6/2/20 22:15	1.293	307.2	14.25	12.29	29.42	0
6/2/20 22:30	2.24	261.4	13.97	12.33	29.42	0
6/2/20 22:45	3.251	292.3	5.531	12.08	29.42	0
6/2/20 23:00	3.478	296.4	8.09	11.44	29.41	0
6/2/20 23:15	3.479	320.8	2.56	11.21	29.41	0
6/2/20 23:30	3.772	316.4	2.824	10.98	29.41	0
6/2/20 23:45	3.115	309.4	2.788	11.24	29.41	0
6/3/20 0:00	2.465	337.6	6.396	11.26	29.42	0
6/3/20 0:15	2.345	280.6	51.04	11.28	29.42	0
6/3/20 0:30	1.309	210.1	2.038	10.84	29.42	0
6/3/20 0:45	0.752	97.5	2.854	10.45	29.42	0
6/3/20 1:00	2.666	109.5	7.415	10.45	29.4	0
6/3/20 1:15	1.105	107.8	2.709	10.81	29.4	0
6/3/20 1:30	0	0	0	11.28	29.4	0
6/3/20 1:45	1.229	209.1	4.755	11.27	29.4	0
6/3/20 2:00	1.291	200.7	1.543	11.05	29.4	0
6/3/20 2:15	1.341	326.6	2.252	10.75	29.4	0
6/3/20 2:30	2.587	339.1	7.82	10.16	29.4	0
6/3/20 2:45	1.321	10.45	14.29	10.25	29.4	0
6/3/20 3:00	2.329	341	4.187	10.49	29.39	0
6/3/20 3:15	3.368	336.1	10.16	10.43	29.39	0
6/3/20 3:30	3.53	1.909	17.26	9.64	29.39	0
6/3/20 3:45	3.133	11.02	8.03	9.67	29.39	0
6/3/20 4:00	5.786	15.72	5.773	9.44	29.37	0
6/3/20 4:15	4.34	18.25	7.963	9.25	29.37	0
6/3/20 4:30	4.445	12.15	6.876	8.9	29.37	0
6/3/20 4:45	4.704	19.69	6.221	8.79	29.37	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/3/20 5:00	4.829	22.98	11.59	8.85	29.37	0
6/3/20 5:15	5.403	34.45	5.679	8.98	29.37	0
6/3/20 5:30	4.7	36.2	12.56	9.08	29.37	0
6/3/20 5:45	1.962	56.96	8.07	9.77	29.37	0
6/3/20 6:00	2.498	21.24	11.28	10.05	29.38	0
6/3/20 6:15	1.775	22.7	15.62	10.19	29.38	0
6/3/20 6:30	3.681	37.28	13.24	10.86	29.38	0
6/3/20 6:45	4.189	6.263	16.55	11.34	29.38	0
6/3/20 7:00	6.016	26.3	14.69	11.63	29.4	0
6/3/20 7:15	5.1	29.19	10.08	11.5	29.4	0
6/3/20 7:30	5.272	30.26	13.52	11.22	29.4	0
6/3/20 7:45	6.724	18.82	6.595	11.13	29.4	0
6/3/20 8:00	4.9	13.4	15.73	11.33	29.4	0
6/3/20 8:15	5.69	16.03	11.1	11.53	29.4	0
6/3/20 8:30	4.531	352.5	22.05	11.27	29.4	0
6/3/20 8:45	4.836	359.6	27.83	11.31	29.4	0
6/3/20 9:00	6.049	334.6	17.54	11.06	29.4	0
6/3/20 9:15	6.446	358.6	26.12	11.19	29.4	0
6/3/20 9:30	7.525	25.49	10.84	11.13	29.4	0
6/3/20 9:45	5.657	12.24	16.11	11.71	29.4	0
6/3/20 10:00	6.556	353.2	17.2	12.4	29.37	0
6/3/20 10:15	7.117	358	17.25	12.75	29.37	0
6/3/20 10:30	7.415	2.97	18.88	13.16	29.37	0
6/3/20 10:45	7.22	332.5	25.61	13.69	29.37	0
6/3/20 11:00	7.45	310.1	16.84	13.9	29.38	0
6/3/20 11:15	6.452	300.5	23.64	14.09	29.38	0
6/3/20 11:30	5.765	282.1	19.97	14.94	29.38	0
6/3/20 11:45	6.035	297.7	29.89	15.64	29.38	0
6/3/20 12:00	5.515	303.6	49.8	16.14	29.36	0
6/3/20 12:15	4.712	316	39.45	16.52	29.36	0
6/3/20 12:30	6.37	301.5	21.28	16.29	29.36	0
6/3/20 12:45	4.771	251	35.28	16.24	29.36	0
6/3/20 13:00	6.07	296	24.74	16.19	29.33	0
6/3/20 13:15	4.395	296.8	45	16.48	29.33	0
6/3/20 13:30	6.782	286.8	43.7	16.42	29.33	0
6/3/20 13:45	6.284	285.5	31.63	17.28	29.33	0
6/3/20 14:00	5.933	344.9	18.85	17.04	29.32	0
6/3/20 14:15	7.49	346.5	18.91	17.12	29.32	0
6/3/20 14:30	5.81	327.3	29.54	17.58	29.32	0
6/3/20 14:45	4.358	334.6	32.87	17.41	29.32	0
6/3/20 15:00	6.316	316.1	14.75	17.61	29.29	0
6/3/20 15:15	6.083	312.9	17.68	17.57	29.29	0
6/3/20 15:30	7.241	325.1	23.98	17.88	29.29	0
6/3/20 15:45	7.641	306.7	20.24	17.77	29.29	0
6/3/20 16:00	9.9	305.7	16.65	17.38	29.3	0
6/3/20 16:15	10.35	295.6	11.54	17.16	29.3	0
6/3/20 16:30	9.36	301.3	13.2	17.52	29.3	0
6/3/20 16:45	10.81	315.2	10.68	17.67	29.3	0
6/3/20 17:00	9.22	292.4	12.43	16.72	29.31	0
6/3/20 17:15	8.22	287.8	10.6	16.88	29.31	0
6/3/20 17:30	8.49	309.3	14.25	16.64	29.31	0
6/3/20 17:45	7.713	312	7.334	16.25	29.31	0
6/3/20 18:00	5.618	307.9	7.546	16.49	29.31	0
6/3/20 18:15	6.316	308.5	6.48	16.47	29.31	0
6/3/20 18:30	6.387	320.4	8.31	15.99	29.31	0
6/3/20 18:45	6.618	336.3	9.49	15.77	29.31	0
6/3/20 19:00	6.411	335.6	11.31	15.42	29.3	0
6/3/20 19:15	6.611	350.4	16.51	15.27	29.3	0
6/3/20 19:30	4.493	326.2	9.22	15.08	29.3	0
6/3/20 19:45	6.202	328.3	12	14.82	29.3	0
6/3/20 20:00	7.285	332.6	10.07	14.63	29.27	0
6/3/20 20:15	6.702	331.5	7.251	14.27	29.27	0
6/3/20 20:30	7.719	323.6	5.535	14.11	29.27	0
6/3/20 20:45	6.755	339.4	19.89	14.06	29.27	0
6/3/20 21:00	6.264	4.28	14.74	13.59	29.31	0
6/3/20 21:15	6.637	14.12	16.31	13.43	29.31	0
6/3/20 21:30	8.78	23.87	14	12.97	29.31	0
6/3/20 21:45	7.723	19.78	20.09	12.77	29.31	0
6/3/20 22:00	6.756	26.01	26.19	12.64	29.31	0
6/3/20 22:15	5.546	15.72	25.65	12.25	29.31	0
6/3/20 22:30	7.348	12.39	19.39	12.09	29.31	0
6/3/20 22:45	6.466	15.13	15.71	11.88	29.31	0
6/3/20 23:00	5.924	11	16.56	11.9	29.29	0
6/3/20 23:15	6.822	3.868	19.16	11.91	29.29	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/3/20 23:30	5.883	36.39	20.88	11.93	29.29	0
6/3/20 23:45	6.617	12.34	18.34	11.85	29.29	0
6/4/20 0:00	6.61	14.31	15.45	11.83	29.28	0
6/4/20 0:15	4.069	24.65	22.42	11.81	29.28	0
6/4/20 0:30	6.811	28.93	12.36	11.75	29.28	0
6/4/20 0:45	5.496	19.79	7.762	11.81	29.28	0
6/4/20 1:00	4.062	47.21	12.02	11.96	29.28	0
6/4/20 1:15	3.316	75.13	12.26	11.62	29.28	0
6/4/20 1:30	3.416	63.98	15.15	11.58	29.28	0
6/4/20 1:45	4.889	57.43	9.12	11.28	29.28	0
6/4/20 2:00	4.973	61.99	11.72	11.13	29.25	0
6/4/20 2:15	4.432	63.07	11.09	11.06	29.25	0
6/4/20 2:30	4.178	73.72	13.51	10.89	29.25	0
6/4/20 2:45	3.096	215.9	53.3	11.6	29.25	0
6/4/20 3:00	2.689	239.7	45.81	11.65	29.25	0
6/4/20 3:15	3.657	257.1	18.87	11.56	29.25	0
6/4/20 3:30	3.45	321.7	37.43	11.16	29.25	0
6/4/20 3:45	3.183	24.43	16.86	10.71	29.25	0
6/4/20 4:00	2.198	33.94	13.02	10.27	29.28	0
6/4/20 4:15	2.589	24.53	9.77	10.33	29.28	0
6/4/20 4:30	2.157	13.86	25.23	10.33	29.28	0
6/4/20 4:45	1.893	29.91	4.995	10.27	29.28	0
6/4/20 5:00	1.734	32.74	8.93	10.21	29.27	0
6/4/20 5:15	1.421	27.6	11.54	10.25	29.27	0
6/4/20 5:30	1.299	29.71	8.6	10.1	29.27	0
6/4/20 5:45	0.46	25.81	6.646	10.33	29.27	0
6/4/20 6:00	0.12	24.11	1.025	10.37	29.28	0
6/4/20 6:15	1.842	53.78	18.16	10.37	29.28	0
6/4/20 6:30	1.627	96.4	19.33	10.41	29.28	0
6/4/20 6:45	2.185	148.4	19.52	10.89	29.28	0
6/4/20 7:00	2.184	122.6	48.63	11.1	29.3	0
6/4/20 7:15	3.349	182.7	19.12	11.76	29.3	0
6/4/20 7:30	3.847	209.2	6.187	11.65	29.3	0
6/4/20 7:45	5.367	223.7	7.137	11.66	29.3	0
6/4/20 8:00	3.451	234.7	42.59	12.28	29.29	0
6/4/20 8:15	2.701	320.9	32.11	12.54	29.29	0
6/4/20 8:30	2.946	0.018	26.1	12.86	29.29	0
6/4/20 8:45	2.871	13.44	27.63	13.23	29.29	0
6/4/20 9:00	4.085	40.34	17.51	13.49	29.3	0
6/4/20 9:15	3.568	20.63	39.21	13.65	29.3	0
6/4/20 9:30	1.748	22.35	70.51	13.69	29.3	0
6/4/20 9:45	0.827	122.2	58.57	14.01	29.3	0
6/4/20 10:00	1.61	333.1	24.76	14.27	29.3	0
6/4/20 10:15	1.474	326.4	49.49	14.24	29.3	0
6/4/20 10:30	1.697	191.7	60.92	14.54	29.3	0
6/4/20 10:45	2.106	174.1	27.76	14.96	29.3	0
6/4/20 11:00	1.857	25.69	19.23	15.1	29.3	0
6/4/20 11:15	3.215	10	39.19	15.33	29.3	0
6/4/20 11:30	3.202	21.36	32.7	16	29.3	0
6/4/20 11:45	3.638	22.52	23.18	15.93	29.3	0
6/4/20 12:00	3.728	316.9	46.52	16.15	29.29	0
6/4/20 12:15	3.037	337.9	40.47	16.35	29.29	0
6/4/20 12:30	5.59	6.866	21.77	16.55	29.29	0
6/4/20 12:45	4.37	348.7	24.05	16.47	29.29	0
6/4/20 13:00	3.493	283.9	42.94	16.51	29.26	0
6/4/20 13:15	3.717	302.9	40.34	16.8	29.26	0
6/4/20 13:30	2.801	271.5	48.65	17.34	29.26	0
6/4/20 13:45	2.145	209.2	43.41	17.09	29.26	0
6/4/20 14:00	4.898	319.9	50.16	17.88	29.24	0
6/4/20 14:15	4.613	321.5	23.97	17.1	29.24	0
6/4/20 14:30	5.033	329.5	29.36	17.43	29.24	0
6/4/20 14:45	7.225	316	11.11	17.04	29.24	0
6/4/20 15:00	3.702	0.22	41.17	17.67	29.23	0
6/4/20 15:15	6.18	324	40.89	18.4	29.23	0
6/4/20 15:30	6.109	352.8	35.94	17.82	29.23	0
6/4/20 15:45	6.106	9.9	25.2	17.91	29.23	0
6/4/20 16:00	5.908	11.94	25.83	17.86	29.21	0
6/4/20 16:15	6.852	351.5	22.83	18.58	29.21	0
6/4/20 16:30	6.824	344.7	30.43	18.53	29.21	0
6/4/20 16:45	6.52	18.56	19.59	18.35	29.21	0
6/4/20 17:00	4.007	13.86	20.05	18.28	29.18	0
6/4/20 17:15	4.556	340.4	27.19	18.54	29.18	0
6/4/20 17:30	6.905	19.55	14.06	17.83	29.18	0
6/4/20 17:45	8.11	23.78	10.42	17.49	29.18	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/4/20 18:00	6.727	15.97	9.35	17.12	29.16	0
6/4/20 18:15	7.226	11.03	12.83	17.22	29.16	0
6/4/20 18:30	7.893	15.27	11.75	16.8	29.16	0
6/4/20 18:45	7.817	4.215	10	16.9	29.16	0
6/4/20 19:00	8.9	10.97	7.889	16.66	29.15	0
6/4/20 19:15	8.31	14.37	8.83	16.21	29.15	0
6/4/20 19:30	6.958	6.631	12.29	16.1	29.15	0
6/4/20 19:45	6.849	352.6	10.74	15.89	29.15	0
6/4/20 20:00	7.095	358.7	14.41	15.59	29.11	0
6/4/20 20:15	6.989	2.925	14.54	15.36	29.11	0
6/4/20 20:30	7.471	0.259	15.17	15.29	29.11	0
6/4/20 20:45	7.32	1.839	15.07	14.93	29.11	0
6/4/20 21:00	6.062	335.8	25.22	14.75	29.13	0
6/4/20 21:15	4.909	332.9	24.76	14.4	29.13	0
6/4/20 21:30	7.423	348.7	23.71	14.09	29.13	0
6/4/20 21:45	9.87	358.9	17.76	13.82	29.13	0
6/4/20 22:00	9.73	358.9	18.22	13.42	29.12	0
6/4/20 22:15	9.84	9.89	18.69	12.83	29.12	0
6/4/20 22:30	8.71	15.29	14.22	12.64	29.12	0
6/4/20 22:45	8.95	9.04	19.63	12.33	29.12	0
6/4/20 23:00	9.3	9.72	15.6	11.9	29.09	0
6/4/20 23:15	11.53	0.641	17.29	11.66	29.09	0
6/4/20 23:30	10.31	5.221	17.68	11.51	29.09	0
6/4/20 23:45	11.11	357.8	18.54	11.56	29.09	0
6/5/20 0:00	9.12	4.813	17.85	11.54	29.08	0
6/5/20 0:15	7.218	33.37	21.73	11.1	29.08	0
6/5/20 0:30	9.37	20.31	19.23	10.83	29.08	0
6/5/20 0:45	9.66	24.91	9.41	10.85	29.08	0
6/5/20 1:00	10.16	22.24	14.15	10.89	29.04	0
6/5/20 1:15	10.91	19.8	11.64	10.83	29.04	0
6/5/20 1:30	8.72	28.58	12.03	10.41	29.04	0
6/5/20 1:45	8.63	19.18	12.19	10.08	29.04	0
6/5/20 2:00	8.86	15.99	11.42	10.18	29.04	0
6/5/20 2:15	9.63	16.14	10.05	10.2	29.04	0
6/5/20 2:30	10.69	13.25	9.42	10.16	29.04	0
6/5/20 2:45	7.477	8.5	14.32	10.15	29.04	0
6/5/20 3:00	5.834	5.522	13.83	10.04	29.03	0
6/5/20 3:15	8.85	17.99	10.13	9.86	29.03	0
6/5/20 3:30	10.92	23.96	10.02	9.54	29.03	0
6/5/20 3:45	10.84	19.38	9.34	9.18	29.03	0
6/5/20 4:00	10.3	24.83	8.05	9.14	29	0
6/5/20 4:15	9.19	26.12	10.01	9	29	0
6/5/20 4:30	6.781	40.68	9.39	8.68	29	0
6/5/20 4:45	6.225	31.57	9.13	8.61	29	0
6/5/20 5:00	6.862	34.52	8	8.69	28.99	0
6/5/20 5:15	4.749	36.2	8.09	8.72	28.99	0
6/5/20 5:30	3.569	36.78	8.85	8.73	28.99	0
6/5/20 5:45	3.651	17.36	5.849	8.82	28.99	0
6/5/20 6:00	2.2	16.54	13.35	8.92	28.97	0
6/5/20 6:15	2.774	19.44	8.77	9.12	28.97	0
6/5/20 6:30	1.125	321	20.99	9.91	28.97	0
6/5/20 6:45	0.642	320.1	6.333	10.42	28.97	0
6/5/20 7:00	1.075	317.2	13.71	10.67	28.98	0
6/5/20 7:15	3.042	323	12.99	10.63	28.98	0
6/5/20 7:30	1.451	358.9	27.79	11.12	28.98	0
6/5/20 7:45	2.492	26.51	21.32	10.75	28.98	0
6/5/20 8:00	1.008	38.04	44.92	11.15	28.95	0
6/5/20 8:15	0.652	329.1	44.29	11.86	28.95	0
6/5/20 8:30	1.695	91.7	22.42	12.04	28.95	0
6/5/20 8:45	1.521	26.03	21.64	11.82	28.95	0
6/5/20 9:00	1.823	35.75	11.5	12.64	28.93	0
6/5/20 9:15	2.002	13.39	15.68	13	28.93	0
6/5/20 9:30	4.282	316.3	31.53	13.14	28.93	0
6/5/20 9:45	3.713	318.4	49	13.69	28.93	0
6/5/20 10:00	4.899	320	19.57	13.63	28.95	0
6/5/20 10:15	3.184	8.28	30.24	14.26	28.95	0
6/5/20 10:30	2.025	323.6	22.61	14.63	28.95	0
6/5/20 10:45	1.604	254.1	38.45	14.81	28.95	0
6/5/20 11:00	2.087	243.2	29.58	14.9	28.93	0
6/5/20 11:15	2.567	212.9	67.13	15.47	28.93	0
6/5/20 11:30	4.776	245.2	28.52	16.04	28.93	0
6/5/20 11:45	4.632	294.3	19.44	15.73	28.93	0
6/5/20 12:00	5.961	264.2	22.4	15.96	28.93	0
6/5/20 12:15	6.887	266.8	19.5	15.73	28.93	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/5/20 12:30	8.52	273.1	9.84	15.39	28.93	0
6/5/20 12:45	7.482	270.7	9.74	15.2	28.93	0
6/5/20 13:00	5.93	278.2	11	15.15	28.93	0
6/5/20 13:15	6.599	304.9	12.7	15.16	28.93	0
6/5/20 13:30	4.209	301	17.51	15.26	28.93	0
6/5/20 13:45	2.458	312.9	30.06	15.38	28.93	0
6/5/20 14:00	4.288	272.4	17.71	15.22	28.94	0
6/5/20 14:15	1.8	299.8	37.85	15.67	28.94	0
6/5/20 14:30	2.414	338	30.31	15.7	28.94	0
6/5/20 14:45	2.107	12.43	20.41	15.18	28.94	0
6/5/20 15:00	1.121	329.2	7.339	15.3	28.93	0
6/5/20 15:15	0.989	21.14	19.29	15.28	28.93	0
6/5/20 15:30	2.02	67.25	7.431	15.31	28.93	0
6/5/20 15:45	3.276	86.6	13.09	15.4	28.93	0
6/5/20 16:00	3.741	83.5	13.84	15.41	28.93	0
6/5/20 16:15	2.418	120.2	19.18	15.76	28.93	0
6/5/20 16:30	2.09	124.2	23.87	16.02	28.93	0
6/5/20 16:45	3.145	119.1	12.54	15.83	28.93	0
6/5/20 17:00	3.254	111.8	9.43	15.87	28.93	0
6/5/20 17:15	5.813	86.3	7.684	15.7	28.93	0
6/5/20 17:30	6.264	86.1	12.35	16.29	28.93	0
6/5/20 17:45	4.973	85.9	24.83	16.15	28.93	0
6/5/20 18:00	4.264	110.2	10.87	16.15	28.92	0
6/5/20 18:15	3.409	132.8	12.81	15.91	28.92	0
6/5/20 18:30	4.439	137.4	8.29	15.76	28.92	0
6/5/20 18:45	5.489	136.7	12.68	15.72	28.92	0
6/5/20 19:00	4.751	133	10.74	15.5	28.92	0
6/5/20 19:15	4.149	133.1	10.04	15.29	28.92	0
6/5/20 19:30	6.476	175	39.89	15.25	28.92	0
6/5/20 19:45	10.98	236.3	43.52	14.59	28.92	0.2
6/5/20 20:00	3.316	113.3	25.61	12.92	28.91	0.01
6/5/20 20:15	4.839	41.59	12.68	12.04	28.91	0
6/5/20 20:30	4.006	57.38	8.59	12.05	28.91	0
6/5/20 20:45	4.839	29.14	11.78	11.98	28.91	0
6/5/20 21:00	4.495	78.72	51.43	11.62	28.94	0
6/5/20 21:15	5.928	92	7.847	11.88	28.94	0
6/5/20 21:30	5.685	96	11.02	11.78	28.94	0
6/5/20 21:45	3.629	174.6	38.1	11.64	28.94	0
6/5/20 22:00	3.641	178.8	13.53	11.56	28.93	0
6/5/20 22:15	6.841	194.8	10.96	11.34	28.93	0
6/5/20 22:30	6.391	193.2	8.15	11.15	28.93	0
6/5/20 22:45	5.497	195.1	10.28	11.06	28.93	0
6/5/20 23:00	4.412	192.1	7.916	11.01	28.97	0
6/5/20 23:15	3.273	165	30.52	10.96	28.97	0
6/5/20 23:30	5.467	181.9	13.75	10.92	28.97	0
6/5/20 23:45	4.16	168.3	15.11	10.73	28.97	0
6/6/20 0:00	3.934	157.5	16.8	10.3	28.95	0
6/6/20 0:15	6.217	159.8	7.689	10.2	28.95	0
6/6/20 0:30	8.99	166.4	6.406	10.15	28.95	0
6/6/20 0:45	8.02	161	6.131	9.53	28.95	0
6/6/20 1:00	8.9	155	5.468	9.4	28.95	0
6/6/20 1:15	9.01	154.6	5.805	9.44	28.95	0
6/6/20 1:30	9.38	161.1	6.188	9.5	28.95	0
6/6/20 1:45	8.37	155.4	7.947	9.44	28.95	0
6/6/20 2:00	6.22	144.2	9.37	9.44	28.96	0
6/6/20 2:15	7.681	154.1	6.832	9.44	28.96	0
6/6/20 2:30	7.776	160.8	6.348	9.38	28.96	0
6/6/20 2:45	7.952	157.7	8.16	9.3	28.96	0
6/6/20 3:00	8.5	156.9	7.261	8.93	28.97	0
6/6/20 3:15	6.967	146.3	8.44	8.97	28.97	0
6/6/20 3:30	7.412	150.9	6.802	8.88	28.97	0
6/6/20 3:45	6.756	142.3	6.544	8.83	28.97	0
6/6/20 4:00	6.559	139.7	6.518	8.76	28.97	0
6/6/20 4:15	6.757	146	6.555	8.99	28.97	0
6/6/20 4:30	6.657	148.4	6.835	9.05	28.97	0
6/6/20 4:45	7.605	158	7.473	8.99	28.97	0
6/6/20 5:00	8.7	161.2	4.55	9.11	28.97	0
6/6/20 5:15	8.5	159.6	6.922	9.43	28.97	0
6/6/20 5:30	8.75	163.1	5.658	9.7	28.97	0
6/6/20 5:45	7.935	167.4	5.8	10	28.97	0
6/6/20 6:00	6.876	159.7	6.93	9.97	28.98	0
6/6/20 6:15	5.139	157	10	10.06	28.98	0
6/6/20 6:30	4.255	167.9	19.31	10.33	28.98	0
6/6/20 6:45	3.592	175.6	20.3	10.4	28.98	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/6/20 7:00	4.5	192.5	10.76	10.36	29	0
6/6/20 7:15	1.854	151	20.64	10.29	29	0
6/6/20 7:30	1.754	130.6	11.52	10.42	29	0
6/6/20 7:45	3.063	174	31.14	10.69	29	0
6/6/20 8:00	5.506	183.9	21.77	10.63	29.01	0
6/6/20 8:15	4.45	146.5	9.49	10.77	29.01	0
6/6/20 8:30	4.616	151.4	10.13	11.07	29.01	0
6/6/20 8:45	4.524	145.4	12.35	12.1	29.01	0
6/6/20 9:00	5.584	148.4	19.72	12.74	28.97	0
6/6/20 9:15	6.299	163.2	25.54	12.89	28.97	0
6/6/20 9:30	5.305	186.8	23.95	12.91	28.97	0
6/6/20 9:45	7.201	174.1	13.98	13.86	28.97	0
6/6/20 10:00	5.77	197.7	17.55	13.21	28.99	0
6/6/20 10:15	5.98	246.5	33.69	12.42	28.99	0
6/6/20 10:30	8.28	171.8	15.46	11.93	28.99	0
6/6/20 10:45	6.21	135.4	22.15	11.96	28.99	0
6/6/20 11:00	6.896	105.8	17.95	13.02	28.99	0
6/6/20 11:15	6.093	113.7	20.83	13.66	28.99	0
6/6/20 11:30	7.179	134.3	15.06	13.67	28.99	0
6/6/20 11:45	5.297	136	13.04	12.95	28.99	0
6/6/20 12:00	6.307	142.8	14.02	14.48	28.95	0
6/6/20 12:15	5.632	116.9	28.04	14.13	28.95	0
6/6/20 12:30	4.654	335	49.79	13	28.95	0.04
6/6/20 12:45	1.573	23.88	36.03	14.07	28.95	0
6/6/20 13:00	2.796	7.864	22.02	14.17	28.97	0
6/6/20 13:15	15.12	246.3	12.82	13.29	28.97	0.09
6/6/20 13:30	11.86	260	12.29	11.48	28.97	0.03
6/6/20 13:45	7.586	261.3	10.64	11.74	28.97	0
6/6/20 14:00	3.159	131.8	91.7	11.74	28.98	0
6/6/20 14:15	4.044	91.6	21.45	12	28.98	0
6/6/20 14:30	4.796	135.6	17.25	12.25	28.98	0
6/6/20 14:45	6.992	111.2	12.84	12.96	28.98	0
6/6/20 15:00	5.54	104.1	19.97	12.96	28.98	0
6/6/20 15:15	5.017	113.9	18.21	12.64	28.98	0
6/6/20 15:30	7.169	114.5	16.88	12.96	28.98	0
6/6/20 15:45	13.42	150	12.1	12.68	28.98	0
6/6/20 16:00	10.38	149.6	11.41	11.62	29.01	0.01
6/6/20 16:15	8.15	123.8	14.38	10.78	29.01	0.04
6/6/20 16:30	7.31	112.4	10.32	10.64	29.01	0
6/6/20 16:45	8.17	104.9	11	11.03	29.01	0
6/6/20 17:00	4.457	123	14.83	11.14	28.99	0
6/6/20 17:15	2.961	220.3	37.36	11.79	28.99	0
6/6/20 17:30	1.853	125.3	90.7	12.65	28.99	0.01
6/6/20 17:45	2.424	86	31.86	13.09	28.99	0
6/6/20 18:00	5.161	226.9	34.67	13.06	29	0
6/6/20 18:15	7.209	226.4	12.04	12.81	29	0
6/6/20 18:30	8.2	239.2	14.11	13.14	29	0
6/6/20 18:45	8.41	261.3	10.9	12.9	29	0
6/6/20 19:00	6.065	229	10.2	12.69	29	0
6/6/20 19:15	7.363	215.4	10.47	12.25	29	0
6/6/20 19:30	8.67	220.4	16.29	11.88	29	0
6/6/20 19:45	8.01	245	8.8	11.76	29	0
6/6/20 20:00	6.502	243.2	8.66	11.54	29.03	0
6/6/20 20:15	6.511	229.4	10.29	11.45	29.03	0
6/6/20 20:30	8.53	215.8	5.881	11.15	29.03	0
6/6/20 20:45	7.362	199.5	8.76	10.92	29.03	0
6/6/20 21:00	6.147	187.5	10.77	10.53	29.04	0
6/6/20 21:15	5.278	162.8	12.33	9.92	29.04	0
6/6/20 21:30	7.898	160.2	5.531	9.56	29.04	0
6/6/20 21:45	7.512	160.4	5.497	9.36	29.04	0
6/6/20 22:00	6.004	157.3	5.493	9.36	29.05	0
6/6/20 22:15	5.484	151.9	6.035	9.38	29.05	0
6/6/20 22:30	5.027	157.4	8.93	9.4	29.05	0
6/6/20 22:45	4.139	153.3	10.8	9.46	29.05	0
6/6/20 23:00	3.688	149.2	11.9	9.36	29.06	0
6/6/20 23:15	3.972	142	10.34	9.3	29.06	0
6/6/20 23:30	4.227	155.3	10.07	9.24	29.06	0
6/6/20 23:45	3.649	163.5	9.9	9.15	29.06	0
6/7/20 0:00	3.979	163.2	7.505	9.05	29.06	0
6/7/20 0:15	4.159	177.3	5.337	9	29.06	0
6/7/20 0:30	3.905	174.7	5.908	8.95	29.06	0
6/7/20 0:45	2.383	149.6	13.49	8.91	29.06	0
6/7/20 1:00	3.056	152.2	9.99	8.92	29.07	0
6/7/20 1:15	3.281	166.4	8.75	8.89	29.07	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/7/20 1:30	4.223	176.3	9.79	9.01	29.07	0.01
6/7/20 1:45	5.091	183.6	9.29	9.07	29.07	0
6/7/20 2:00	4.561	186.7	10.31	9.09	29.09	0
6/7/20 2:15	5.081	184.2	8.73	9.05	29.09	0
6/7/20 2:30	5.676	184.9	7.848	8.99	29.09	0
6/7/20 2:45	4.947	185.6	9.31	8.96	29.09	0
6/7/20 3:00	4.689	184.8	10.82	8.93	29.1	0
6/7/20 3:15	4.531	182.4	9.47	8.97	29.1	0
6/7/20 3:30	6.521	190.3	7.213	8.97	29.1	0
6/7/20 3:45	5.456	188	7.393	8.95	29.1	0
6/7/20 4:00	5.756	189.1	11.33	8.93	29.1	0
6/7/20 4:15	4.838	187.3	10.18	8.93	29.1	0
6/7/20 4:30	3.72	174.7	10.91	8.92	29.1	0
6/7/20 4:45	3.56	167.6	12.77	8.89	29.1	0
6/7/20 5:00	5.56	180.1	11.91	8.93	29.11	0
6/7/20 5:15	6.015	186.9	7.195	8.9	29.11	0
6/7/20 5:30	6.424	193.5	8.45	8.89	29.11	0
6/7/20 5:45	6.457	195.6	7.897	8.84	29.11	0
6/7/20 6:00	6.624	200.2	5.6	8.83	29.12	0
6/7/20 6:15	6.559	196.9	9.73	8.79	29.12	0
6/7/20 6:30	6.862	205.7	8.87	8.83	29.12	0.01
6/7/20 6:45	6.725	206.2	8.99	8.78	29.12	0
6/7/20 7:00	6.256	205.5	9.6	8.81	29.13	0
6/7/20 7:15	6.163	197.8	7.488	8.81	29.13	0.03
6/7/20 7:30	6.672	193.9	9.18	8.83	29.13	0.04
6/7/20 7:45	5.49	192.9	10.04	8.8	29.13	0.03
6/7/20 8:00	4.988	227.4	15.44	8.92	29.14	0.03
6/7/20 8:15	3.149	294.4	38.26	8.94	29.14	0.03
6/7/20 8:30	2.473	308.2	40.39	9.15	29.14	0.01
6/7/20 8:45	3.815	263.2	12.49	9.55	29.14	0.01
6/7/20 9:00	3.877	245.3	9.75	9.64	29.15	0
6/7/20 9:15	5.209	240.1	15.55	9.76	29.15	0
6/7/20 9:30	4.462	265.7	11.67	9.88	29.15	0
6/7/20 9:45	6.207	259.5	9.16	10.07	29.15	0
6/7/20 10:00	5.277	267.2	7.911	10.2	29.16	0
6/7/20 10:15	6.488	260.2	10.76	11.09	29.16	0
6/7/20 10:30	5.015	270.9	16.25	11.22	29.16	0
6/7/20 10:45	6.343	276.9	9.06	11.28	29.16	0
6/7/20 11:00	5.654	284.8	8.79	11.07	29.15	0.01
6/7/20 11:15	4.626	312.7	20.23	10.97	29.15	0.01
6/7/20 11:30	2.469	340.5	17.95	11.3	29.15	0.01
6/7/20 11:45	2.813	39	33.69	11.54	29.15	0
6/7/20 12:00	2.168	61.79	10.35	11.79	29.18	0
6/7/20 12:15	1.956	73.61	22.23	12.54	29.18	0
6/7/20 12:30	1.901	86.7	27.79	13.12	29.18	0
6/7/20 12:45	2.595	125.2	60.61	13.67	29.18	0
6/7/20 13:00	4.89	136.7	16.36	14.09	29.16	0
6/7/20 13:15	3.13	98	17.08	13.65	29.16	0
6/7/20 13:30	3.255	112.7	30.86	14.08	29.16	0
6/7/20 13:45	6.319	113.6	14.07	14.64	29.16	0
6/7/20 14:00	5.459	120.6	28.27	14.39	29.17	0
6/7/20 14:15	7.997	190.4	19.1	15.03	29.17	0
6/7/20 14:30	7.79	194.5	11.58	14.52	29.17	0
6/7/20 14:45	10.21	199.6	10.16	14.51	29.17	0
6/7/20 15:00	10.57	194.4	9.01	14.59	29.19	0
6/7/20 15:15	10.14	187.7	10.08	15.4	29.19	0
6/7/20 15:30	9.2	183.1	13.84	15.43	29.19	0
6/7/20 15:45	8.37	187.6	12.06	14.79	29.19	0
6/7/20 16:00	10.8	190.4	10.26	14.57	29.2	0
6/7/20 16:15	11.64	192.8	7.914	13.42	29.2	0
6/7/20 16:30	8.97	175.2	14.94	13.05	29.2	0
6/7/20 16:45	10.16	161.4	6.913	12.7	29.2	0
6/7/20 17:00	7.745	150.5	11.38	13.63	29.19	0
6/7/20 17:15	7.237	148.8	14.09	14.72	29.19	0
6/7/20 17:30	7.474	199.5	21.39	15.13	29.19	0
6/7/20 17:45	8.76	205.5	12.45	14.92	29.19	0
6/7/20 18:00	9.97	217.9	10.36	14.69	29.2	0
6/7/20 18:15	10.42	218.5	10.78	14.65	29.2	0
6/7/20 18:30	9.94	226.6	9.39	14.91	29.2	0
6/7/20 18:45	10.28	230.2	9.46	14.31	29.2	0
6/7/20 19:00	10.44	227.6	11.81	14.63	29.22	0
6/7/20 19:15	10.69	225.5	7.462	14.19	29.22	0
6/7/20 19:30	8.58	223.7	8.98	14	29.22	0
6/7/20 19:45	9.65	229.7	8.12	13.63	29.22	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/7/20 20:00	8.49	220.6	10.75	13.54	29.24	0
6/7/20 20:15	8.09	214	9.45	13.23	29.24	0
6/7/20 20:30	8.52	214.9	8.12	13.12	29.24	0
6/7/20 20:45	9.93	216.6	9.57	13.03	29.24	0
6/7/20 21:00	11.14	231.6	10.13	12.79	29.27	0
6/7/20 21:15	9.76	235.6	11.12	12.7	29.27	0
6/7/20 21:30	13.29	234.8	9.54	12.46	29.27	0
6/7/20 21:45	9.51	239.1	10.04	12.21	29.27	0
6/7/20 22:00	7.267	210.9	19.81	12.02	29.29	0
6/7/20 22:15	8.25	211.9	9.48	11.68	29.29	0
6/7/20 22:30	6.569	200.2	10.47	11.51	29.29	0
6/7/20 22:45	8.24	194.9	8.69	11.24	29.29	0
6/7/20 23:00	10.36	194.6	8.59	11.02	29.29	0
6/7/20 23:15	10.62	197.3	10.57	10.84	29.29	0
6/7/20 23:30	9.48	191	9.74	10.73	29.29	0
6/7/20 23:45	8.88	188.3	9.06	10.62	29.29	0
6/8/20 0:00	9.94	185.6	12.21	10.53	29.31	0
6/8/20 0:15	10.38	175.9	11.01	10.4	29.31	0
6/8/20 0:30	9.75	183.3	10.11	10.35	29.31	0
6/8/20 0:45	10.1	180.6	10.12	10.29	29.31	0
6/8/20 1:00	10.03	178.4	11.36	10.29	29.31	0
6/8/20 1:15	11.06	171.2	9	10.28	29.31	0
6/8/20 1:30	10.69	167.6	8.89	10.16	29.31	0
6/8/20 1:45	10.08	172.6	10.64	10.18	29.31	0
6/8/20 2:00	10.36	180.7	10.88	10.2	29.33	0
6/8/20 2:15	10.41	188	8.53	10.16	29.33	0
6/8/20 2:30	9.12	186.3	10.28	9.92	29.33	0
6/8/20 2:45	6.525	159.9	14.8	9.76	29.33	0.01
6/8/20 3:00	7.405	181.8	12.88	9.86	29.35	0
6/8/20 3:15	9.2	185.5	10.53	9.99	29.35	0
6/8/20 3:30	8.3	181.6	12.19	9.98	29.35	0
6/8/20 3:45	9.92	184.7	8.57	10	29.35	0
6/8/20 4:00	8.99	190.4	8.45	9.98	29.35	0
6/8/20 4:15	10.8	188.6	9.8	10.04	29.35	0
6/8/20 4:30	10.89	186	8.18	10.04	29.35	0
6/8/20 4:45	10.52	183.4	9.6	10.08	29.35	0
6/8/20 5:00	10.14	184.8	10.56	10.02	29.34	0
6/8/20 5:15	9.23	188.6	11.03	10.02	29.34	0
6/8/20 5:30	8.97	195.3	13.14	10.04	29.34	0
6/8/20 5:45	10.39	189.3	8.75	10.12	29.34	0
6/8/20 6:00	10.11	193.4	10	10.2	29.35	0
6/8/20 6:15	9.74	184.2	9.3	10.33	29.35	0
6/8/20 6:30	9.57	184.2	9.75	10.39	29.35	0
6/8/20 6:45	9.61	188.4	9.59	10.53	29.35	0
6/8/20 7:00	10.74	187.7	10.12	10.59	29.38	0
6/8/20 7:15	10.43	187.3	10.61	10.69	29.38	0
6/8/20 7:30	10.18	187.2	11.14	10.9	29.38	0
6/8/20 7:45	9.52	181.2	12.83	11.22	29.38	0
6/8/20 8:00	10.51	181.8	8.99	11.16	29.37	0
6/8/20 8:15	10.91	171.9	13.94	11.72	29.37	0
6/8/20 8:30	10.37	177.4	10.72	12.4	29.37	0
6/8/20 8:45	12.02	178.9	17.65	12.58	29.37	0
6/8/20 9:00	11.85	209.2	8.69	11.67	29.39	0
6/8/20 9:15	11.24	206.5	10.49	12.08	29.39	0
6/8/20 9:30	9.71	206.8	9.31	12.58	29.39	0
6/8/20 9:45	8.54	208.4	14.56	12.57	29.39	0
6/8/20 10:00	10.15	215.3	10.86	12.52	29.4	0
6/8/20 10:15	10.36	199.1	11.1	13.16	29.4	0
6/8/20 10:30	13.37	213.4	17.47	13.52	29.4	0
6/8/20 10:45	10.8	205.4	19.13	13.91	29.4	0
6/8/20 11:00	11.12	239.5	13.92	13.48	29.4	0
6/8/20 11:15	10.72	222.5	12.7	13.9	29.4	0
6/8/20 11:30	12.69	229.4	8.71	13.91	29.4	0
6/8/20 11:45	10.23	236.1	12.85	14.31	29.4	0
6/8/20 12:00	12.36	230.5	13.71	15.4	29.37	0
6/8/20 12:15	13.82	229.1	8.22	14.99	29.37	0
6/8/20 12:30	12.27	230.1	15.78	15.68	29.37	0
6/8/20 12:45	12.35	227.8	20.27	16.14	29.37	0
6/8/20 13:00	12.96	244.8	15.54	15.68	29.37	0
6/8/20 13:15	12.33	249.1	15.84	15.57	29.37	0
6/8/20 13:30	13.11	266.9	11.82	15.77	29.37	0
6/8/20 13:45	11.41	238.2	19.59	16.07	29.37	0
6/8/20 14:00	10.63	242.3	17.97	15.63	29.37	0
6/8/20 14:15	12.46	249.5	13.95	14.94	29.37	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/8/20 14:30	11.58	250.7	12.79	15.15	29.37	0
6/8/20 14:45	11.38	237.9	17	15.12	29.37	0
6/8/20 15:00	12.44	246.3	15.04	15.79	29.38	0
6/8/20 15:15	12.31	230.8	17.3	15.51	29.38	0
6/8/20 15:30	13.46	254.8	17.92	15.94	29.38	0
6/8/20 15:45	14.73	249.2	10.26	15.9	29.38	0
6/8/20 16:00	13.57	261.9	11.47	15.45	29.37	0
6/8/20 16:15	13.34	238.7	12.77	15.61	29.37	0
6/8/20 16:30	13.05	250.5	14.56	15.33	29.37	0
6/8/20 16:45	13.55	243.3	11.83	15.03	29.37	0
6/8/20 17:00	10.85	249.7	13.68	15.4	29.37	0
6/8/20 17:15	8.89	249.9	11.93	15.19	29.37	0
6/8/20 17:30	7.448	244.6	15.77	15.6	29.37	0
6/8/20 17:45	9.37	254.9	13.65	15.38	29.37	0
6/8/20 18:00	9.68	258.5	10.77	15.25	29.35	0
6/8/20 18:15	12.67	257.4	10.94	15.14	29.35	0
6/8/20 18:30	16.51	258.9	9.21	14.37	29.35	0
6/8/20 18:45	16.03	248	7.673	13.17	29.35	0
6/8/20 19:00	11.84	242.2	7.962	12.88	29.37	0
6/8/20 19:15	9.87	228.3	13.02	12.82	29.37	0
6/8/20 19:30	9.05	217.2	9.53	12.73	29.37	0
6/8/20 19:45	8.56	202.1	8.78	12.58	29.37	0
6/8/20 20:00	7.958	212.3	8.98	12.48	29.38	0
6/8/20 20:15	6.03	190.6	12.23	12.38	29.38	0
6/8/20 20:30	6.025	197.3	7.982	12.17	29.38	0
6/8/20 20:45	6.212	195.6	5.707	12.05	29.38	0
6/8/20 21:00	6.475	190	6.297	11.91	29.38	0
6/8/20 21:15	6.612	164.2	13.74	11.86	29.38	0
6/8/20 21:30	5.863	147.9	7.209	11.42	29.38	0
6/8/20 21:45	5.344	146.5	6.99	11.14	29.38	0
6/8/20 22:00	6.06	146.9	7.373	11.03	29.35	0
6/8/20 22:15	4.631	133.7	6.604	10.93	29.35	0
6/8/20 22:30	5.331	134.1	6.826	10.75	29.35	0
6/8/20 22:45	5.879	139.9	6.591	10.85	29.35	0
6/8/20 23:00	5.355	141.9	8.74	10.9	29.35	0
6/8/20 23:15	5.777	145.4	7.276	10.81	29.35	0
6/8/20 23:30	5.504	167.5	10.05	10.63	29.35	0
6/8/20 23:45	4.081	187.4	19.24	10.45	29.35	0
6/9/20 0:00	3.881	121	11.03	10.12	29.34	0.01
6/9/20 0:15	5.447	133.7	8.92	9.98	29.34	0
6/9/20 0:30	5.191	118.3	7.15	9.9	29.34	0.01
6/9/20 0:45	4.808	118.9	7.88	9.76	29.34	0
6/9/20 1:00	5.288	123.7	11.24	9.78	29.32	0
6/9/20 1:15	4.279	125.7	12.6	9.82	29.32	0.01
6/9/20 1:30	3.627	153.6	21.9	9.8	29.32	0
6/9/20 1:45	5.075	158.9	15.86	9.67	29.32	0
6/9/20 2:00	5.148	143.4	13.74	9.73	29.31	0.01
6/9/20 2:15	5.982	123.4	7.302	9.67	29.31	0
6/9/20 2:30	5.393	122.2	7.561	9.43	29.31	0.01
6/9/20 2:45	5.647	113.9	8.44	9.45	29.31	0
6/9/20 3:00	5.331	121	9.15	9.63	29.28	0
6/9/20 3:15	4.017	131.2	14.31	9.72	29.28	0.01
6/9/20 3:30	2.492	101.5	12.04	9.6	29.28	0
6/9/20 3:45	4.106	112.7	18.43	9.8	29.28	0
6/9/20 4:00	3.76	138.2	21.04	9.75	29.26	0
6/9/20 4:15	4.644	140	10.93	9.71	29.26	0
6/9/20 4:30	5.874	134.7	10.7	9.55	29.26	0.01
6/9/20 4:45	6.296	128.6	9.75	9.47	29.26	0
6/9/20 5:00	7.703	132.4	10.06	9.62	29.24	0.01
6/9/20 5:15	8.74	136.4	10.21	9.8	29.24	0.01
6/9/20 5:30	8.32	140.4	10.44	9.77	29.24	0.01
6/9/20 5:45	10.3	140.1	9.93	9.98	29.24	0.01
6/9/20 6:00	10.88	137.5	9.22	9.92	29.24	0.01
6/9/20 6:15	11.7	137.7	9.34	10.05	29.24	0.01
6/9/20 6:30	11.38	137.3	9.27	10.11	29.24	0.01
6/9/20 6:45	9.15	136	10.09	10.19	29.24	0.01
6/9/20 7:00	9.81	139.9	9.77	10.37	29.23	0
6/9/20 7:15	9.55	138.6	9.6	10.57	29.23	0
6/9/20 7:30	9.01	141.1	9.09	10.64	29.23	0
6/9/20 7:45	8.43	129.8	10.46	10.64	29.23	0.02
6/9/20 8:00	6.49	123.3	9.58	10.57	29.24	0.01
6/9/20 8:15	8.37	123.3	9.68	10.69	29.24	0
6/9/20 8:30	8.5	125.6	11.05	10.85	29.24	0.01
6/9/20 8:45	8.57	129.6	10.21	11.22	29.24	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/9/20 9:00	9.04	129.3	9.88	11.45	29.25	0
6/9/20 9:15	9.01	130.1	10.62	11.87	29.25	0
6/9/20 9:30	7.984	132.5	11.29	12.24	29.25	0.01
6/9/20 9:45	7.934	144	12.51	12.49	29.25	0
6/9/20 10:00	7.336	160.9	16.93	12.72	29.23	0
6/9/20 10:15	9.44	139.2	11.53	12.71	29.23	0.01
6/9/20 10:30	9.04	128.2	10.7	12.65	29.23	0
6/9/20 10:45	7.365	128.3	12.2	12.67	29.23	0.01
6/9/20 11:00	7.619	150.1	12.08	13.22	29.24	0
6/9/20 11:15	7.706	141.7	11.43	13.44	29.24	0
6/9/20 11:30	8.38	136.3	9.87	13.54	29.24	0
6/9/20 11:45	7.991	142.8	10.02	13.39	29.24	0.02
6/9/20 12:00	8.83	138.5	11.72	13.11	29.25	0.02
6/9/20 12:15	7.719	143.6	9.68	13.14	29.25	0.01
6/9/20 12:30	6.251	147.7	12.59	13.49	29.25	0.01
6/9/20 12:45	6.316	167	23.77	13.57	29.25	0.02
6/9/20 13:00	6.427	156.5	18.1	13.75	29.26	0.01
6/9/20 13:15	6.729	142.7	14.23	14.01	29.26	0.01
6/9/20 13:30	7.577	142.3	11.93	14.08	29.26	0
6/9/20 13:45	8.61	141.6	10.18	14.58	29.26	0
6/9/20 14:00	7.646	145.3	9.91	15.18	29.27	0
6/9/20 14:15	6.978	149.9	10.86	15.26	29.27	0
6/9/20 14:30	7.035	155.9	8.02	15.39	29.27	0
6/9/20 14:45	7.318	168.6	12.97	15.38	29.27	0
6/9/20 15:00	5.656	145.2	19.44	15.53	29.28	0
6/9/20 15:15	4.006	130.3	13.86	15.56	29.28	0
6/9/20 15:30	4.166	119.9	11.1	15.41	29.28	0
6/9/20 15:45	4.495	146.2	9.23	15.17	29.28	0.01
6/9/20 16:00	4.602	142.1	9.36	15.12	29.3	0
6/9/20 16:15	3.053	142.9	11.1	15.51	29.3	0
6/9/20 16:30	2.677	148.7	13.84	15.58	29.3	0.01
6/9/20 16:45	3.603	166.6	17.2	15.6	29.3	0
6/9/20 17:00	3.878	181.2	13.27	15.36	29.29	0.01
6/9/20 17:15	5.71	170.8	15.87	15.35	29.29	0.01
6/9/20 17:30	7.157	156.7	8.17	15.14	29.29	0
6/9/20 17:45	4.954	140.8	14.22	15.25	29.29	0.01
6/9/20 18:00	4.732	152.2	8.96	15.07	29.32	0
6/9/20 18:15	5.38	150.7	7.669	14.84	29.32	0.01
6/9/20 18:30	4.676	149.5	6.607	14.59	29.32	0.01
6/9/20 18:45	6.312	174.5	14.61	14.6	29.32	0.01
6/9/20 19:00	5.877	204	15.2	14.56	29.32	0
6/9/20 19:15	6.805	219.1	10.21	14.56	29.32	0.02
6/9/20 19:30	5.48	203.5	14.53	14.47	29.32	0
6/9/20 19:45	5.331	217.3	20.71	14.45	29.32	0.01
6/9/20 20:00	7.417	262.6	18.75	14.39	29.32	0
6/9/20 20:15	7.809	272.4	9.02	13.48	29.32	0
6/9/20 20:30	8.08	265.6	10.2	13.33	29.32	0.01
6/9/20 20:45	4.769	274.8	11.41	13.31	29.32	0
6/9/20 21:00	3.78	262.4	17	13.39	29.35	0.01
6/9/20 21:15	1.04	301.4	15.3	13.52	29.35	0
6/9/20 21:30	1.928	266	19.34	13.63	29.35	0
6/9/20 21:45	1.993	238.4	21.02	13.58	29.35	0
6/9/20 22:00	1.036	196.5	36.27	13.48	29.35	0
6/9/20 22:15	1.453	209.3	29.53	13.54	29.35	0
6/9/20 22:30	0.322	0.264	7.912	13.56	29.35	0
6/9/20 22:45	0.134	2.841	0.647	13.52	29.35	0
6/9/20 23:00	1.22	354	22.74	13.27	29.36	0
6/9/20 23:15	1.302	309.6	15.57	13.25	29.36	0
6/9/20 23:30	0.229	326	1.009	13.16	29.36	0.01
6/9/20 23:45	0.121	33.29	0.039	13.1	29.36	0
6/10/20 0:00	0.045	33.38	0	12.89	29.36	0
6/10/20 0:15	1.743	82	8.39	13	29.36	0
6/10/20 0:30	1.648	79.22	2.084	13.03	29.36	0
6/10/20 0:45	1.089	86.9	14.61	13.12	29.36	0
6/10/20 1:00	0.264	73.83	4.016	13.09	29.34	0
6/10/20 1:15	1.92	97.6	12.33	13.03	29.34	0
6/10/20 1:30	0.328	75.93	0.799	12.86	29.34	0
6/10/20 1:45	0.689	73.21	1.685	12.88	29.34	0
6/10/20 2:00	2.055	50.99	12.55	12.82	29.33	0
6/10/20 2:15	3.021	33.25	4.425	12.58	29.33	0
6/10/20 2:30	2.861	21.56	9.11	12.48	29.33	0
6/10/20 2:45	1.487	337.2	53.48	12.73	29.33	0
6/10/20 3:00	2.999	275.8	24.71	12.78	29.33	0
6/10/20 3:15	1.602	55.8	2.848	12.48	29.33	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/10/20 3:30	1.705	65	6.033	12.25	29.33	0
6/10/20 3:45	2.402	53.23	5.018	12.24	29.33	0
6/10/20 4:00	1.55	56.87	7.697	12.25	29.33	0
6/10/20 4:15	1.173	63.98	0.659	12.25	29.33	0
6/10/20 4:30	1.039	220.9	20.86	12.39	29.33	0
6/10/20 4:45	2.395	219.8	3.525	12.5	29.33	0
6/10/20 5:00	1.312	185.1	77.17	12.52	29.31	0
6/10/20 5:15	1.717	53.23	4.776	12.25	29.31	0
6/10/20 5:30	2.644	32.61	6.805	12.23	29.31	0
6/10/20 5:45	2.36	17.08	16.4	12.5	29.31	0
6/10/20 6:00	1.777	8.45	8.04	12.79	29.29	0
6/10/20 6:15	0.988	179.9	29.16	13.21	29.29	0
6/10/20 6:30	4.733	184.9	11.55	13.14	29.29	0
6/10/20 6:45	1.718	156.5	29.29	13.6	29.29	0.01
6/10/20 7:00	1.175	327.3	11.93	14.2	29.29	0
6/10/20 7:15	3.802	312.6	16.96	14.22	29.29	0
6/10/20 7:30	3.078	303.5	17.09	14.3	29.29	0
6/10/20 7:45	1.519	303.2	54.25	14.64	29.29	0
6/10/20 8:00	2.02	86	27.66	15.07	29.3	0
6/10/20 8:15	2.014	96.8	35.55	16.35	29.3	0
6/10/20 8:30	3.684	67	22.47	16.63	29.3	0
6/10/20 8:45	2.677	77.14	13.85	16.69	29.3	0
6/10/20 9:00	2.345	41.43	7.701	16.6	29.27	0
6/10/20 9:15	3.285	32.47	10.46	17.53	29.27	0
6/10/20 9:30	1.325	194.5	67.92	17.83	29.27	0
6/10/20 9:45	1.839	93.4	56.84	18.8	29.27	0
6/10/20 10:00	2.239	281.2	41.16	19.3	29.28	0
6/10/20 10:15	3.068	306	20.7	19.37	29.28	0
6/10/20 10:30	2.591	246.2	32.73	19.81	29.28	0
6/10/20 10:45	5.454	214.3	30.43	19.93	29.28	0
6/10/20 11:00	5.006	200.4	38.5	19.69	29.25	0
6/10/20 11:15	4.412	256.5	26.6	20.57	29.25	0
6/10/20 11:30	4.967	275.7	17.7	20.61	29.25	0
6/10/20 11:45	5.527	273	24.01	21.03	29.25	0
6/10/20 12:00	5.371	244.7	31.97	21.23	29.26	0
6/10/20 12:15	4.744	299.1	30.95	21.67	29.26	0
6/10/20 12:30	7.298	282.8	15.53	21.94	29.26	0
6/10/20 12:45	6.614	298	18.03	21.5	29.26	0
6/10/20 13:00	8.97	277.8	9.13	21.54	29.25	0
6/10/20 13:15	10.87	281.7	12.62	21.46	29.25	0
6/10/20 13:30	10.19	288	8.48	21.28	29.25	0
6/10/20 13:45	4.614	293.7	20.43	21.57	29.25	0
6/10/20 14:00	4.41	263.5	19.94	21.76	29.25	0
6/10/20 14:15	4.617	240.6	46.61	21.93	29.25	0
6/10/20 14:30	4.779	232.8	48.18	22.26	29.25	0
6/10/20 14:45	12.33	288	11.07	21.98	29.25	0
6/10/20 15:00	11.95	293.4	15.58	21.28	29.25	0
6/10/20 15:15	10.24	283.2	12.9	21.14	29.25	0
6/10/20 15:30	10.41	286.4	11.7	21.19	29.25	0
6/10/20 15:45	10.23	285.8	9.79	20.8	29.25	0
6/10/20 16:00	9.43	276.1	12.44	20.88	29.26	0
6/10/20 16:15	10.02	266.8	13.02	20.46	29.26	0
6/10/20 16:30	8.94	258.2	16.24	20.68	29.26	0
6/10/20 16:45	6.849	282.3	9.77	20.42	29.26	0
6/10/20 17:00	5.635	278.9	12.3	19.51	29.24	0
6/10/20 17:15	4.989	285.2	13.25	19.91	29.24	0
6/10/20 17:30	6.294	273	10.3	19.42	29.24	0
6/10/20 17:45	5.426	268.8	11.07	19.61	29.24	0
6/10/20 18:00	3.512	259.4	13.59	19.84	29.24	0
6/10/20 18:15	5.58	266.3	12.06	19.79	29.24	0
6/10/20 18:30	4.447	284.9	10.97	19.29	29.24	0
6/10/20 18:45	2.514	318.5	32.33	19.28	29.24	0
6/10/20 19:00	1.374	333.7	13.59	18.94	29.23	0
6/10/20 19:15	3.193	294.6	7.93	18.89	29.23	0
6/10/20 19:30	5.545	284.4	5.424	18.09	29.23	0
6/10/20 19:45	4.611	311.5	8.99	17.86	29.23	0
6/10/20 20:00	5.949	299.1	10.27	17.41	29.25	0
6/10/20 20:15	6.858	300.2	4.819	17.28	29.25	0
6/10/20 20:30	6.985	300	4.17	17.03	29.25	0
6/10/20 20:45	5.311	315.9	10.2	16.7	29.25	0
6/10/20 21:00	5.261	301.4	11.22	16.61	29.26	0
6/10/20 21:15	7.132	298.9	6.326	16.63	29.26	0
6/10/20 21:30	5.1	320	22.21	16.49	29.26	0
6/10/20 21:45	1.926	319.3	16.05	16	29.26	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/10/20 22:00	2.926	297.5	7.819	16.3	29.27	0
6/10/20 22:15	1.95	261.6	41.69	16.14	29.27	0
6/10/20 22:30	1.938	198.7	9.55	15.93	29.27	0
6/10/20 22:45	2.727	200.2	7.741	15.97	29.27	0
6/10/20 23:00	3.426	207.7	11.58	15.95	29.25	0
6/10/20 23:15	2.347	232	16.46	15.86	29.25	0
6/10/20 23:30	2.257	185.6	16.47	15.66	29.25	0
6/10/20 23:45	2.852	200	22.19	15.6	29.25	0
6/11/20 0:00	4.557	213.2	3.469	15.43	29.27	0
6/11/20 0:15	4.308	204.8	9.22	15.19	29.27	0
6/11/20 0:30	3.19	213.9	7.436	15.16	29.27	0
6/11/20 0:45	4.412	213.3	9.54	15.04	29.27	0
6/11/20 1:00	5.005	226.5	5.441	15.08	29.26	0
6/11/20 1:15	4.14	216.7	8.8	15.06	29.26	0
6/11/20 1:30	4.986	202.9	8.16	14.93	29.26	0
6/11/20 1:45	4.803	202.5	3.953	14.8	29.26	0
6/11/20 2:00	3.377	207.3	5.119	14.79	29.26	0
6/11/20 2:15	3.42	227.2	8.26	14.86	29.26	0
6/11/20 2:30	3.599	236.5	6.425	14.84	29.26	0
6/11/20 2:45	2.734	224.7	5.998	14.81	29.26	0
6/11/20 3:00	1.973	238.2	19.13	14.66	29.25	0
6/11/20 3:15	2.448	284.2	45.73	14.55	29.25	0
6/11/20 3:30	3.975	270.2	6.095	14.29	29.25	0
6/11/20 3:45	4.986	271	10.83	14.17	29.25	0
6/11/20 4:00	4.808	230	11.12	14.2	29.26	0
6/11/20 4:15	4.334	223.4	5.291	14.13	29.26	0
6/11/20 4:30	3.675	229.8	6.262	14.05	29.26	0
6/11/20 4:45	4.674	217.5	14.84	14.05	29.26	0
6/11/20 5:00	3.864	208.9	17.57	13.86	29.26	0
6/11/20 5:15	3.387	214	12.24	13.87	29.26	0
6/11/20 5:30	2.105	197.5	11.78	13.79	29.26	0
6/11/20 5:45	1.769	162.1	24.04	13.79	29.26	0
6/11/20 6:00	3.719	190.8	9.31	13.8	29.25	0
6/11/20 6:15	2.659	214.8	10.46	13.88	29.25	0
6/11/20 6:30	3.227	254.9	7.379	13.92	29.25	0
6/11/20 6:45	3.324	217.8	21.33	13.86	29.25	0
6/11/20 7:00	4.683	197.9	9.9	13.69	29.26	0
6/11/20 7:15	3.346	213.2	22.62	13.79	29.26	0
6/11/20 7:30	2.856	191.7	34.04	13.86	29.26	0
6/11/20 7:45	3.121	151.3	15.51	13.86	29.26	0
6/11/20 8:00	3.93	179	22.23	13.83	29.27	0
6/11/20 8:15	3.166	185.9	25.88	13.84	29.27	0
6/11/20 8:30	3.7	173.9	18.04	13.88	29.27	0
6/11/20 8:45	3.819	177	23.29	14.15	29.27	0
6/11/20 9:00	4.04	201.6	21.87	14.01	29.29	0
6/11/20 9:15	4.237	143.1	14.75	13.99	29.29	0
6/11/20 9:30	4.005	115.6	18.13	13.9	29.29	0.01
6/11/20 9:45	2.277	103.8	24.55	13.71	29.29	0
6/11/20 10:00	2.647	117	8.28	13.77	29.26	0
6/11/20 10:15	1.738	106	20.92	13.79	29.26	0.01
6/11/20 10:30	2.132	153	30.43	13.85	29.26	0
6/11/20 10:45	2.489	176.7	25.45	13.89	29.26	0.01
6/11/20 11:00	2.988	146.6	21.47	13.88	29.26	0.01
6/11/20 11:15	1.307	107.9	11.64	13.88	29.26	0.03
6/11/20 11:30	1.461	64.86	12.85	13.92	29.26	0.02
6/11/20 11:45	2.353	90.7	19.76	14.25	29.26	0.01
6/11/20 12:00	2.591	74.7	17.34	14.2	29.26	0
6/11/20 12:15	1.231	58.68	50.13	14.56	29.26	0
6/11/20 12:30	2.226	302	7.531	15.04	29.26	0.01
6/11/20 12:45	1.868	20	30.3	16.14	29.26	0
6/11/20 13:00	3.228	359.9	22.46	16.39	29.25	0
6/11/20 13:15	4.741	312.9	24.01	17.34	29.25	0
6/11/20 13:30	5.593	314.2	11.6	17.49	29.25	0
6/11/20 13:45	4.905	310.8	14.58	17.68	29.25	0
6/11/20 14:00	4.196	314.5	21.78	18.06	29.28	0
6/11/20 14:15	4.597	352	37.98	18.13	29.28	0
6/11/20 14:30	4.149	268.9	30.39	18.42	29.28	0
6/11/20 14:45	5.75	273.9	18.03	18.61	29.28	0
6/11/20 15:00	5.044	286	21.54	18.86	29.27	0
6/11/20 15:15	1.653	241	49.71	19.44	29.27	0
6/11/20 15:30	2.074	59.05	69.93	19.55	29.27	0
6/11/20 15:45	2.054	211.5	33.82	19.74	29.27	0
6/11/20 16:00	2.455	275.3	47.94	19.97	29.26	0
6/11/20 16:15	2.371	335.7	28.59	19.82	29.26	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/11/20 16:30	2.936	336.1	27.79	19.71	29.26	0
6/11/20 16:45	3.216	295	27.4	19.82	29.26	0
6/11/20 17:00	2.227	225.9	28.5	20.42	29.25	0
6/11/20 17:15	2.188	274.8	33.97	20.06	29.25	0
6/11/20 17:30	2.261	324.1	20.99	20.66	29.25	0
6/11/20 17:45	1.152	299.4	46.86	20.85	29.25	0
6/11/20 18:00	3.478	356	18.15	20.47	29.23	0
6/11/20 18:15	2.882	316.7	15.75	19.91	29.23	0
6/11/20 18:30	2.57	316	46.21	19.24	29.23	0
6/11/20 18:45	3.167	17.52	5.153	18.23	29.23	0
6/11/20 19:00	3.577	1.91	18.85	18.31	29.22	0
6/11/20 19:15	3.471	359	12.09	18.12	29.22	0
6/11/20 19:30	4.275	6.58	10.39	18.06	29.22	0
6/11/20 19:45	3.369	10.98	2.97	17.78	29.22	0
6/11/20 20:00	2.422	20.29	14.04	17.12	29.21	0
6/11/20 20:15	3.526	30.18	8.06	16.73	29.21	0
6/11/20 20:30	3.582	24.72	4.576	16.42	29.21	0
6/11/20 20:45	5.016	31.78	5.643	16.12	29.21	0
6/11/20 21:00	3.698	38.06	7.362	15.84	29.19	0
6/11/20 21:15	4.361	44.9	6.046	15.34	29.19	0
6/11/20 21:30	5.001	37.78	5.276	15.25	29.19	0
6/11/20 21:45	5.862	36	8.12	15.06	29.19	0
6/11/20 22:00	6.045	35.93	6.421	15.2	29.18	0
6/11/20 22:15	5.638	34.3	5.528	15.1	29.18	0
6/11/20 22:30	4.373	56.85	18.15	15.6	29.18	0
6/11/20 22:45	4.436	166.9	43.33	15.67	29.18	0
6/11/20 23:00	6.438	186	9.67	15.27	29.19	0
6/11/20 23:15	4.123	179	13.06	14.91	29.19	0
6/11/20 23:30	3.614	131.6	36.77	15.03	29.19	0
6/11/20 23:45	2.126	21.98	17.11	14.43	29.19	0
6/12/20 0:00	1.455	294.1	24.64	15.07	29.18	0
6/12/20 0:15	1.664	184.8	15.55	15.41	29.18	0
6/12/20 0:30	4.027	198.5	15.11	14.85	29.18	0
6/12/20 0:45	3.017	304	47.85	14.61	29.18	0
6/12/20 1:00	3.278	317.4	5.919	14.15	29.16	0
6/12/20 1:15	0.52	308.6	8.06	14.62	29.16	0
6/12/20 1:30	2.344	315.4	21.87	14.77	29.16	0
6/12/20 1:45	2.208	337.3	12.96	14.54	29.16	0
6/12/20 2:00	2.923	345.3	26.62	14.54	29.14	0
6/12/20 2:15	0.462	20.99	17.5	14.02	29.14	0
6/12/20 2:30	4.095	269.5	9.08	14.02	29.14	0
6/12/20 2:45	5.115	283.9	9.07	13.37	29.14	0
6/12/20 3:00	2.762	295.3	10.17	13.06	29.14	0
6/12/20 3:15	2.614	263.2	49.77	13.12	29.14	0
6/12/20 3:30	4.158	234	12.06	12.91	29.14	0
6/12/20 3:45	4.91	204.8	6.34	12.81	29.14	0
6/12/20 4:00	5.506	179.5	7.979	12.7	29.17	0
6/12/20 4:15	7.668	195.3	5.953	12.71	29.17	0
6/12/20 4:30	7.871	193.4	5.71	12.65	29.17	0
6/12/20 4:45	6.414	200.6	7.113	12.6	29.17	0
6/12/20 5:00	5.443	198.4	10.28	12.48	29.17	0
6/12/20 5:15	5.072	183.8	11.12	12.51	29.17	0
6/12/20 5:30	3.847	149.3	8.84	12.56	29.17	0
6/12/20 5:45	7.24	184.1	13.92	12.73	29.17	0
6/12/20 6:00	7.876	190.3	6.797	12.79	29.18	0
6/12/20 6:15	9.45	191.5	7.306	12.79	29.18	0
6/12/20 6:30	7.964	172.4	10.42	12.79	29.18	0
6/12/20 6:45	8.64	180.6	12.29	12.91	29.18	0
6/12/20 7:00	7.868	169.4	9.1	12.89	29.19	0
6/12/20 7:15	7.351	175.1	8.27	12.94	29.19	0
6/12/20 7:30	8.64	184.6	9.53	13	29.19	0
6/12/20 7:45	9.58	194.6	9.26	13	29.19	0
6/12/20 8:00	9.12	199.5	13.81	12.56	29.2	0
6/12/20 8:15	6.809	150.2	9.49	12.01	29.2	0
6/12/20 8:30	6.362	146.9	10.36	11.9	29.2	0
6/12/20 8:45	6.489	137.4	10.75	12.02	29.2	0
6/12/20 9:00	6.862	134.8	10.07	12.24	29.19	0
6/12/20 9:15	5.83	137.7	12.24	12.46	29.19	0
6/12/20 9:30	6.035	144.4	12	12.53	29.19	0
6/12/20 9:45	6.584	148.7	9.58	12.73	29.19	0
6/12/20 10:00	6.407	155.2	12.96	12.77	29.19	0
6/12/20 10:15	6.89	191.3	20.35	12.77	29.19	0
6/12/20 10:30	7.819	239.4	7.881	12.33	29.19	0.01
6/12/20 10:45	6.142	232.4	8.99	12.13	29.19	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/12/20 11:00	6.245	227	10.05	12.12	29.21	0
6/12/20 11:15	5.789	227.1	13.96	12.08	29.21	0
6/12/20 11:30	6.062	265.4	10.81	12.04	29.21	0.01
6/12/20 11:45	5.664	254.2	8.93	11.96	29.21	0.01
6/12/20 12:00	4.879	238.2	19.31	12.04	29.24	0.01
6/12/20 12:15	6.835	216.3	17.56	12.18	29.24	0.02
6/12/20 12:30	9.95	258.9	7.802	11.97	29.24	0.01
6/12/20 12:45	8.36	252.1	8.11	11.59	29.24	0.02
6/12/20 13:00	8.58	243.3	6.046	11.51	29.25	0.02
6/12/20 13:15	6.905	257.6	8.6	11.35	29.25	0.03
6/12/20 13:30	4.059	250.7	10.11	11.46	29.25	0.01
6/12/20 13:45	2.393	225.7	25.99	11.87	29.25	0.01
6/12/20 14:00	3.997	207.4	25.26	11.97	29.24	0.01
6/12/20 14:15	4.226	182.1	12.82	11.83	29.24	0.01
6/12/20 14:30	5.22	149.2	12.1	11.74	29.24	0.01
6/12/20 14:45	5.894	146.4	12.78	11.87	29.24	0.01
6/12/20 15:00	6.28	134.8	7.798	11.86	29.24	0.02
6/12/20 15:15	7.32	141.7	11.18	12.25	29.24	0
6/12/20 15:30	9.02	145.8	15.22	12.24	29.24	0
6/12/20 15:45	8.76	141.8	11.45	12.27	29.24	0
6/12/20 16:00	7.141	142.3	12.51	12.73	29.23	0
6/12/20 16:15	8.5	153.1	8.18	13.28	29.23	0
6/12/20 16:30	7.01	160.2	17.23	13.28	29.23	0
6/12/20 16:45	7.479	162.2	11	12.83	29.23	0
6/12/20 17:00	5.985	141	15.57	12.79	29.21	0
6/12/20 17:15	5.725	138.8	11.13	13.29	29.21	0
6/12/20 17:30	5.376	144.5	18.71	13.01	29.21	0
6/12/20 17:45	5.085	148.2	18.04	12.89	29.21	0
6/12/20 18:00	4.451	127.8	9.78	12.61	29.19	0
6/12/20 18:15	4.749	123.8	10.44	12.54	29.19	0
6/12/20 18:30	3.795	137.9	12.81	13.33	29.19	0
6/12/20 18:45	5.365	146.2	11.74	13.32	29.19	0
6/12/20 19:00	5.251	137.8	13.73	12.6	29.17	0
6/12/20 19:15	4.801	129.5	13.93	12.29	29.17	0
6/12/20 19:30	4.471	135.7	10.51	12	29.17	0
6/12/20 19:45	4.298	128.1	4.371	11.92	29.17	0
6/12/20 20:00	4.926	122.8	5.085	11.68	29.18	0
6/12/20 20:15	5.334	129.8	7.741	11.78	29.18	0
6/12/20 20:30	6.22	142.3	7.819	11.78	29.18	0
6/12/20 20:45	6.663	145.2	6.642	12.13	29.18	0
6/12/20 21:00	6.703	142.9	7.336	12.08	29.21	0
6/12/20 21:15	6.86	142.2	7.6	12.07	29.21	0
6/12/20 21:30	5.274	151.8	8.73	11.88	29.21	0
6/12/20 21:45	5.945	186.3	29.97	11.65	29.21	0
6/12/20 22:00	5.85	218.7	17.75	11.5	29.18	0
6/12/20 22:15	3.276	189.5	16.46	11.13	29.18	0
6/12/20 22:30	2.495	136	23.57	11	29.18	0
6/12/20 22:45	2.74	115.2	5.858	10.65	29.18	0
6/12/20 23:00	1.349	121.2	14.66	10.63	29.17	0
6/12/20 23:15	2.619	125.9	9.73	10.68	29.17	0
6/12/20 23:30	3.526	112.3	5.439	10.65	29.17	0
6/12/20 23:45	2.463	109.9	15.88	10.82	29.17	0
6/13/20 0:00	1.729	158.2	28.74	11.08	29.13	0
6/13/20 0:15	3.485	175.3	22.25	11.14	29.13	0
6/13/20 0:30	5.221	198.2	9.68	11.03	29.13	0
6/13/20 0:45	7.043	190.3	5.438	10.9	29.13	0
6/13/20 1:00	5.159	179.7	14.07	10.83	29.15	0
6/13/20 1:15	4.259	156	7.925	10.71	29.15	0
6/13/20 1:30	6.522	186.5	11.95	10.59	29.15	0
6/13/20 1:45	5.475	192.3	8.59	10.65	29.15	0
6/13/20 2:00	5.558	180.3	10.87	10.66	29.11	0
6/13/20 2:15	5.784	192.5	7.069	10.61	29.11	0.01
6/13/20 2:30	6.969	191.9	6.105	10.57	29.11	0
6/13/20 2:45	7.486	201.8	26.75	10.5	29.11	0.02
6/13/20 3:00	6.111	266.6	6.617	10.37	29.13	0.01
6/13/20 3:15	7.528	282.1	11.23	10.14	29.13	0
6/13/20 3:30	5.317	290.9	6.721	9.9	29.13	0.01
6/13/20 3:45	3.237	253.4	17.11	10.04	29.13	0.01
6/13/20 4:00	1.464	283.1	7.758	9.96	29.13	0.01
6/13/20 4:15	1.966	266.1	13.71	9.99	29.13	0.03
6/13/20 4:30	2.489	264.3	32.76	10.04	29.13	0.04
6/13/20 4:45	1.473	274.1	14.05	9.88	29.13	0.03
6/13/20 5:00	1.269	163	13.83	9.8	29.12	0.01
6/13/20 5:15	2.215	185.5	9.53	9.8	29.12	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/13/20 5:30	3.115	208.4	8.4	9.79	29.12	0.02
6/13/20 5:45	2.738	202.6	11.57	9.9	29.12	0.01
6/13/20 6:00	3.205	186.2	5.359	9.78	29.1	0.01
6/13/20 6:15	2.96	189	13.73	9.75	29.1	0.01
6/13/20 6:30	3.519	194.9	6.658	9.71	29.1	0.02
6/13/20 6:45	2.067	228.5	14.4	9.84	29.1	0.02
6/13/20 7:00	3.429	210.7	11.26	9.9	29.11	0.02
6/13/20 7:15	4.446	209.3	10.28	10	29.11	0.01
6/13/20 7:30	4.104	185.8	7.28	9.76	29.11	0
6/13/20 7:45	2.894	164.8	12.72	10.18	29.11	0
6/13/20 8:00	3.559	197.5	22.17	10.18	29.13	0
6/13/20 8:15	4.465	207.5	8.95	10.12	29.13	0
6/13/20 8:30	3.16	213.1	6.611	10.04	29.13	0
6/13/20 8:45	3.861	225.4	21.32	10.06	29.13	0.06
6/13/20 9:00	4.892	305.6	13.87	10.04	29.13	0.01
6/13/20 9:15	3.517	331.7	9.93	10.44	29.13	0
6/13/20 9:30	2.498	16.39	27.5	11.26	29.13	0
6/13/20 9:45	2.775	61.19	15.68	11.59	29.13	0
6/13/20 10:00	2.745	98.2	25.27	12.35	29.13	0
6/13/20 10:15	2.504	112	40.15	11.91	29.13	0
6/13/20 10:30	2.418	221.7	44.73	12.62	29.13	0
6/13/20 10:45	2.882	274	83.4	13.14	29.13	0
6/13/20 11:00	3.204	182.2	44.92	13.19	29.13	0
6/13/20 11:15	4.26	204.5	46.89	13.67	29.13	0
6/13/20 11:30	6.164	176.4	30.39	14.18	29.13	0
6/13/20 11:45	6.62	160.5	15.23	14.27	29.13	0
6/13/20 12:00	4.605	172.4	27.31	13.47	29.12	0
6/13/20 12:15	5.228	154.7	7.689	13.26	29.12	0
6/13/20 12:30	2.997	153.9	24.12	14	29.12	0
6/13/20 12:45	5.004	152.9	17.95	13.32	29.12	0
6/13/20 13:00	7.447	193	24.27	14.39	29.1	0
6/13/20 13:15	9.6	213.8	13.67	14.71	29.1	0
6/13/20 13:30	10.03	212.5	14.61	14.48	29.1	0
6/13/20 13:45	9.87	217.5	14.82	14.86	29.1	0
6/13/20 14:00	12.96	213.4	11.85	15.08	29.12	0
6/13/20 14:15	13.94	211.4	11.13	14.81	29.12	0
6/13/20 14:30	10.72	211.6	11.86	15.21	29.12	0
6/13/20 14:45	11.28	200.8	8.65	14.78	29.12	0
6/13/20 15:00	9.1	209.8	10.59	14.09	29.12	0
6/13/20 15:15	8.76	200.6	11.44	13.61	29.12	0
6/13/20 15:30	13.03	203.8	15.11	13.26	29.12	0.09
6/13/20 15:45	11.86	189.4	10.31	10.75	29.12	0
6/13/20 16:00	8.94	173.4	13.43	11.03	29.13	0.01
6/13/20 16:15	7.818	142.6	10.66	11.28	29.13	0
6/13/20 16:30	8.8	141.5	9.44	11.06	29.13	0
6/13/20 16:45	8.8	148.8	10.96	11.06	29.13	0
6/13/20 17:00	10.28	157.6	9.16	11.22	29.13	0
6/13/20 17:15	8.4	158.1	10.59	11.5	29.13	0
6/13/20 17:30	7.505	153.2	13.19	11.98	29.13	0
6/13/20 17:45	9.26	156.1	11.81	12.37	29.13	0
6/13/20 18:00	10.29	161.6	10.97	12.23	29.14	0
6/13/20 18:15	8.82	158.5	9.41	12.25	29.14	0
6/13/20 18:30	8.61	164.2	11.24	12.71	29.14	0
6/13/20 18:45	10.25	176.1	11.02	12.44	29.14	0
6/13/20 19:00	10.04	173.2	9.16	12.09	29.14	0
6/13/20 19:15	10.1	181.2	9.37	11.84	29.14	0
6/13/20 19:30	11.17	189.7	10.59	11.8	29.14	0
6/13/20 19:45	9.99	187.6	8.39	11.61	29.14	0
6/13/20 20:00	8.94	187.2	9.1	11.51	29.15	0
6/13/20 20:15	6.918	186.1	8.98	11.39	29.15	0
6/13/20 20:30	6.322	189.4	8.45	11.22	29.15	0
6/13/20 20:45	6.747	184.3	9.54	11.18	29.15	0
6/13/20 21:00	5.439	175.5	10.25	11	29.14	0
6/13/20 21:15	2.416	157.2	16.67	10.73	29.14	0
6/13/20 21:30	4.556	179.1	8.76	10.65	29.14	0
6/13/20 21:45	6.328	180.8	10.14	10.67	29.14	0
6/13/20 22:00	4.99	184.7	12.19	10.57	29.16	0
6/13/20 22:15	3.916	189.3	11.3	10.57	29.16	0
6/13/20 22:30	6.356	191.2	7.162	10.51	29.16	0
6/13/20 22:45	7.483	195.6	7.831	10.37	29.16	0
6/13/20 23:00	6.292	210.5	10.59	10.31	29.16	0
6/13/20 23:15	6.466	199.6	9.35	10.25	29.16	0
6/13/20 23:30	6.202	190.1	6.873	9.94	29.16	0
6/13/20 23:45	6.635	182.4	7.15	9.89	29.16	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/14/20 0:00	6.39	175.8	7.637	9.7	29.14	0
6/14/20 0:15	6.277	170.2	11.15	9.64	29.14	0
6/14/20 0:30	6.617	153.5	6.349	9.26	29.14	0
6/14/20 0:45	7.324	162.4	7.242	8.81	29.14	0
6/14/20 1:00	6.185	158.8	9.23	8.65	29.14	0
6/14/20 1:15	4.904	143.7	9.87	8.45	29.14	0
6/14/20 1:30	3.81	132.6	7.989	8.49	29.14	0
6/14/20 1:45	5.123	146	10.35	8.54	29.14	0
6/14/20 2:00	7.2	158.6	5.319	8.48	29.16	0
6/14/20 2:15	6.51	153.1	5.668	8.51	29.16	0
6/14/20 2:30	7.498	157	5.328	8.52	29.16	0
6/14/20 2:45	6.146	151.5	6.263	8.58	29.16	0
6/14/20 3:00	5.242	167.4	10.62	8.72	29.18	0
6/14/20 3:15	6.805	171.9	10.51	8.82	29.18	0
6/14/20 3:30	5.283	160.6	17.77	8.82	29.18	0
6/14/20 3:45	5.814	172	12.58	8.9	29.18	0
6/14/20 4:00	4.697	167.6	13.67	8.95	29.19	0
6/14/20 4:15	5.285	172.6	9.11	8.93	29.19	0
6/14/20 4:30	4.847	169.4	11.08	8.91	29.19	0
6/14/20 4:45	4.308	168.8	7.877	8.77	29.19	0
6/14/20 5:00	4.223	162.6	11.76	8.71	29.2	0
6/14/20 5:15	3.573	144.4	7.763	8.77	29.2	0
6/14/20 5:30	4.479	143.6	7.389	8.79	29.2	0
6/14/20 5:45	4.395	158.6	9.46	8.87	29.2	0
6/14/20 6:00	3.705	150.8	12.27	9.27	29.2	0
6/14/20 6:15	4.501	152.2	6.012	9.47	29.2	0
6/14/20 6:30	5.03	146.2	6.634	10.17	29.2	0
6/14/20 6:45	4.57	145.2	7.65	10.45	29.2	0
6/14/20 7:00	4.522	163.4	18.86	10.47	29.21	0
6/14/20 7:15	7.035	183.5	9.9	10.39	29.21	0
6/14/20 7:30	6.197	184	9.94	10.45	29.21	0
6/14/20 7:45	4.644	184.4	14.19	10.71	29.21	0
6/14/20 8:00	5.075	183	10.28	10.63	29.19	0
6/14/20 8:15	5.178	206.8	15.8	10.85	29.19	0
6/14/20 8:30	5.503	219.1	12.1	10.89	29.19	0
6/14/20 8:45	7.143	217.9	10.21	11.14	29.19	0
6/14/20 9:00	4.868	207.1	14.94	11.36	29.22	0
6/14/20 9:15	7.844	212.3	11.9	11.52	29.22	0
6/14/20 9:30	4.887	204.1	19.7	11.87	29.22	0
6/14/20 9:45	5.778	221.8	13.75	12.08	29.22	0
6/14/20 10:00	8.38	230.2	8.61	12.23	29.22	0
6/14/20 10:15	6.175	227.3	17.22	12.27	29.22	0
6/14/20 10:30	3.992	198.6	33.44	12.69	29.22	0
6/14/20 10:45	7.029	215.4	17.75	12.67	29.22	0
6/14/20 11:00	8.28	228.6	14.68	12.64	29.23	0
6/14/20 11:15	7.39	228.4	9.52	12.98	29.23	0
6/14/20 11:30	4.97	227.6	25.84	13.54	29.23	0
6/14/20 11:45	5.756	221.6	25.15	13.65	29.23	0
6/14/20 12:00	7.858	219.3	14.59	14.54	29.24	0
6/14/20 12:15	9.59	197	15.66	14.74	29.24	0
6/14/20 12:30	8.6	200.5	21.65	15.34	29.24	0
6/14/20 12:45	9.51	209.3	14.86	15.66	29.24	0
6/14/20 13:00	9.38	205.3	15.69	15.87	29.23	0
6/14/20 13:15	9.04	207.5	13.36	15.36	29.23	0
6/14/20 13:30	8.6	195.3	11.74	15.87	29.23	0
6/14/20 13:45	8.43	202.5	19.57	16.33	29.23	0
6/14/20 14:00	7.95	211.4	23.17	16.14	29.23	0
6/14/20 14:15	9.92	230.8	17.63	15.9	29.23	0
6/14/20 14:30	8.81	232.8	10.33	16.64	29.23	0
6/14/20 14:45	8.37	213.1	16.78	17.19	29.23	0
6/14/20 15:00	8.71	210.3	22.51	17.27	29.23	0
6/14/20 15:15	9.17	207.3	24.43	17.14	29.23	0
6/14/20 15:30	10.35	212	16.16	16.76	29.23	0
6/14/20 15:45	6.848	194.2	36.82	16.71	29.23	0
6/14/20 16:00	8.71	202.3	13.3	17.27	29.19	0
6/14/20 16:15	9.61	210.3	11.91	16.5	29.19	0
6/14/20 16:30	7.421	210.5	20.16	17.3	29.19	0
6/14/20 16:45	8.23	191.4	18.35	17.23	29.19	0
6/14/20 17:00	9.87	204.5	16.83	17.11	29.21	0
6/14/20 17:15	9.01	189.8	9.35	16.18	29.21	0
6/14/20 17:30	9.07	187.7	10.51	15.87	29.21	0
6/14/20 17:45	6.381	174.7	15.84	15.78	29.21	0
6/14/20 18:00	6.556	184.3	19.78	16.2	29.2	0
6/14/20 18:15	9.8	216.6	14.01	16.49	29.2	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/14/20 18:30	8.98	208.2	10.18	16.38	29.2	0
6/14/20 18:45	8.7	223.5	9.44	16.12	29.2	0
6/14/20 19:00	6.118	225.2	10.07	16.07	29.19	0
6/14/20 19:15	4.982	236.5	7.015	15.73	29.19	0
6/14/20 19:30	4.668	273.6	12.1	15.38	29.19	0
6/14/20 19:45	4.911	278.6	5.628	14.79	29.19	0
6/14/20 20:00	3.385	284.3	2.754	14.36	29.16	0
6/14/20 20:15	1.435	302.2	7.968	14.28	29.16	0
6/14/20 20:30	1.153	24.55	14.52	13.95	29.16	0
6/14/20 20:45	1.376	48.7	15.46	13.8	29.16	0
6/14/20 21:00	2.05	83.3	1.594	13.48	29.16	0
6/14/20 21:15	1.541	86.2	6.162	13.18	29.16	0
6/14/20 21:30	1.788	89.5	1.876	12.96	29.16	0
6/14/20 21:45	2.073	109.1	16.89	12.54	29.16	0
6/14/20 22:00	1.571	116.6	7.594	12.63	29.16	0
6/14/20 22:15	2.229	105.4	23.27	12.67	29.16	0
6/14/20 22:30	2.782	118.2	32	12.38	29.16	0
6/14/20 22:45	3.162	168.2	8.67	12.62	29.16	0
6/14/20 23:00	3.593	154.7	7.881	12.51	29.15	0
6/14/20 23:15	5.965	142.5	10.17	12.42	29.15	0
6/14/20 23:30	5.918	153.1	13.09	12.19	29.15	0
6/14/20 23:45	5.566	142.8	12.22	12.35	29.15	0
6/15/20 0:00	5.356	134.9	10.85	12.37	29.11	0
6/15/20 0:15	5.539	139	15.8	12.38	29.11	0
6/15/20 0:30	6.486	116.5	12.15	12.5	29.11	0
6/15/20 0:45	5.189	129.4	21.47	12.67	29.11	0
6/15/20 1:00	3.901	145.8	23.74	13.1	29.09	0
6/15/20 1:15	4.74	160.6	20.47	12.91	29.09	0
6/15/20 1:30	4.971	148.5	28.22	13.31	29.09	0
6/15/20 1:45	6.267	169.9	28.04	12.64	29.09	0
6/15/20 2:00	7.519	152.8	8.64	12.5	29.11	0
6/15/20 2:15	8.61	176	11.38	11.96	29.11	0.01
6/15/20 2:30	7.204	177.6	9.72	11.57	29.11	0
6/15/20 2:45	4.751	185.8	14.73	11.47	29.11	0
6/15/20 3:00	2.187	110.3	16.44	11.06	29.08	0
6/15/20 3:15	5.094	131.5	6.194	10.86	29.08	0
6/15/20 3:30	4.577	128.1	6.46	10.83	29.08	0
6/15/20 3:45	4.639	136.6	6.145	10.95	29.08	0
6/15/20 4:00	5.457	131.5	7.724	10.93	29.08	0.01
6/15/20 4:15	4.07	119.6	9.93	10.71	29.08	0
6/15/20 4:30	3.459	104.1	9.15	10.52	29.08	0
6/15/20 4:45	4.138	105.4	7.113	10.37	29.08	0
6/15/20 5:00	5.42	122.2	9.97	10.49	29.08	0
6/15/20 5:15	5.315	115	9.94	10.57	29.08	0.01
6/15/20 5:30	5.291	122.9	13.47	10.73	29.08	0
6/15/20 5:45	4.94	121.1	15.56	10.73	29.08	0
6/15/20 6:00	5.738	124.8	16.39	10.81	29.06	0
6/15/20 6:15	4.599	99.3	20.72	10.63	29.06	0
6/15/20 6:30	4.425	109.6	15.56	10.53	29.06	0.01
6/15/20 6:45	6.743	130.1	11.33	10.83	29.06	0.01
6/15/20 7:00	8	134.9	9.57	11.02	29.04	0.01
6/15/20 7:15	9.53	140.7	9.63	11.07	29.04	0
6/15/20 7:30	8.83	133.7	8.46	11.05	29.04	0.01
6/15/20 7:45	8.01	137.6	8.57	11.09	29.04	0.02
6/15/20 8:00	5.929	122.4	17.57	11.14	29.07	0.01
6/15/20 8:15	5.063	134.9	14.56	11.26	29.07	0.02
6/15/20 8:30	8.36	141.7	10.41	11.42	29.07	0.01
6/15/20 8:45	7.716	136.7	11.4	11.38	29.07	0.02
6/15/20 9:00	6.684	160.1	11.18	11.36	29.06	0.04
6/15/20 9:15	7.751	136.8	7.611	11.49	29.06	0.03
6/15/20 9:30	7.065	128.6	8.35	11.63	29.06	0.01
6/15/20 9:45	6.087	130.9	9.5	11.85	29.06	0
6/15/20 10:00	6.373	152.4	8.43	12.08	29.08	0
6/15/20 10:15	5.797	142.7	10.28	12.52	29.08	0
6/15/20 10:30	6.344	148.4	7.953	12.54	29.08	0.01
6/15/20 10:45	5.734	150.7	8.52	13.16	29.08	0
6/15/20 11:00	5.162	149.5	10.06	13.16	29.07	0
6/15/20 11:15	4.903	146.3	10.3	13.54	29.07	0
6/15/20 11:30	6.135	180	19.24	13.65	29.07	0.04
6/15/20 11:45	10.92	201.9	8.21	13.09	29.07	0.07
6/15/20 12:00	12.69	206.4	8.3	13	29.08	0.02
6/15/20 12:15	8.94	199.3	11.03	13.08	29.08	0
6/15/20 12:30	8.76	188	9.51	13.15	29.08	0
6/15/20 12:45	9.34	193.6	8.69	13.21	29.08	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/15/20 13:00	9.35	192.9	9.8	13.29	29.09	0.01
6/15/20 13:15	9.29	187.1	11.12	13.1	29.09	0.01
6/15/20 13:30	7.5	171.3	17.63	13.35	29.09	0
6/15/20 13:45	7.088	188.1	9.01	13.42	29.09	0
6/15/20 14:00	7.309	183.5	16.15	14.03	29.1	0
6/15/20 14:15	9.84	207.4	25.64	13.34	29.1	0.04
6/15/20 14:30	7.058	210.9	25.06	12.46	29.1	0.04
6/15/20 14:45	6.617	158.1	10.54	12.79	29.1	0
6/15/20 15:00	8.85	162.9	7.09	12.79	29.11	0
6/15/20 15:15	8.42	142.3	11.14	12.09	29.11	0
6/15/20 15:30	9.64	138.4	11.2	11.78	29.11	0
6/15/20 15:45	10.52	143.8	10.71	11.68	29.11	0
6/15/20 16:00	8.91	137.4	9.74	11.79	29.13	0
6/15/20 16:15	9.18	151.3	8.88	11.88	29.13	0.01
6/15/20 16:30	9.66	156.7	10.06	11.91	29.13	0.02
6/15/20 16:45	8.21	146	11.46	13.14	29.13	0
6/15/20 17:00	8.42	152.2	11.18	13.23	29.14	0
6/15/20 17:15	9.17	154.8	10.87	13.67	29.14	0
6/15/20 17:30	10.06	158.2	11.37	13.12	29.14	0
6/15/20 17:45	10.42	160.1	6.981	12.37	29.14	0.04
6/15/20 18:00	8.37	168.1	14.69	12.42	29.15	0
6/15/20 18:15	5.533	168.5	15.43	12.23	29.15	0
6/15/20 18:30	4.741	161.8	10.76	11.9	29.15	0
6/15/20 18:45	2.361	150.6	26.02	12.09	29.15	0
6/15/20 19:00	2.798	117.5	9.11	12.34	29.17	0
6/15/20 19:15	4.096	128.4	14.44	11.95	29.17	0
6/15/20 19:30	5.549	144.8	9.86	11.86	29.17	0
6/15/20 19:45	6.509	168	11.78	11.63	29.17	0
6/15/20 20:00	6.927	157.8	8.77	11.38	29.17	0
6/15/20 20:15	6.23	148.7	10.75	11.06	29.17	0
6/15/20 20:30	5	134.7	9.35	10.86	29.17	0
6/15/20 20:45	4.451	123.2	9.43	10.62	29.17	0
6/15/20 21:00	3.84	134.5	12.87	10.49	29.18	0
6/15/20 21:15	4.619	159.3	9.83	10.55	29.18	0
6/15/20 21:30	4.747	151.6	6.282	10.4	29.18	0
6/15/20 21:45	6.037	140.5	9.23	10.37	29.18	0
6/15/20 22:00	6.689	157	7.803	10.21	29.17	0
6/15/20 22:15	5.157	149.7	8.29	10.05	29.17	0
6/15/20 22:30	5.211	155.9	6.146	9.96	29.17	0
6/15/20 22:45	4.015	150.2	7.892	9.96	29.17	0
6/15/20 23:00	4.18	135.6	9.01	10	29.19	0
6/15/20 23:15	4.503	136.7	7.738	10.12	29.19	0
6/15/20 23:30	3.928	134.8	6.748	10.07	29.19	0
6/15/20 23:45	2.509	126.8	6.965	9.98	29.19	0
6/16/20 0:00	2.092	132.1	11.86	10	29.19	0
6/16/20 0:15	1.814	156.1	21.37	10.12	29.19	0
6/16/20 0:30	1.703	121	9.63	10.08	29.19	0
6/16/20 0:45	3.17	151.4	8.65	10.06	29.19	0
6/16/20 1:00	4.239	172.5	11.63	10.06	29.17	0
6/16/20 1:15	4.7	175.3	8.25	10.01	29.17	0
6/16/20 1:30	4.316	177.9	7.515	9.75	29.17	0
6/16/20 1:45	2.514	147.7	9.21	9.6	29.17	0.01
6/16/20 2:00	1.44	117.2	12.31	9.44	29.17	0
6/16/20 2:15	2.805	143	9.65	9.42	29.17	0
6/16/20 2:30	3.499	151.4	7.074	9.4	29.17	0.01
6/16/20 2:45	2.778	137.8	8.94	9.34	29.17	0
6/16/20 3:00	2.402	141.3	8.14	9.28	29.17	0
6/16/20 3:15	1.801	122.8	5.597	9.26	29.17	0.01
6/16/20 3:30	2.594	141.3	9.76	9.24	29.17	0.01
6/16/20 3:45	2.761	121	8.91	9.23	29.17	0.01
6/16/20 4:00	3.493	126.7	6.154	9.16	29.18	0.01
6/16/20 4:15	3.229	124.6	4.322	9.16	29.18	0
6/16/20 4:30	4.068	129.1	7.419	9.19	29.18	0
6/16/20 4:45	3.608	133	6.641	9.23	29.18	0.01
6/16/20 5:00	2.768	117.6	5.955	9.23	29.2	0
6/16/20 5:15	3.146	115.4	4.634	9.21	29.2	0
6/16/20 5:30	3.599	117.4	5.558	9.23	29.2	0
6/16/20 5:45	3.436	119.7	4.894	9.4	29.2	0
6/16/20 6:00	3.489	124.5	9.89	9.76	29.21	0
6/16/20 6:15	2.253	140.8	19.8	9.96	29.21	0
6/16/20 6:30	1.547	178	11.28	10	29.21	0
6/16/20 6:45	2.099	188.3	12.24	10.22	29.21	0
6/16/20 7:00	1.958	169.3	15.81	10.39	29.24	0
6/16/20 7:15	2.284	150.9	17.18	10.67	29.24	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/16/20 7:30	2.37	117.6	12	10.95	29.24	0
6/16/20 7:45	2.264	106.2	8.21	10.97	29.24	0
6/16/20 8:00	2.636	109.2	6.721	10.98	29.22	0
6/16/20 8:15	2.745	86.8	10.91	10.92	29.22	0
6/16/20 8:30	2.184	109.3	96.6	11.06	29.22	0
6/16/20 8:45	2.873	297.2	14.21	11.13	29.22	0
6/16/20 9:00	2.966	336.3	27.28	11.35	29.24	0
6/16/20 9:15	2.299	348	23.54	11.42	29.24	0
6/16/20 9:30	3.217	324.4	18.64	11.61	29.24	0
6/16/20 9:45	2.608	324	22.48	11.88	29.24	0
6/16/20 10:00	2.308	303.9	17.63	12.4	29.25	0
6/16/20 10:15	1.713	13.99	41.83	13.53	29.25	0
6/16/20 10:30	2.097	16.19	57.68	13.37	29.25	0
6/16/20 10:45	4.792	304.9	31.66	13.26	29.25	0
6/16/20 11:00	5.043	332.5	24.29	13.34	29.26	0
6/16/20 11:15	5.105	19.39	14.67	13.09	29.26	0
6/16/20 11:30	3.864	326.6	30.27	14.85	29.26	0
6/16/20 11:45	5.895	356.2	28.74	14.73	29.26	0
6/16/20 12:00	6.017	29.81	10.66	13.18	29.25	0
6/16/20 12:15	6.658	338.9	30.57	13.95	29.25	0
6/16/20 12:30	5.673	318.7	19.08	14.33	29.25	0
6/16/20 12:45	5.141	333.5	22.61	15.38	29.25	0
6/16/20 13:00	9.86	336	9.64	15.03	29.27	0
6/16/20 13:15	7.552	335.2	10.21	12.52	29.27	0.01
6/16/20 13:30	5.104	333.2	7.531	13.13	29.27	0
6/16/20 13:45	5.796	315	12.27	14.76	29.27	0
6/16/20 14:00	8.24	312.2	17.82	16.06	29.27	0
6/16/20 14:15	8.1	19.16	29.51	16.45	29.27	0
6/16/20 14:30	8.12	45.24	11.37	15.31	29.27	0
6/16/20 14:45	9.84	30.23	12.41	15.18	29.27	0
6/16/20 15:00	6.379	32.66	8.25	14.45	29.29	0
6/16/20 15:15	3.57	42.22	17.51	14.88	29.29	0
6/16/20 15:30	6.103	47.1	23.42	14.88	29.29	0
6/16/20 15:45	7.064	25.91	10.8	14.29	29.29	0
6/16/20 16:00	6.128	22.11	12.89	14.39	29.29	0
6/16/20 16:15	4.271	37.79	13.29	14.48	29.29	0
6/16/20 16:30	5.267	25.51	16.6	15.88	29.29	0
6/16/20 16:45	6.044	33.88	14.14	16.21	29.29	0
6/16/20 17:00	6.411	3.008	31.35	17.04	29.3	0
6/16/20 17:15	9.2	1.965	37.94	16.99	29.3	0
6/16/20 17:30	9.29	27.54	14.5	16.31	29.3	0
6/16/20 17:45	7.072	27.36	14.65	15.72	29.3	0
6/16/20 18:00	5.401	19.43	19	15.87	29.33	0
6/16/20 18:15	5.37	22.32	14.53	15.78	29.33	0
6/16/20 18:30	5.423	25.95	9.74	14.81	29.33	0
6/16/20 18:45	5.47	20.13	6.648	15.5	29.33	0
6/16/20 19:00	4.13	19.71	11.46	15.35	29.34	0
6/16/20 19:15	4.534	5.602	10.34	15.55	29.34	0
6/16/20 19:30	4.321	9.1	8.64	15.2	29.34	0
6/16/20 19:45	2.825	345.9	18.05	14.82	29.34	0
6/16/20 20:00	2.887	2.908	12.31	14.6	29.35	0
6/16/20 20:15	2.682	48.11	8.04	14.27	29.35	0
6/16/20 20:30	2.466	57.51	2.942	13.55	29.35	0
6/16/20 20:45	1.676	72.78	1.25	13.51	29.35	0
6/16/20 21:00	0.756	80.8	29.69	13.33	29.37	0
6/16/20 21:15	1.833	195.1	80.3	13.51	29.37	0
6/16/20 21:30	0.272	33.33	14.62	12.15	29.37	0
6/16/20 21:45	0.786	113.4	24.55	12.26	29.37	0
6/16/20 22:00	0.272	86.5	0.66	12.21	29.37	0
6/16/20 22:15	0.221	90.9	3.262	11.92	29.37	0
6/16/20 22:30	0.488	192	8.13	11.34	29.37	0
6/16/20 22:45	0.173	64.96	2.241	11.42	29.37	0
6/16/20 23:00	0.527	7.06	25.15	11.42	29.4	0
6/16/20 23:15	0.693	8.51	8.65	11.66	29.4	0
6/16/20 23:30	2.189	50.47	18	11.07	29.4	0
6/16/20 23:45	1.736	48.94	8.33	11.27	29.4	0
6/17/20 0:00	1.184	32.43	12.44	11.32	29.38	0
6/17/20 0:15	0.174	40.88	4.719	11.59	29.38	0
6/17/20 0:30	0.37	0.383	0.408	11.44	29.38	0
6/17/20 0:45	0.412	346.2	2.9	10.97	29.38	0
6/17/20 1:00	1.038	35.48	6.015	11.13	29.4	0
6/17/20 1:15	1.503	68.35	17.69	11.34	29.4	0
6/17/20 1:30	2.448	110.4	13.09	11.31	29.4	0
6/17/20 1:45	2.833	155.6	21.79	11.52	29.4	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/17/20 2:00	2.616	166.8	19.05	11.05	29.42	0
6/17/20 2:15	4.574	168.5	9.24	10.89	29.42	0
6/17/20 2:30	3.96	153.6	4.653	11.12	29.42	0
6/17/20 2:45	3.546	154.1	6.733	11.07	29.42	0
6/17/20 3:00	3.117	156.3	9.39	10.95	29.4	0
6/17/20 3:15	2.802	139.5	4.363	10.97	29.4	0
6/17/20 3:30	2.161	98.5	15.68	10.95	29.4	0
6/17/20 3:45	2.319	89.4	4.662	10.61	29.4	0
6/17/20 4:00	0.6	81.3	3.036	11.16	29.43	0
6/17/20 4:15	2.751	186	19.62	11.55	29.43	0
6/17/20 4:30	4.018	187.2	5.664	11.67	29.43	0
6/17/20 4:45	4.94	179.3	7.891	11.5	29.43	0
6/17/20 5:00	4.33	186.9	8.08	11.34	29.45	0
6/17/20 5:15	4.191	166.4	17.8	11.25	29.45	0
6/17/20 5:30	1.28	123.1	18.46	10.87	29.45	0
6/17/20 5:45	1.172	125.1	28.53	11.05	29.45	0
6/17/20 6:00	3.355	184	10.3	11.14	29.44	0
6/17/20 6:15	3.781	178.2	22.97	11.1	29.44	0
6/17/20 6:30	4.044	174.2	16.59	11.25	29.44	0
6/17/20 6:45	4.708	179.9	8.59	11.29	29.44	0
6/17/20 7:00	3.867	186.8	7.332	11.33	29.47	0
6/17/20 7:15	3.822	184.6	11.84	11.59	29.47	0
6/17/20 7:30	1.868	176.1	18.77	12.09	29.47	0
6/17/20 7:45	2.206	200.7	13.45	12.12	29.47	0
6/17/20 8:00	2.901	208.9	14.82	12.56	29.48	0
6/17/20 8:15	3.612	206.6	15.91	12.59	29.48	0
6/17/20 8:30	2.542	147.4	28.72	13.46	29.48	0
6/17/20 8:45	3.533	108.1	31.48	13.72	29.48	0
6/17/20 9:00	3.898	120.2	22.75	14.15	29.47	0
6/17/20 9:15	3.981	147.3	27.36	14.62	29.47	0
6/17/20 9:30	3.895	191.5	14.45	14.46	29.47	0
6/17/20 9:45	2.972	174.6	24.3	15.42	29.47	0
6/17/20 10:00	3.963	181.9	21.24	15.76	29.48	0
6/17/20 10:15	2.959	213.8	46.1	16.22	29.48	0
6/17/20 10:30	2.85	230.3	27.06	16.37	29.48	0
6/17/20 10:45	4.873	190.1	22.4	16.12	29.48	0
6/17/20 11:00	3.516	219	41.4	17.23	29.47	0
6/17/20 11:15	3.491	197.1	54.22	17.31	29.47	0
6/17/20 11:30	3.039	179.3	27.04	17.69	29.47	0
6/17/20 11:45	4.536	232.6	35.62	17.67	29.47	0
6/17/20 12:00	3.78	256.9	44.39	17.67	29.46	0
6/17/20 12:15	4.798	223.6	19.88	18.35	29.46	0
6/17/20 12:30	3.222	265.8	34.14	18.27	29.46	0
6/17/20 12:45	3.086	255.8	42.56	18.58	29.46	0
6/17/20 13:00	2.409	293.1	24.21	18.48	29.47	0
6/17/20 13:15	3.346	254.5	53.89	18.74	29.47	0
6/17/20 13:30	3.285	278.4	23.63	18.7	29.47	0
6/17/20 13:45	3.068	262.9	20.78	18.43	29.47	0
6/17/20 14:00	1.566	305.4	53.32	19.11	29.46	0
6/17/20 14:15	3.979	255.3	53.83	18.62	29.46	0
6/17/20 14:30	5.846	267.4	22.72	20.26	29.46	0
6/17/20 14:45	5.608	286.8	46.58	20.42	29.46	0
6/17/20 15:00	6.009	296.4	27.68	20.44	29.43	0
6/17/20 15:15	8.14	293.7	12.86	19.86	29.43	0
6/17/20 15:30	7.001	288.3	9.04	19.47	29.43	0
6/17/20 15:45	6.151	300.7	18.63	20.55	29.43	0
6/17/20 16:00	3.593	267.3	32.35	19.86	29.45	0
6/17/20 16:15	2.24	264.3	21.47	20.05	29.45	0
6/17/20 16:30	4.471	320.4	21.42	19.95	29.45	0
6/17/20 16:45	5.764	296.4	20.45	20.35	29.45	0
6/17/20 17:00	5.706	282	49.45	20.81	29.44	0
6/17/20 17:15	4.246	331.3	21.8	21.05	29.44	0
6/17/20 17:30	8.16	308.5	9.19	20.97	29.44	0
6/17/20 17:45	6.812	290.3	16.68	20.57	29.44	0
6/17/20 18:00	8.03	280.1	11.72	20.53	29.45	0
6/17/20 18:15	7.83	283.9	12.19	20.33	29.45	0
6/17/20 18:30	7.516	291.3	8.37	20	29.45	0
6/17/20 18:45	7.492	301.9	6.868	19.82	29.45	0
6/17/20 19:00	7.225	294.1	5.249	19.19	29.44	0
6/17/20 19:15	7.171	293.4	5.859	18.78	29.44	0
6/17/20 19:30	6.757	297.2	3.96	18.25	29.44	0
6/17/20 19:45	6.372	311.8	4.006	18.06	29.44	0
6/17/20 20:00	5.625	347.5	21.76	17.54	29.44	0
6/17/20 20:15	6.914	13.64	6.492	17.4	29.44	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/17/20 20:30	5.757	19.11	3.719	16.76	29.44	0
6/17/20 20:45	7.022	8.56	7.108	16.64	29.44	0
6/17/20 21:00	8.42	10.74	8.14	16.22	29.44	0
6/17/20 21:15	8.71	9.8	9.04	15.86	29.44	0
6/17/20 21:30	8.97	10	9.26	15.71	29.44	0
6/17/20 21:45	9.49	17.1	8.02	15.34	29.44	0
6/17/20 22:00	8.26	28.07	9.89	15.13	29.46	0
6/17/20 22:15	7.531	31.43	8.49	14.89	29.46	0
6/17/20 22:30	6.747	28.56	6.755	14.53	29.46	0
6/17/20 22:45	5.949	30.56	7.789	14.23	29.46	0
6/17/20 23:00	5.721	25.67	9.56	14.32	29.45	0
6/17/20 23:15	5.66	31.67	10.65	14.49	29.45	0
6/17/20 23:30	6.397	21.76	9.3	13.9	29.45	0
6/17/20 23:45	5.716	35.41	6.429	13.35	29.45	0
6/18/20 0:00	6.59	20.08	7.843	13	29.45	0
6/18/20 0:15	7.034	21.94	7.971	12.88	29.45	0
6/18/20 0:30	7.985	25.92	8.37	12.44	29.45	0
6/18/20 0:45	7.263	18.81	6.707	12.09	29.45	0
6/18/20 1:00	7.445	23.99	9.74	12.1	29.45	0
6/18/20 1:15	7.947	24.57	6.833	11.8	29.45	0
6/18/20 1:30	6.652	25.62	8.43	11.59	29.45	0
6/18/20 1:45	6.523	24.53	10	11.42	29.45	0
6/18/20 2:00	4.567	41.15	19.68	11.26	29.45	0
6/18/20 2:15	5.328	33.36	13.22	11.15	29.45	0
6/18/20 2:30	5.079	26.85	7.465	11.07	29.45	0
6/18/20 2:45	4.448	30.99	9.29	10.51	29.45	0
6/18/20 3:00	3.932	29.49	6.412	10.77	29.43	0
6/18/20 3:15	3.403	33.54	6.907	10.63	29.43	0
6/18/20 3:30	2.92	37.91	7.99	10.44	29.43	0
6/18/20 3:45	3.539	24.02	13.02	10.85	29.43	0
6/18/20 4:00	3.423	36.37	13.59	10.23	29.43	0
6/18/20 4:15	3.736	32.18	7.186	10.07	29.43	0
6/18/20 4:30	4.187	33.13	6.104	9.95	29.43	0
6/18/20 4:45	3.558	18.35	7.597	9.96	29.43	0
6/18/20 5:00	3.442	14.73	9.1	10.47	29.42	0
6/18/20 5:15	2.916	5	9.43	10.71	29.42	0
6/18/20 5:30	2.618	18.14	6.407	10.74	29.42	0
6/18/20 5:45	2.988	22.98	3.812	10.75	29.42	0
6/18/20 6:00	3.326	16.6	7.772	10.85	29.45	0
6/18/20 6:15	3.153	20.38	7.662	11.37	29.45	0
6/18/20 6:30	3.106	16.81	5.7	11.88	29.45	0
6/18/20 6:45	2.835	32.93	11.71	12.27	29.45	0
6/18/20 7:00	2.327	24.2	11.49	13	29.44	0
6/18/20 7:15	1.91	28.92	11.89	13.85	29.44	0
6/18/20 7:30	1.47	33.81	17.92	14.27	29.44	0
6/18/20 7:45	1.243	327.4	46.57	14.74	29.44	0
6/18/20 8:00	1.961	11.2	42.82	15.14	29.42	0
6/18/20 8:15	1.677	321.6	21.6	15.82	29.42	0
6/18/20 8:30	0.869	181.5	37.37	16.12	29.42	0
6/18/20 8:45	1.18	11.27	61.71	17.06	29.42	0
6/18/20 9:00	2.576	330.3	37.86	17	29.42	0
6/18/20 9:15	1.832	326.9	28.19	17.31	29.42	0
6/18/20 9:30	3.545	329.6	36.97	18.06	29.42	0
6/18/20 9:45	4.482	341.8	37.37	18.77	29.42	0
6/18/20 10:00	5.207	325.8	22.17	19.51	29.4	0
6/18/20 10:15	9.9	307.9	13.71	19.62	29.4	0
6/18/20 10:30	10.91	292.4	10.88	20.01	29.4	0
6/18/20 10:45	7.929	316.6	18.99	20.45	29.4	0
6/18/20 11:00	6.195	325.5	25.42	20.65	29.38	0
6/18/20 11:15	8.5	8.99	16.06	20.7	29.38	0
6/18/20 11:30	8.79	11.43	13.55	20.51	29.38	0
6/18/20 11:45	7.885	14.38	22.59	21.22	29.38	0
6/18/20 12:00	6.406	350.2	31.6	21.35	29.36	0
6/18/20 12:15	7.675	322.2	30.24	22.05	29.36	0
6/18/20 12:30	7.541	317.3	18.52	21.99	29.36	0
6/18/20 12:45	8.59	312.2	15.31	21.84	29.36	0
6/18/20 13:00	7.785	308.4	14.24	22.46	29.35	0
6/18/20 13:15	8.03	303.3	12.08	22.4	29.35	0
6/18/20 13:30	7.603	296.6	18.78	23.03	29.35	0
6/18/20 13:45	7.667	315.1	22.93	22.95	29.35	0
6/18/20 14:00	8.22	320.6	15.46	22.99	29.34	0
6/18/20 14:15	7.245	317.1	19.66	23.03	29.34	0
6/18/20 14:30	5.502	315.6	22.34	23.81	29.34	0
6/18/20 14:45	7.155	320.2	16.17	23.32	29.34	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/18/20 15:00	8.42	315.8	19.61	23.17	29.31	0
6/18/20 15:15	8.73	327.2	17.19	23.65	29.31	0
6/18/20 15:30	7.659	324.9	16.13	23.4	29.31	0
6/18/20 15:45	9.27	310.5	10.79	23.49	29.31	0
6/18/20 16:00	9.47	312.3	15.57	23.53	29.3	0
6/18/20 16:15	11.6	287.2	14.72	23.37	29.3	0
6/18/20 16:30	10.05	289.4	12.11	23.28	29.3	0
6/18/20 16:45	9.45	282.3	14.86	23.11	29.3	0
6/18/20 17:00	10.05	296.3	11.44	23.07	29.31	0
6/18/20 17:15	9.51	288.5	10.35	23.02	29.31	0
6/18/20 17:30	8.45	295.5	11.02	23.29	29.31	0
6/18/20 17:45	8.21	290.7	9.44	22.77	29.31	0
6/18/20 18:00	7.249	296.4	8	22.07	29.28	0
6/18/20 18:15	6.535	300.3	8.17	22.35	29.28	0
6/18/20 18:30	6.323	299.5	7.65	22.09	29.28	0
6/18/20 18:45	5.734	302.6	7.509	21.93	29.28	0
6/18/20 19:00	5.359	306.5	5.842	21.56	29.27	0
6/18/20 19:15	6.995	310.3	4.862	21.05	29.27	0
6/18/20 19:30	6.296	315.8	4.283	20.16	29.27	0
6/18/20 19:45	5.206	324.7	7.841	20.28	29.27	0
6/18/20 20:00	5.817	311.4	7.029	19.95	29.26	0
6/18/20 20:15	5.253	326.1	5.793	19.7	29.26	0
6/18/20 20:30	5.632	321.8	6.025	19.4	29.26	0
6/18/20 20:45	4.887	315.9	4.622	18.82	29.26	0
6/18/20 21:00	3.447	345.4	25.71	19.07	29.27	0
6/18/20 21:15	4.808	16.6	7.346	18.45	29.27	0
6/18/20 21:30	5.879	15.6	6.841	17.47	29.27	0
6/18/20 21:45	4.534	13.95	9.72	17.08	29.27	0
6/18/20 22:00	5.003	31.57	5.572	16.62	29.27	0
6/18/20 22:15	4.631	26.51	5.798	16.67	29.27	0
6/18/20 22:30	4.303	13.77	5.586	16.28	29.27	0
6/18/20 22:45	4.269	28.33	8.54	16.04	29.27	0
6/18/20 23:00	4.855	35.55	6.817	15.43	29.24	0
6/18/20 23:15	4.791	42.67	6.265	15.17	29.24	0
6/18/20 23:30	4.096	39.99	6.151	15.17	29.24	0
6/18/20 23:45	4.093	62.52	16.1	15.57	29.24	0
6/19/20 0:00	4.406	72.25	7.18	15.06	29.25	0
6/19/20 0:15	5.579	63.14	8.51	14.98	29.25	0
6/19/20 0:30	5.783	47.54	5.667	14.9	29.25	0
6/19/20 0:45	4.947	40.53	7.021	14.74	29.25	0
6/19/20 1:00	5.533	44.24	6.965	14.52	29.24	0
6/19/20 1:15	4.064	38.46	8.81	14.31	29.24	0
6/19/20 1:30	4.087	23.91	4.463	14.31	29.24	0
6/19/20 1:45	3.953	20.39	4.932	13.84	29.24	0
6/19/20 2:00	3.668	26.87	6.66	13.72	29.23	0
6/19/20 2:15	3.534	23.2	5.248	13.59	29.23	0
6/19/20 2:30	3.684	13.12	5.448	13.73	29.23	0
6/19/20 2:45	3.552	25.84	4.493	13.75	29.23	0
6/19/20 3:00	3.196	56.98	18.24	13.37	29.2	0
6/19/20 3:15	3.088	73.56	21.79	13.25	29.2	0
6/19/20 3:30	1.387	6.075	3.612	13.88	29.2	0
6/19/20 3:45	0.003	5.295	0.049	14.05	29.2	0
6/19/20 4:00	0	0	0	14.08	29.19	0
6/19/20 4:15	0.18	39.61	0.068	13.63	29.19	0
6/19/20 4:30	1.124	54.25	53.66	13.84	29.19	0
6/19/20 4:45	0.713	233.1	21.55	13.84	29.19	0
6/19/20 5:00	0.15	20.02	0.033	13.63	29.2	0
6/19/20 5:15	0.62	93.7	5.674	14.1	29.2	0
6/19/20 5:30	2.063	213.3	30.69	14.49	29.2	0
6/19/20 5:45	2.784	244.4	7.225	14.01	29.2	0
6/19/20 6:00	3.707	199.5	23.65	14.23	29.21	0
6/19/20 6:15	3.334	147.2	6.376	14.15	29.21	0
6/19/20 6:30	2.925	130.7	13.28	15.64	29.21	0
6/19/20 6:45	3.169	105.9	7.609	16.1	29.21	0
6/19/20 7:00	2.893	158.1	14.38	15.91	29.18	0
6/19/20 7:15	3.784	187.4	13.92	16.73	29.18	0
6/19/20 7:30	2.762	145.1	21.48	18.2	29.18	0
6/19/20 7:45	1.232	223	41.72	18.82	29.18	0
6/19/20 8:00	2.181	245.5	24.21	18.45	29.19	0
6/19/20 8:15	1.273	280.1	35.72	19.31	29.19	0
6/19/20 8:30	2.029	323.6	32.48	19.5	29.19	0
6/19/20 8:45	1.988	270.9	21.22	19.79	29.19	0
6/19/20 9:00	2.001	291.8	17.72	20.2	29.17	0
6/19/20 9:15	1.965	258.8	32.2	21.09	29.17	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/19/20 9:30	3.92	264.2	36.95	21.38	29.17	0
6/19/20 9:45	3.525	283.6	21.66	21.48	29.17	0
6/19/20 10:00	2.669	300	29.9	22.12	29.17	0
6/19/20 10:15	2.183	303.7	14.94	22.08	29.17	0
6/19/20 10:30	3.185	270.3	54.67	22.68	29.17	0
6/19/20 10:45	3.76	285.5	38.5	23.42	29.17	0
6/19/20 11:00	4.192	285.2	25.91	23.53	29.14	0
6/19/20 11:15	5.112	303.6	23.21	23.56	29.14	0
6/19/20 11:30	5.75	267.7	17.63	24.21	29.14	0
6/19/20 11:45	7.082	274.1	10.82	24.12	29.14	0
6/19/20 12:00	8.24	261.2	9.44	24.52	29.15	0
6/19/20 12:15	6.25	270	20.83	24.63	29.15	0
6/19/20 12:30	2.502	261.1	37.24	25.69	29.15	0
6/19/20 12:45	3.48	268	47.91	25.8	29.15	0
6/19/20 13:00	3.259	310.6	57.99	25.91	29.12	0
6/19/20 13:15	6.924	281.8	42.57	25.87	29.12	0
6/19/20 13:30	7.828	268	15.14	25.75	29.12	0
6/19/20 13:45	8.83	273.6	9.45	25.43	29.12	0
6/19/20 14:00	8.74	275.5	10.78	25.75	29.13	0
6/19/20 14:15	7.841	270.8	11.3	25.43	29.13	0
6/19/20 14:30	7.198	282.9	14.3	25.49	29.13	0
6/19/20 14:45	5.075	304.8	23.53	25.77	29.13	0
6/19/20 15:00	4.112	295.6	14.64	25.76	29.11	0
6/19/20 15:15	5.585	283.2	10.16	25.46	29.11	0
6/19/20 15:30	4.529	282.3	15.76	25.44	29.11	0
6/19/20 15:45	4.669	289.8	16.66	25.33	29.11	0
6/19/20 16:00	6.469	267.1	10.52	25.27	29.09	0
6/19/20 16:15	5.939	274.2	11.78	25.25	29.09	0
6/19/20 16:30	4.718	308	10.53	25.42	29.09	0
6/19/20 16:45	3.845	302.5	21.62	25.41	29.09	0
6/19/20 17:00	4.119	319.4	10.1	25.01	29.08	0
6/19/20 17:15	4.285	303.5	9.97	24.74	29.08	0
6/19/20 17:30	4.122	314.3	7.63	24.53	29.08	0
6/19/20 17:45	4.251	302.8	5.007	24.27	29.08	0
6/19/20 18:00	3.55	284.2	8.28	24.18	29.1	0
6/19/20 18:15	3.546	294.8	5.325	24.09	29.1	0
6/19/20 18:30	4.368	308.1	8.13	23.8	29.1	0
6/19/20 18:45	3.877	311.3	6.133	23.39	29.1	0
6/19/20 19:00	3.405	309.3	6.291	23.38	29.09	0
6/19/20 19:15	3.615	302.4	4.402	23.28	29.09	0
6/19/20 19:30	2.584	20.58	32.48	23.28	29.09	0
6/19/20 19:45	2.034	351.6	15.44	22.57	29.09	0
6/19/20 20:00	1.149	19	19.24	22.57	29.12	0
6/19/20 20:15	2.207	35.3	8.06	21.68	29.12	0
6/19/20 20:30	5.095	29.7	6.029	21.42	29.12	0
6/19/20 20:45	4.928	23.97	8.68	21.27	29.12	0
6/19/20 21:00	3.996	16.37	15.53	21.04	29.11	0
6/19/20 21:15	1.471	60.23	9.21	20.66	29.11	0
6/19/20 21:30	4.946	60.09	12.24	20.22	29.11	0
6/19/20 21:45	5.125	66.6	5.529	20.34	29.11	0
6/19/20 22:00	5.745	61.93	8.62	20.13	29.09	0
6/19/20 22:15	4.109	67.79	17.3	20.09	29.09	0
6/19/20 22:30	5.779	53.98	14.01	19.87	29.09	0
6/19/20 22:45	5.918	30.54	12.61	19.12	29.09	0
6/19/20 23:00	7.919	271.1	36.4	19.38	29.1	0
6/19/20 23:15	7.556	273.3	28.34	19.35	29.1	0
6/19/20 23:30	3.187	45.77	15.72	18.75	29.1	0
6/19/20 23:45	2.721	79.97	12.6	18.35	29.1	0
6/20/20 0:00	1.995	115.7	18.93	18.98	29.08	0
6/20/20 0:15	8.64	217.7	32.19	19.19	29.08	0
6/20/20 0:30	6.515	217.5	10.24	18.53	29.08	0
6/20/20 0:45	3.46	101.9	54.87	18.04	29.08	0
6/20/20 1:00	6.315	115.2	6.033	17.53	29.11	0
6/20/20 1:15	8.19	111.4	6.84	17.73	29.11	0
6/20/20 1:30	7.855	137.8	12.73	17.98	29.11	0
6/20/20 1:45	7.317	144.2	7.015	17.97	29.11	0
6/20/20 2:00	3.947	128.7	6.498	18.05	29.09	0
6/20/20 2:15	2.31	145.8	17.44	18.14	29.09	0
6/20/20 2:30	2.428	237	18.61	18.41	29.09	0
6/20/20 2:45	1.304	264.8	8.56	18	29.09	0
6/20/20 3:00	1.119	316.1	18.45	18.18	29.08	0
6/20/20 3:15	0.433	318.1	5.73	18.03	29.08	0
6/20/20 3:30	1.403	219.5	28.65	17.91	29.08	0
6/20/20 3:45	5.159	214	10.18	17.78	29.08	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/20/20 4:00	4.32	207.5	6.643	16.52	29.1	0
6/20/20 4:15	3.801	148.9	21.61	16.51	29.1	0
6/20/20 4:30	4.534	158.2	16.93	16.13	29.1	0
6/20/20 4:45	5.32	160.1	13.3	16.26	29.1	0
6/20/20 5:00	3.245	133.3	12.24	16.08	29.13	0
6/20/20 5:15	2.655	123.9	8.57	16.08	29.13	0
6/20/20 5:30	5.368	141.5	7.312	16.23	29.13	0
6/20/20 5:45	6.768	150.2	4.52	16.26	29.13	0
6/20/20 6:00	6.529	135.6	10.36	16.32	29.14	0
6/20/20 6:15	4.527	122.7	7.716	16.34	29.14	0
6/20/20 6:30	6.092	144.1	11.7	16.39	29.14	0
6/20/20 6:45	6.857	177.7	14.69	16.54	29.14	0
6/20/20 7:00	6.94	185.3	12.48	16.52	29.15	0
6/20/20 7:15	5.682	166.2	13.38	16.45	29.15	0
6/20/20 7:30	6.174	178.3	12.53	16.28	29.15	0
6/20/20 7:45	7.551	188.3	7.921	16.15	29.15	0
6/20/20 8:00	7.717	176.4	12.34	15.99	29.17	0
6/20/20 8:15	6.993	165.3	14.47	15.88	29.17	0
6/20/20 8:30	6.596	148.3	16.32	15.51	29.17	0
6/20/20 8:45	6.166	114.7	10.7	14.91	29.17	0
6/20/20 9:00	4.516	124.7	19.92	15.25	29.15	0
6/20/20 9:15	4.303	146.5	16.95	15.51	29.15	0
6/20/20 9:30	4.628	188.5	17.36	15.64	29.15	0
6/20/20 9:45	3.353	159.8	29.32	15.8	29.15	0
6/20/20 10:00	2.843	176.5	23.08	16.18	29.16	0
6/20/20 10:15	3.676	170.4	28.98	15.95	29.16	0.01
6/20/20 10:30	3.341	137.7	20.89	16.27	29.16	0
6/20/20 10:45	2.143	102.7	14.55	17.74	29.16	0
6/20/20 11:00	2.075	70.47	20.8	18.01	29.15	0
6/20/20 11:15	2.097	115.6	70.93	18.45	29.15	0
6/20/20 11:30	3.377	182.4	24.68	18.26	29.15	0
6/20/20 11:45	3.575	183.1	32.71	18.82	29.15	0
6/20/20 12:00	4.813	190.5	20.5	18.75	29.17	0
6/20/20 12:15	4.487	188.4	13.27	18.53	29.17	0
6/20/20 12:30	6.064	214.1	20.05	18.98	29.17	0
6/20/20 12:45	8.93	212.4	11.58	19.11	29.17	0
6/20/20 13:00	9.24	213.6	13.02	18.5	29.17	0
6/20/20 13:15	5.681	233.4	19.55	17.9	29.17	0
6/20/20 13:30	3.049	232	28.42	18.36	29.17	0
6/20/20 13:45	2.765	205	42.32	18.22	29.17	0
6/20/20 14:00	4.174	201.3	19.77	18.73	29.19	0
6/20/20 14:15	6.339	159.3	15.04	18.79	29.19	0
6/20/20 14:30	7.15	155	14.21	19.21	29.19	0
6/20/20 14:45	6.206	157.1	15.27	19.14	29.19	0
6/20/20 15:00	6.125	134	14.58	19.28	29.19	0
6/20/20 15:15	5.511	144.7	17.31	20.15	29.19	0
6/20/20 15:30	6.911	179.6	20.63	20.79	29.19	0
6/20/20 15:45	6.124	218.9	24.67	20.69	29.19	0
6/20/20 16:00	7.822	214.5	20.78	21.04	29.16	0
6/20/20 16:15	9.91	201.8	9.53	20.98	29.16	0
6/20/20 16:30	8.64	213.1	18.82	21.61	29.16	0
6/20/20 16:45	9.57	241	18.26	20.96	29.16	0
6/20/20 17:00	11.39	248.4	10.88	20.9	29.19	0
6/20/20 17:15	14.67	252.2	9.65	19.45	29.19	0
6/20/20 17:30	11.22	248	9.06	18.77	29.19	0
6/20/20 17:45	8.62	241.2	11.8	18.38	29.19	0
6/20/20 18:00	4.705	240	18.9	18.59	29.18	0
6/20/20 18:15	3.022	194.6	23.53	18.75	29.18	0
6/20/20 18:30	4.217	216.2	13.29	18.66	29.18	0
6/20/20 18:45	4.984	222	17.49	18.61	29.18	0
6/20/20 19:00	6.108	245.8	10.15	18.57	29.18	0
6/20/20 19:15	7.207	255.4	8.36	18.32	29.18	0
6/20/20 19:30	9.6	260.1	9.64	18.18	29.18	0
6/20/20 19:45	8.43	252.2	8.07	17.76	29.18	0
6/20/20 20:00	6.856	264.4	8.58	17.58	29.2	0
6/20/20 20:15	7.656	260.9	7.889	17.28	29.2	0
6/20/20 20:30	7.351	257.2	11.35	17.05	29.2	0
6/20/20 20:45	8.31	258.6	10.79	16.88	29.2	0
6/20/20 21:00	9.53	246.3	8.13	16.59	29.22	0
6/20/20 21:15	8.88	245.2	10.41	16.6	29.22	0
6/20/20 21:30	10.07	239	12.37	16.45	29.22	0
6/20/20 21:45	7.37	223.6	7.922	16.37	29.22	0
6/20/20 22:00	7.435	218.7	11.28	16.28	29.23	0
6/20/20 22:15	6.803	225.4	7.09	16.15	29.23	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/20/20 22:30	6.636	215.7	9.1	16.17	29.23	0
6/20/20 22:45	9.28	212.6	7.611	16.04	29.23	0
6/20/20 23:00	5.861	219.9	7.881	15.95	29.25	0
6/20/20 23:15	5.244	199.1	10.43	15.84	29.25	0
6/20/20 23:30	6.183	194.1	12.57	15.75	29.25	0
6/20/20 23:45	6.652	180.6	13.48	15.56	29.25	0
6/21/20 0:00	6.871	188.6	11.75	15.36	29.23	0
6/21/20 0:15	7.024	190.5	14.23	15.25	29.23	0
6/21/20 0:30	5.992	203.9	9.87	15.13	29.23	0
6/21/20 0:45	5.773	184.9	10.81	15.04	29.23	0
6/21/20 1:00	7.889	195.2	10.38	14.93	29.25	0
6/21/20 1:15	5.947	194.3	10.45	14.8	29.25	0
6/21/20 1:30	5.957	191.4	6.763	14.78	29.25	0
6/21/20 1:45	6.673	193.1	6.539	14.69	29.25	0
6/21/20 2:00	7.136	201.5	6.709	14.65	29.24	0
6/21/20 2:15	5.768	200.4	10.72	14.53	29.24	0
6/21/20 2:30	4.894	178	10.31	14.36	29.24	0
6/21/20 2:45	3.838	191.7	8.29	14.24	29.24	0
6/21/20 3:00	4.813	172.1	12.34	14.21	29.26	0
6/21/20 3:15	3.366	162	9.28	14.2	29.26	0
6/21/20 3:30	2.877	142.7	12.24	14.04	29.26	0
6/21/20 3:45	4.65	187	9.51	14.32	29.26	0
6/21/20 4:00	5.492	191.8	7.234	14.31	29.27	0
6/21/20 4:15	5.778	197.7	7.767	14.17	29.27	0
6/21/20 4:30	6.253	199.6	7.462	14.2	29.27	0
6/21/20 4:45	6.471	194.4	12.8	14.2	29.27	0
6/21/20 5:00	6.26	193.3	8.07	14.02	29.26	0
6/21/20 5:15	5.425	193.7	6.446	14.06	29.26	0
6/21/20 5:30	4.628	186.8	12.22	14.06	29.26	0
6/21/20 5:45	5.576	192.6	12.14	14.03	29.26	0
6/21/20 6:00	5.765	196.1	5.903	14.15	29.27	0
6/21/20 6:15	5.48	188.3	9.94	14.22	29.27	0
6/21/20 6:30	4.993	183.8	11.16	14.55	29.27	0
6/21/20 6:45	4.804	193.7	18.23	14.86	29.27	0
6/21/20 7:00	6.586	197.8	14.29	14.77	29.3	0
6/21/20 7:15	6.339	193.9	11.82	14.78	29.3	0
6/21/20 7:30	5.489	201.7	17.51	14.93	29.3	0
6/21/20 7:45	6.244	192.8	13.37	15.01	29.3	0
6/21/20 8:00	6.721	196.2	10.71	15.27	29.3	0
6/21/20 8:15	6.462	214.7	17.89	15.38	29.3	0
6/21/20 8:30	5.812	188.8	15.52	15.21	29.3	0
6/21/20 8:45	6.358	211.8	12.22	15.68	29.3	0
6/21/20 9:00	6.821	208.8	14.11	15.77	29.3	0
6/21/20 9:15	5.779	217.4	14.06	15.86	29.3	0
6/21/20 9:30	7.829	240.5	12.53	15.89	29.3	0
6/21/20 9:45	3.832	258.7	22.27	15.52	29.3	0
6/21/20 10:00	2.941	267.9	18.97	15.69	29.33	0
6/21/20 10:15	5.719	276.5	12.69	15.82	29.33	0
6/21/20 10:30	7.02	262.8	10.99	16.17	29.33	0
6/21/20 10:45	7.112	239.6	24.55	16.98	29.33	0
6/21/20 11:00	5.894	227.7	19.42	16.82	29.33	0
6/21/20 11:15	5.345	210.3	42.93	17.1	29.33	0
6/21/20 11:30	5.821	215	24.05	17.22	29.33	0
6/21/20 11:45	4.755	218	31	17.18	29.33	0
6/21/20 12:00	4.864	245.3	57.68	17.74	29.35	0
6/21/20 12:15	5.499	164.1	44.16	18.04	29.35	0
6/21/20 12:30	7.458	244.4	20.05	17.35	29.35	0
6/21/20 12:45	6.331	238.7	19.9	17.95	29.35	0
6/21/20 13:00	6.785	245.8	28.54	18.36	29.34	0
6/21/20 13:15	4.148	208.2	41.79	18.4	29.34	0
6/21/20 13:30	7.026	246.6	13	18.15	29.34	0
6/21/20 13:45	5.994	254.1	14.54	18.38	29.34	0
6/21/20 14:00	7.756	266.9	22.11	18.33	29.33	0
6/21/20 14:15	8.05	242.1	13.42	18.55	29.33	0
6/21/20 14:30	6.548	259.8	24.11	18.56	29.33	0
6/21/20 14:45	4.99	239.6	17.8	19.01	29.33	0
6/21/20 15:00	3.487	244.5	44.57	19.23	29.34	0
6/21/20 15:15	6.581	237	19.94	19.74	29.34	0
6/21/20 15:30	6.206	250.8	21.8	19.81	29.34	0
6/21/20 15:45	4.133	270.6	32.56	19.51	29.34	0
6/21/20 16:00	6.231	246.4	28.31	19.69	29.35	0
6/21/20 16:15	5.2	302.4	22.66	19.88	29.35	0
6/21/20 16:30	5.116	267.6	12.89	19.58	29.35	0
6/21/20 16:45	2.507	295	26.58	19.37	29.35	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/21/20 17:00	6.666	246.3	11.46	19.65	29.35	0
6/21/20 17:15	5.479	277.8	15.91	18.88	29.35	0
6/21/20 17:30	4.991	298.9	13.2	19.68	29.35	0
6/21/20 17:45	7.495	290.7	19.53	19.8	29.35	0
6/21/20 18:00	6.445	261.2	18.49	19.76	29.33	0
6/21/20 18:15	6.475	278.9	15.98	19.75	29.33	0
6/21/20 18:30	6.24	268.6	11.83	19.44	29.33	0
6/21/20 18:45	6.43	266.1	12.73	19.11	29.33	0
6/21/20 19:00	4.322	273	4.526	18.04	29.34	0
6/21/20 19:15	2.8	273.7	6.078	18.49	29.34	0
6/21/20 19:30	2.711	5.326	24.16	18.59	29.34	0
6/21/20 19:45	3.751	14.85	12.34	17.05	29.34	0
6/21/20 20:00	2.924	334.5	18.85	16.96	29.37	0
6/21/20 20:15	4.044	332.3	20.68	16.41	29.37	0
6/21/20 20:30	3.489	16.19	12.14	15.94	29.37	0
6/21/20 20:45	5.852	26	8.94	15.32	29.37	0
6/21/20 21:00	7.475	25.93	8.73	14.81	29.38	0
6/21/20 21:15	5.315	27.43	8.28	14.31	29.38	0
6/21/20 21:30	6.104	26.23	8.93	13.91	29.38	0
6/21/20 21:45	7.76	28.9	8.6	13.55	29.38	0
6/21/20 22:00	9.01	30.09	7.539	13.57	29.39	0
6/21/20 22:15	8.85	29.88	8.25	13.35	29.39	0
6/21/20 22:30	9.46	32.08	8.51	13.19	29.39	0
6/21/20 22:45	8.22	29.39	8.87	12.96	29.39	0
6/21/20 23:00	7.921	26.12	7.185	13	29.39	0
6/21/20 23:15	7.594	27.18	8.08	12.75	29.39	0
6/21/20 23:30	8.7	30.6	7.577	12.38	29.39	0
6/21/20 23:45	9.19	31.84	6.707	12.13	29.39	0
6/22/20 0:00	8.01	32.53	8.47	11.96	29.39	0
6/22/20 0:15	7.576	29.17	7.525	11.76	29.39	0
6/22/20 0:30	6.344	34.83	8.24	11.66	29.39	0
6/22/20 0:45	6.207	34.2	9.82	11.54	29.39	0
6/22/20 1:00	5.437	33.74	8.98	11.58	29.39	0
6/22/20 1:15	4.731	42.67	9.23	11.26	29.39	0
6/22/20 1:30	4.398	44.87	7.47	11.22	29.39	0
6/22/20 1:45	5.495	40.71	8.85	11.15	29.39	0
6/22/20 2:00	5.544	34.29	9.83	11.18	29.39	0
6/22/20 2:15	5.43	38.64	8.58	10.94	29.39	0
6/22/20 2:30	3.469	40.94	8.67	10.95	29.39	0
6/22/20 2:45	3.518	32.29	5.838	10.98	29.39	0
6/22/20 3:00	3.506	45.46	8.66	10.8	29.4	0
6/22/20 3:15	2.74	56.38	6.512	10.71	29.4	0
6/22/20 3:30	3.559	45.07	4.07	10.75	29.4	0
6/22/20 3:45	2.394	41.39	4.049	10.77	29.4	0
6/22/20 4:00	2.67	40.87	3.85	10.81	29.4	0
6/22/20 4:15	2.854	21.51	8.48	10.91	29.4	0
6/22/20 4:30	3.267	9.5	8.56	10.75	29.4	0
6/22/20 4:45	3.139	8.56	4.045	10.59	29.4	0
6/22/20 5:00	3.006	16.79	3.798	10.91	29.4	0
6/22/20 5:15	4.001	37	7.487	10.99	29.4	0
6/22/20 5:30	3.751	37.61	10.94	11.03	29.4	0
6/22/20 5:45	4.323	29.15	17.2	11.47	29.4	0
6/22/20 6:00	4.648	35.8	19.27	11.51	29.38	0
6/22/20 6:15	4.052	16.72	9.97	12.01	29.38	0
6/22/20 6:30	2.761	21.92	11.66	12.81	29.38	0
6/22/20 6:45	2.453	47.63	13.48	13.42	29.38	0
6/22/20 7:00	2.487	340.6	25.31	14.27	29.41	0
6/22/20 7:15	1.604	263.9	37.99	14.57	29.41	0
6/22/20 7:30	2.608	324.7	77.95	15.15	29.41	0
6/22/20 7:45	2.925	66.87	35.76	15.84	29.41	0
6/22/20 8:00	1.653	141.8	35.83	16.17	29.4	0
6/22/20 8:15	2.35	272	21.77	15.97	29.4	0
6/22/20 8:30	4.02	263.3	35.52	16.21	29.4	0
6/22/20 8:45	3.031	300.7	41.79	17.05	29.4	0
6/22/20 9:00	3.203	326.9	17.2	17.4	29.41	0
6/22/20 9:15	3.241	338.3	33.03	18.54	29.41	0
6/22/20 9:30	3.446	337.9	40.91	18.78	29.41	0
6/22/20 9:45	4.275	345.2	25.51	18.5	29.41	0
6/22/20 10:00	4.285	314.9	28.44	19.11	29.39	0
6/22/20 10:15	3.925	334.6	33.66	20.05	29.39	0
6/22/20 10:30	3.537	27.31	25.19	20.4	29.39	0
6/22/20 10:45	4.181	316.2	25.35	20.8	29.39	0
6/22/20 11:00	7.659	285.2	13.75	20.97	29.4	0
6/22/20 11:15	7.976	277.5	17.45	21.2	29.4	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/22/20 11:30	7.913	281.4	17.27	21.6	29.4	0
6/22/20 11:45	7.37	272.2	20.2	21.26	29.4	0
6/22/20 12:00	6.041	281.4	20.24	22.44	29.38	0
6/22/20 12:15	6.103	247.6	15.17	22.29	29.38	0
6/22/20 12:30	5.85	289.1	58.19	23.02	29.38	0
6/22/20 12:45	5.523	334.6	22	23.27	29.38	0
6/22/20 13:00	4.929	309.2	22.76	23.69	29.38	0
6/22/20 13:15	4.631	282.8	26.22	24.13	29.38	0
6/22/20 13:30	5.084	299.1	52.3	24.5	29.38	0
6/22/20 13:45	7.003	302.9	11.34	24.71	29.38	0
6/22/20 14:00	4.977	330.2	33.36	24.59	29.36	0
6/22/20 14:15	5.014	343.5	55.72	24.8	29.36	0
6/22/20 14:30	3.583	4.111	56.1	25.09	29.36	0
6/22/20 14:45	4.194	310.4	48.01	25.64	29.36	0
6/22/20 15:00	6.612	23.67	17.9	25.59	29.34	0
6/22/20 15:15	7.168	19.87	15.78	25.51	29.34	0
6/22/20 15:30	8.09	0.421	18.64	26.05	29.34	0
6/22/20 15:45	7.914	358.8	17.74	25.52	29.34	0
6/22/20 16:00	8.68	341.6	24.43	25.55	29.33	0
6/22/20 16:15	8.23	340.7	19.9	25.46	29.33	0
6/22/20 16:30	8.12	334.5	18.83	25.5	29.33	0
6/22/20 16:45	7.134	333	22.95	25.92	29.33	0
6/22/20 17:00	8.44	356.1	23.91	25.49	29.31	0
6/22/20 17:15	9.5	326.2	24.77	25.35	29.31	0
6/22/20 17:30	9.91	309.8	7.567	24.96	29.31	0
6/22/20 17:45	9.38	318.3	10.95	24.59	29.31	0
6/22/20 18:00	10.17	319.9	9.27	24.22	29.29	0
6/22/20 18:15	10.83	321.9	7.658	23.93	29.29	0
6/22/20 18:30	10	322.9	8.53	23.73	29.29	0
6/22/20 18:45	8.65	324.6	10.59	23.52	29.29	0
6/22/20 19:00	6.874	330.2	12.49	23.32	29.31	0
6/22/20 19:15	6.137	336.5	16.36	23.15	29.31	0
6/22/20 19:30	5.706	344.6	20.09	22.69	29.31	0
6/22/20 19:45	6.862	330.9	10.99	22.49	29.31	0
6/22/20 20:00	7.318	344.2	16.45	21.74	29.3	0
6/22/20 20:15	7.048	356.5	18.75	21.58	29.3	0
6/22/20 20:30	5.621	8.79	19.39	20.9	29.3	0
6/22/20 20:45	5.37	36.04	9.62	20.28	29.3	0
6/22/20 21:00	8.27	39.65	8.58	19.53	29.29	0
6/22/20 21:15	7.299	33.19	7.837	19.66	29.29	0
6/22/20 21:30	7.497	37.69	8.48	19.61	29.29	0
6/22/20 21:45	8.46	35.94	8.55	18.98	29.29	0
6/22/20 22:00	8.21	24.39	10.4	18.65	29.29	0
6/22/20 22:15	7.607	19.35	11.25	19.24	29.29	0
6/22/20 22:30	9.28	20.46	10.72	19.03	29.29	0
6/22/20 22:45	7.24	26.23	9.17	18.31	29.29	0
6/22/20 23:00	7.575	20.9	11.35	17.91	29.31	0
6/22/20 23:15	12.42	21.06	7.685	18.22	29.31	0
6/22/20 23:30	13.2	25.24	9.82	18.05	29.31	0
6/22/20 23:45	9.93	42.21	10.3	17.51	29.31	0
6/23/20 0:00	6.804	46.78	9.57	17.1	29.29	0
6/23/20 0:15	8.07	39.35	10.04	16.82	29.29	0
6/23/20 0:30	5.779	42.07	8.34	16.58	29.29	0
6/23/20 0:45	5.6	39.96	6.982	15.91	29.29	0
6/23/20 1:00	6.764	32.64	7.362	15.73	29.3	0
6/23/20 1:15	5.705	29.23	7.81	15.51	29.3	0
6/23/20 1:30	3.893	7.502	8.63	15.56	29.3	0
6/23/20 1:45	3.824	22.71	12.55	15.6	29.3	0
6/23/20 2:00	5.537	31.02	11.53	15.27	29.27	0
6/23/20 2:15	5.905	40.16	9.86	15.1	29.27	0
6/23/20 2:30	5.44	39.54	7.784	14.73	29.27	0
6/23/20 2:45	4.725	46.9	5.827	14.63	29.27	0
6/23/20 3:00	4.835	52.99	8.03	14.73	29.26	0
6/23/20 3:15	4.029	52.48	9.24	14.73	29.26	0
6/23/20 3:30	3.102	10.26	18.93	14.74	29.26	0
6/23/20 3:45	4.847	336.8	9.96	14.61	29.26	0
6/23/20 4:00	5.185	308.6	5.511	14.65	29.28	0
6/23/20 4:15	4.945	318	9.97	14.89	29.28	0
6/23/20 4:30	3.2	6.017	15.31	14.5	29.28	0
6/23/20 4:45	3.399	29.99	11.22	14.5	29.28	0
6/23/20 5:00	4.029	19.66	5.402	13.96	29.28	0
6/23/20 5:15	4.189	36.49	8.78	14.05	29.28	0
6/23/20 5:30	3.482	34.46	9.69	14.31	29.28	0
6/23/20 5:45	4.253	29.48	13.53	15.02	29.28	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/23/20 6:00	3.944	38.65	10.3	15.32	29.26	0
6/23/20 6:15	3.554	13.36	9.36	16.01	29.26	0
6/23/20 6:30	2.522	35.91	5.823	16.97	29.26	0
6/23/20 6:45	2.023	1.737	20.34	17.81	29.26	0
6/23/20 7:00	1.176	342.2	23.26	19.13	29.25	0
6/23/20 7:15	3.324	337.6	16.08	18.96	29.25	0
6/23/20 7:30	2.511	329.4	20.31	19.33	29.25	0
6/23/20 7:45	1.413	317.7	35.34	20.23	29.25	0
6/23/20 8:00	1.416	18.27	62.52	20.86	29.25	0
6/23/20 8:15	1.37	342	41.41	21.04	29.25	0
6/23/20 8:30	2.524	277	38.41	21.05	29.25	0
6/23/20 8:45	1.272	157.5	23.51	21.56	29.25	0
6/23/20 9:00	2.422	166.8	69.81	22.34	29.24	0
6/23/20 9:15	1.814	178.4	51.87	22.69	29.24	0
6/23/20 9:30	1.553	169.9	71.45	23.2	29.24	0
6/23/20 9:45	1.851	212.8	24.05	22.98	29.24	0
6/23/20 10:00	3.019	236.3	41.63	23.21	29.22	0
6/23/20 10:15	2.869	288.7	27.37	24.06	29.22	0
6/23/20 10:30	2.808	291.6	39.98	24.5	29.22	0
6/23/20 10:45	2.554	266.4	36.13	24.74	29.22	0
6/23/20 11:00	3.5	265.6	38.67	25.3	29.21	0
6/23/20 11:15	3.419	270.1	37.26	25.6	29.21	0
6/23/20 11:30	4.469	265.9	20.71	25.87	29.21	0
6/23/20 11:45	5.408	278.8	11.36	25.81	29.21	0
6/23/20 12:00	5.18	288.6	15.17	25.76	29.18	0
6/23/20 12:15	6.418	264.2	11.52	26.47	29.18	0
6/23/20 12:30	7.429	272.9	14.2	26.6	29.18	0
6/23/20 12:45	6.632	279.1	16.39	26.32	29.18	0
6/23/20 13:00	5.019	262.9	19.89	26.5	29.19	0
6/23/20 13:15	5.196	276.1	15.96	26.82	29.19	0
6/23/20 13:30	5.255	271	19.51	27.2	29.19	0
6/23/20 13:45	7.789	270.8	15.88	27.84	29.19	0
6/23/20 14:00	8.85	270.2	15.88	28.3	29.19	0
6/23/20 14:15	9.61	307.4	12.05	28.04	29.19	0
6/23/20 14:30	9.73	303.6	10.65	27.41	29.19	0
6/23/20 14:45	8.25	302.2	11.56	27.44	29.19	0
6/23/20 15:00	8.67	293.3	14.19	27.78	29.18	0
6/23/20 15:15	8.11	290.6	12.42	27.47	29.18	0
6/23/20 15:30	7.884	303.4	16.07	27.48	29.18	0
6/23/20 15:45	7.17	332.4	33.46	27.35	29.18	0
6/23/20 16:00	7.682	14.94	12.41	26.28	29.17	0
6/23/20 16:15	8.31	359.6	20.99	25.38	29.17	0
6/23/20 16:30	9.23	342.9	11.21	25.17	29.17	0
6/23/20 16:45	6.963	348.6	17.79	24.19	29.17	0
6/23/20 17:00	8.61	16.42	15.23	24.06	29.14	0
6/23/20 17:15	10.73	16.78	11.81	23.6	29.14	0
6/23/20 17:30	7.966	5.015	12.3	23.95	29.14	0
6/23/20 17:45	5.334	355.8	23.77	23.86	29.14	0
6/23/20 18:00	5.969	344.4	24.03	23.84	29.12	0
6/23/20 18:15	5.699	1.749	27.04	23.64	29.12	0
6/23/20 18:30	10.07	23.22	8.63	22.99	29.12	0
6/23/20 18:45	10.52	25.83	8.89	22.84	29.12	0
6/23/20 19:00	7.742	15.45	9.64	22.69	29.12	0
6/23/20 19:15	5.397	22.18	9.84	22.27	29.12	0
6/23/20 19:30	7.571	33.77	10.86	22.42	29.12	0
6/23/20 19:45	5.955	20.39	9.43	21.94	29.12	0
6/23/20 20:00	3.057	6.114	13.75	22.01	29.1	0
6/23/20 20:15	5.632	11.65	10.95	22.14	29.1	0
6/23/20 20:30	5.892	26.93	11.41	21.94	29.1	0
6/23/20 20:45	6.121	31.4	5.837	20.66	29.1	0
6/23/20 21:00	4.141	34.96	6.959	20.35	29.11	0
6/23/20 21:15	7.071	46.34	9.29	20.57	29.11	0
6/23/20 21:30	8.01	43.78	10.12	20.08	29.11	0
6/23/20 21:45	7.272	35.85	8.33	19.68	29.11	0
6/23/20 22:00	7.57	39.17	8.43	19.66	29.09	0
6/23/20 22:15	6.196	29.99	12.73	19.52	29.09	0
6/23/20 22:30	5.541	30.32	9.41	19.33	29.09	0
6/23/20 22:45	5.727	27.28	8.55	19.26	29.09	0
6/23/20 23:00	5.238	47.08	7.967	18.97	29.1	0
6/23/20 23:15	4.527	28.09	8.5	18.82	29.1	0
6/23/20 23:30	4.119	7.376	4.267	18.83	29.1	0
6/23/20 23:45	4.635	336.3	22.9	18.8	29.1	0
6/24/20 0:00	1.894	328.3	3.677	18.8	29.08	0
6/24/20 0:15	0.497	349.7	5.881	19.1	29.08	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/24/20 0:30	0.045	6.896	6.662	19.09	29.08	0
6/24/20 0:45	2.263	220.6	27.58	18.8	29.08	0
6/24/20 1:00	4.257	238.5	4.451	18.51	29.11	0
6/24/20 1:15	1.736	265.2	55.84	18.51	29.11	0
6/24/20 1:30	2.693	47.97	9.39	17.49	29.11	0
6/24/20 1:45	3.626	81.5	11.03	17.57	29.11	0
6/24/20 2:00	3.2	120.3	20.24	17.56	29.11	0
6/24/20 2:15	5.729	167.9	18.04	17.65	29.11	0
6/24/20 2:30	5.406	209.8	8.66	17.55	29.11	0
6/24/20 2:45	3.943	198.9	9.17	17.17	29.11	0
6/24/20 3:00	3.193	182.5	8.83	16.74	29.12	0
6/24/20 3:15	3.884	133.9	23.04	16.59	29.12	0
6/24/20 3:30	3.385	134	16.47	16.41	29.12	0
6/24/20 3:45	4.328	148.9	8.78	16.43	29.12	0
6/24/20 4:00	4.124	146.9	5.786	16.42	29.13	0
6/24/20 4:15	5.032	151.4	12.5	16.43	29.13	0
6/24/20 4:30	3.655	173.6	17.68	16.5	29.13	0
6/24/20 4:45	4.752	161.5	17.15	16.39	29.13	0
6/24/20 5:00	5.307	192.8	6.893	16.43	29.12	0
6/24/20 5:15	6.02	194.6	5.495	16.61	29.12	0
6/24/20 5:30	5.412	200.8	6.557	16.72	29.12	0
6/24/20 5:45	4.924	220.9	10.48	16.76	29.12	0
6/24/20 6:00	3.406	208.5	12.08	16.87	29.12	0
6/24/20 6:15	5.199	200.8	7.964	16.85	29.12	0
6/24/20 6:30	5.155	229.8	15.98	16.65	29.12	0
6/24/20 6:45	5.333	205.5	15.38	17.19	29.12	0
6/24/20 7:00	7.175	188.9	15.93	17.53	29.13	0
6/24/20 7:15	8.63	159	12.9	18.31	29.13	0
6/24/20 7:30	8.93	166.9	12.7	19.17	29.13	0
6/24/20 7:45	9.08	166.3	9.43	19.12	29.13	0
6/24/20 8:00	8.8	166.1	10.63	18.84	29.13	0
6/24/20 8:15	10.72	179.9	11.27	19.19	29.13	0
6/24/20 8:30	10.96	196.2	11.54	19.42	29.13	0
6/24/20 8:45	10.06	194.2	9.94	19.52	29.13	0
6/24/20 9:00	9.65	207.5	13.37	18.68	29.15	0
6/24/20 9:15	9.04	217.9	8.31	18.64	29.15	0
6/24/20 9:30	7.471	203.6	18.69	19.83	29.15	0
6/24/20 9:45	7.17	187	16.23	19.84	29.15	0
6/24/20 10:00	5.475	196.7	26.04	19.52	29.15	0
6/24/20 10:15	5.943	196.2	19.07	19.71	29.15	0
6/24/20 10:30	6.655	233.2	28.38	20.13	29.15	0
6/24/20 10:45	5.901	243.6	18.06	20.16	29.15	0
6/24/20 11:00	6.179	250.6	19.01	20.38	29.18	0
6/24/20 11:15	6.183	258	19.77	20.42	29.18	0
6/24/20 11:30	6.533	255.7	17.43	20.16	29.18	0
6/24/20 11:45	6.409	257	13.94	20.02	29.18	0
6/24/20 12:00	5.411	256.9	16.59	20.22	29.17	0
6/24/20 12:15	7.362	280.1	14.48	19.94	29.17	0
6/24/20 12:30	6.762	280.8	14.36	19.9	29.17	0
6/24/20 12:45	4.226	268.9	12.48	19.81	29.17	0
6/24/20 13:00	5.453	269.5	17.73	19.95	29.18	0
6/24/20 13:15	5.79	289.8	13.44	20.28	29.18	0
6/24/20 13:30	6.557	312.7	21.27	20.56	29.18	0
6/24/20 13:45	3.838	340.9	24.02	20.63	29.18	0
6/24/20 14:00	3.43	232.4	54	20.98	29.18	0
6/24/20 14:15	3.132	205.5	56.64	22.32	29.18	0
6/24/20 14:30	4.533	259.5	33.89	23.02	29.18	0
6/24/20 14:45	4.698	247.4	38.42	22.81	29.18	0
6/24/20 15:00	6.226	304.5	18.59	22.71	29.15	0
6/24/20 15:15	5.319	328.3	25.7	22.97	29.15	0
6/24/20 15:30	6.687	295.9	23.85	22.92	29.15	0
6/24/20 15:45	7.534	318	19.95	23.03	29.15	0
6/24/20 16:00	6.425	312.9	18.5	22.62	29.18	0
6/24/20 16:15	6.27	326.8	14.62	23.09	29.18	0
6/24/20 16:30	4.213	322.3	23.62	23.56	29.18	0
6/24/20 16:45	6.603	334.8	14.4	23.61	29.18	0
6/24/20 17:00	6.955	10.73	24.6	23.41	29.14	0
6/24/20 17:15	7.937	358.4	13.34	22.15	29.14	0
6/24/20 17:30	8.1	353.4	11.87	21.84	29.14	0
6/24/20 17:45	8.08	351.4	12.49	21.95	29.14	0
6/24/20 18:00	7.796	356.1	13.56	22.13	29.16	0
6/24/20 18:15	9.63	359.6	14.5	22.32	29.16	0
6/24/20 18:30	9.7	346.3	10.01	21.9	29.16	0
6/24/20 18:45	8.18	350.8	12.63	22.16	29.16	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/24/20 19:00	8.47	354.9	15.2	22.2	29.16	0
6/24/20 19:15	8.69	342.1	9.85	21.58	29.16	0
6/24/20 19:30	6.108	2.381	12.7	21.35	29.16	0
6/24/20 19:45	6.387	344.1	13.05	21	29.16	0
6/24/20 20:00	5.864	325.4	17.89	20.69	29.19	0
6/24/20 20:15	6.707	311.4	10.04	20.23	29.19	0
6/24/20 20:30	7.323	308.8	8.49	20.09	29.19	0
6/24/20 20:45	7.153	297.9	11.09	19.8	29.19	0
6/24/20 21:00	5.86	283.6	14.08	19.53	29.19	0
6/24/20 21:15	6.253	289.5	27.45	19.33	29.19	0
6/24/20 21:30	7.826	19.58	17.64	19.16	29.19	0
6/24/20 21:45	9.35	24.79	9.39	18.59	29.19	0
6/24/20 22:00	10.25	23.75	10.71	17.93	29.18	0
6/24/20 22:15	8.33	358.8	17.23	17.73	29.18	0
6/24/20 22:30	3.494	16.11	17.11	17.23	29.18	0
6/24/20 22:45	3.376	8.61	9.27	17.42	29.18	0
6/24/20 23:00	4.478	349.3	13.43	17.07	29.2	0
6/24/20 23:15	5.121	332.6	15.48	17.01	29.2	0
6/24/20 23:30	2.984	318	19.82	16.22	29.2	0
6/24/20 23:45	6.296	8.59	14.16	16.27	29.2	0
6/25/20 0:00	10.52	18.85	4.86	16.15	29.24	0
6/25/20 0:15	7.064	26.45	7.582	15.78	29.24	0
6/25/20 0:30	6.867	24.65	9.22	15.45	29.24	0
6/25/20 0:45	4.745	41.46	11.47	15.15	29.24	0
6/25/20 1:00	3.41	39.38	8.31	15.02	29.24	0
6/25/20 1:15	2.797	333.2	39.97	15.03	29.24	0
6/25/20 1:30	2.987	28.2	65.84	14.98	29.24	0
6/25/20 1:45	6.512	35.5	10.35	14.38	29.24	0
6/25/20 2:00	6.296	30.16	6.177	14.09	29.25	0
6/25/20 2:15	5.352	42.18	5.267	14.1	29.25	0
6/25/20 2:30	3.932	44.85	7.481	13.92	29.25	0
6/25/20 2:45	0.958	14.98	25.61	14.01	29.25	0
6/25/20 3:00	0.979	208.8	61.37	14.22	29.27	0
6/25/20 3:15	1.498	103.3	20.35	14.2	29.27	0
6/25/20 3:30	2.338	89.2	15.97	13.59	29.27	0
6/25/20 3:45	2.939	116.3	13.63	13.34	29.27	0
6/25/20 4:00	3.703	142.8	21.42	13.26	29.27	0
6/25/20 4:15	4.369	177.9	15.39	13.39	29.27	0
6/25/20 4:30	4.461	202.4	4.001	13.46	29.27	0
6/25/20 4:45	3.051	231.2	27.75	13.63	29.27	0
6/25/20 5:00	0.875	318.3	8.28	13.5	29.28	0
6/25/20 5:15	0.932	84.5	63.44	13.34	29.28	0
6/25/20 5:30	2.542	204	25.02	13.46	29.28	0
6/25/20 5:45	2.583	213.2	20.89	13.52	29.28	0
6/25/20 6:00	1.983	207.6	7.987	13.88	29.29	0
6/25/20 6:15	0.998	233.8	11.14	14.5	29.29	0
6/25/20 6:30	0.173	288.7	45.14	15.81	29.29	0
6/25/20 6:45	1.694	205	31.92	15.97	29.29	0
6/25/20 7:00	1.586	217.7	40.35	15.59	29.27	0
6/25/20 7:15	1.845	313.6	15.92	16.04	29.27	0
6/25/20 7:30	2.06	332.2	15.44	16.58	29.27	0
6/25/20 7:45	2.331	346.1	24.18	17.13	29.27	0
6/25/20 8:00	2.701	338.4	16.12	17.86	29.29	0
6/25/20 8:15	2.997	0.023	37.36	18.34	29.29	0
6/25/20 8:30	4.22	330	52.61	19.12	29.29	0
6/25/20 8:45	4.171	347.6	38.06	19.31	29.29	0
6/25/20 9:00	3.955	350.9	29.22	19.09	29.3	0
6/25/20 9:15	4.889	339.6	30.13	20.04	29.3	0
6/25/20 9:30	5.87	323.3	20.26	20.09	29.3	0
6/25/20 9:45	8.24	324.9	10.53	20.25	29.3	0
6/25/20 10:00	7.525	313.7	14.37	20.68	29.3	0
6/25/20 10:15	6.576	314.8	20.37	20.68	29.3	0
6/25/20 10:30	4.546	349.6	28.71	21.25	29.3	0
6/25/20 10:45	4.726	315.3	31.28	21.75	29.3	0
6/25/20 11:00	5.321	312.1	27.36	21.82	29.28	0
6/25/20 11:15	6.698	314.3	23.71	22.37	29.28	0
6/25/20 11:30	6.057	320.1	26.2	22.58	29.28	0
6/25/20 11:45	4.899	308.1	21.78	22.64	29.28	0
6/25/20 12:00	5.067	302.4	18.48	23.11	29.27	0
6/25/20 12:15	6.041	335.3	36.59	23.34	29.27	0
6/25/20 12:30	7.532	314.9	22.53	23.8	29.27	0
6/25/20 12:45	8.38	308.5	12.82	23.67	29.27	0
6/25/20 13:00	8.65	297	16.43	23.88	29.27	0
6/25/20 13:15	8.28	315.6	13.46	24.59	29.27	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/25/20 13:30	7.213	320.3	16.45	24.69	29.27	0
6/25/20 13:45	6.196	329.6	25.91	25.13	29.27	0
6/25/20 14:00	7.03	313.7	23.89	25.12	29.25	0
6/25/20 14:15	5.587	312.3	23.15	25.42	29.25	0
6/25/20 14:30	7.619	328.7	19.75	25.33	29.25	0
6/25/20 14:45	6.334	309.2	22.51	25.38	29.25	0
6/25/20 15:00	6.703	323.3	30.4	25.63	29.24	0
6/25/20 15:15	6.502	4.494	23.35	26.14	29.24	0
6/25/20 15:30	5.799	336.7	28.02	25.79	29.24	0
6/25/20 15:45	8.23	328.7	13.29	25.82	29.24	0
6/25/20 16:00	7.988	345.9	22.23	25.92	29.23	0
6/25/20 16:15	6.753	11.42	22.28	25.36	29.23	0
6/25/20 16:30	8.16	324.6	20.39	25.49	29.23	0
6/25/20 16:45	8.7	312.4	10.87	25.29	29.23	0
6/25/20 17:00	10.91	320.1	10.86	25.24	29.22	0
6/25/20 17:15	8.09	309.8	13.79	25.28	29.22	0
6/25/20 17:30	9.36	309.3	11.64	25.09	29.22	0
6/25/20 17:45	8.86	315.7	8.29	24.9	29.22	0
6/25/20 18:00	8.71	320.4	7.12	24.88	29.2	0
6/25/20 18:15	10.39	324.2	6.731	24.48	29.2	0
6/25/20 18:30	9.17	326	6.798	24.27	29.2	0
6/25/20 18:45	10.11	331.5	7.048	23.99	29.2	0
6/25/20 19:00	8.06	332.8	7.044	23.55	29.2	0
6/25/20 19:15	5.769	347	7.746	23.48	29.2	0
6/25/20 19:30	7.317	345	9.1	23.06	29.2	0
6/25/20 19:45	5.969	327.7	5.915	22.49	29.2	0
6/25/20 20:00	6.786	322.7	3.788	21.89	29.2	0
6/25/20 20:15	6.274	328.2	4.276	21.56	29.2	0
6/25/20 20:30	3.084	334.5	5.569	20.94	29.2	0
6/25/20 20:45	4.848	337.5	8.24	20.82	29.2	0
6/25/20 21:00	4.269	17.13	18.2	20.41	29.22	0
6/25/20 21:15	5.395	21.73	13.35	20.31	29.22	0
6/25/20 21:30	4.872	351.5	21.1	20.28	29.22	0
6/25/20 21:45	6.595	9.15	17.54	20.27	29.22	0
6/25/20 22:00	7.181	15.95	12	19.65	29.23	0
6/25/20 22:15	9.67	20.97	9.81	19.36	29.23	0
6/25/20 22:30	8.76	26.56	5.681	18.43	29.23	0
6/25/20 22:45	9.16	23.52	6.72	18.45	29.23	0
6/25/20 23:00	8.98	26.14	9.54	18.74	29.23	0
6/25/20 23:15	10.41	36.78	8.72	18.17	29.23	0
6/25/20 23:30	11.39	37.43	8.68	17.96	29.23	0
6/25/20 23:45	15.47	22.28	5.92	17.62	29.23	0
6/26/20 0:00	15.58	19.74	7.008	17.6	29.23	0
6/26/20 0:15	15.5	18.35	6.631	17.35	29.23	0
6/26/20 0:30	12.84	19.5	6.884	17.29	29.23	0
6/26/20 0:45	8.74	23.32	7.475	17.27	29.23	0
6/26/20 1:00	7.27	33.62	6.348	16.92	29.23	0
6/26/20 1:15	4.46	31.53	10.02	16.83	29.23	0
6/26/20 1:30	3.713	36.31	10.67	16.83	29.23	0
6/26/20 1:45	5.531	28.59	6.664	16.56	29.23	0
6/26/20 2:00	5.785	40.09	7.787	16.43	29.26	0
6/26/20 2:15	5.508	30.37	7.873	16.28	29.26	0
6/26/20 2:30	5.699	32.64	8.88	15.64	29.26	0
6/26/20 2:45	6.42	12.92	6.787	15.89	29.26	0
6/26/20 3:00	5.075	24.34	12.01	15.56	29.24	0
6/26/20 3:15	2.308	112.2	26.76	15.2	29.24	0
6/26/20 3:30	1.597	85.1	22.2	15.78	29.24	0
6/26/20 3:45	3.503	163.5	19.98	15.58	29.24	0
6/26/20 4:00	4.123	171.2	10.65	15.59	29.25	0
6/26/20 4:15	4.98	166.8	5.891	15.6	29.25	0
6/26/20 4:30	4.853	175.7	9.93	15.25	29.25	0
6/26/20 4:45	4.428	158.8	4.609	15.17	29.25	0
6/26/20 5:00	4.857	154.8	4.409	15.41	29.26	0
6/26/20 5:15	2.973	122.6	14.46	15.42	29.26	0
6/26/20 5:30	1.549	106.8	11.68	15.67	29.26	0
6/26/20 5:45	1.516	182.7	45.26	16.01	29.26	0
6/26/20 6:00	2.357	182	11.71	16.19	29.25	0
6/26/20 6:15	1.998	150.9	14.31	17.19	29.25	0
6/26/20 6:30	3.277	138.8	11.04	17.26	29.25	0
6/26/20 6:45	3.464	146.2	14.16	17.51	29.25	0
6/26/20 7:00	2.111	169.9	28.64	18.06	29.25	0
6/26/20 7:15	2.676	202.4	19.26	17.96	29.25	0
6/26/20 7:30	2.48	156.3	24.33	18.8	29.25	0
6/26/20 7:45	3.358	161.6	26.33	19.33	29.25	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/26/20 8:00	1.941	129.3	41.72	19.68	29.25	0
6/26/20 8:15	3.511	211.3	24.26	19.75	29.25	0
6/26/20 8:30	2.612	247	31.59	19.95	29.25	0
6/26/20 8:45	3.166	256.4	40.3	20.76	29.25	0
6/26/20 9:00	3.161	241.6	19.45	20.81	29.24	0
6/26/20 9:15	1.829	283.2	25.98	21.64	29.24	0
6/26/20 9:30	1.675	340.8	79.27	22.04	29.24	0
6/26/20 9:45	3.492	279.4	56.53	22.07	29.24	0
6/26/20 10:00	2.875	275	29.02	22.27	29.21	0
6/26/20 10:15	3.739	251.5	39.18	23.13	29.21	0
6/26/20 10:30	3.505	288.5	23.34	23.09	29.21	0
6/26/20 10:45	4.049	303.6	42.29	23.93	29.21	0
6/26/20 11:00	6.078	290.1	20.26	24.34	29.23	0
6/26/20 11:15	6.898	297.3	31.7	24.35	29.23	0
6/26/20 11:30	4.884	291	30.89	24.9	29.23	0
6/26/20 11:45	4.861	297.9	29.78	25.17	29.23	0
6/26/20 12:00	5.836	273.2	26.98	25.08	29.22	0
6/26/20 12:15	7.388	271.5	23.09	25.17	29.22	0
6/26/20 12:30	7.871	270.3	17.88	25.28	29.22	0
6/26/20 12:45	6.514	270.4	24.82	25.82	29.22	0
6/26/20 13:00	7.765	265.6	14.55	26.16	29.2	0
6/26/20 13:15	9.24	270.5	27.46	25.91	29.2	0
6/26/20 13:30	6.053	282.1	35.56	25.76	29.2	0
6/26/20 13:45	6.418	280	31.51	26.39	29.2	0
6/26/20 14:00	6.502	262.2	20.45	26.47	29.21	0
6/26/20 14:15	8.03	276.4	14.42	26.27	29.21	0
6/26/20 14:30	6.204	283	16.19	25.86	29.21	0
6/26/20 14:45	6.209	294.1	16.23	26.36	29.21	0
6/26/20 15:00	6.683	265.8	19.42	26.75	29.19	0
6/26/20 15:15	7.523	241	16.78	26.79	29.19	0
6/26/20 15:30	7.435	255.5	23.84	26.56	29.19	0
6/26/20 15:45	7.761	285.8	21.65	26.31	29.19	0
6/26/20 16:00	5.542	273.5	18.06	25.46	29.2	0
6/26/20 16:15	5.992	270.7	12.94	25.49	29.2	0
6/26/20 16:30	7.702	299.2	27.26	25.12	29.2	0
6/26/20 16:45	11.45	5.51	17.03	23.75	29.2	0
6/26/20 17:00	9.71	17.51	12.26	22.7	29.2	0
6/26/20 17:15	8.85	19.6	10.56	22.46	29.2	0
6/26/20 17:30	8.35	15.66	12.58	22.35	29.2	0
6/26/20 17:45	7.288	9.91	12.83	22.22	29.2	0
6/26/20 18:00	8.77	12.94	8.73	21.69	29.18	0
6/26/20 18:15	8.53	9.5	12.2	21.5	29.18	0
6/26/20 18:30	4.128	25.81	14.21	21.35	29.18	0
6/26/20 18:45	5.038	22.67	8.6	21.36	29.18	0
6/26/20 19:00	6.023	12.56	7.428	21.24	29.15	0
6/26/20 19:15	9.22	23.75	6.185	20.88	29.15	0
6/26/20 19:30	4.987	2.37	17.37	20.9	29.15	0
6/26/20 19:45	5.702	5.509	19.77	20.88	29.15	0
6/26/20 20:00	6.376	20.65	20.35	20.64	29.16	0
6/26/20 20:15	6.194	6.317	22.77	19.84	29.16	0
6/26/20 20:30	11.47	16.26	13.44	19.05	29.16	0
6/26/20 20:45	10.04	18.52	15.06	18.57	29.16	0
6/26/20 21:00	6.44	26.03	18.35	18.35	29.16	0
6/26/20 21:15	7.305	28.11	19.46	18.16	29.16	0
6/26/20 21:30	8.31	46.56	16.66	17.92	29.16	0
6/26/20 21:45	7.447	16.82	17.76	17.85	29.16	0
6/26/20 22:00	7.188	21.37	17.05	17.64	29.19	0
6/26/20 22:15	8.71	20.79	15.33	17.2	29.19	0
6/26/20 22:30	9.13	26.4	19.75	16.97	29.19	0
6/26/20 22:45	11.52	42.03	16.43	16.61	29.19	0
6/26/20 23:00	11.73	33.73	19.05	16.35	29.18	0
6/26/20 23:15	13.25	27.68	15.21	16.06	29.18	0
6/26/20 23:30	10.17	33.54	18.59	15.87	29.18	0
6/26/20 23:45	8.81	23.26	11.77	15.89	29.18	0
6/27/20 0:00	8.46	24.43	10.91	15.92	29.19	0
6/27/20 0:15	8.42	19.58	9.91	15.82	29.19	0
6/27/20 0:30	7.238	23.75	16.34	15.64	29.19	0
6/27/20 0:45	8.92	12.23	15.92	15.53	29.19	0
6/27/20 1:00	8.98	13.82	11.68	15.36	29.18	0
6/27/20 1:15	9.6	13.08	11.5	15.27	29.18	0
6/27/20 1:30	9.18	18.16	11.76	14.98	29.18	0
6/27/20 1:45	7.939	18.02	12.68	14.93	29.18	0
6/27/20 2:00	6.97	3.966	13.23	15	29.18	0
6/27/20 2:15	6.651	355.4	12.12	14.89	29.18	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/27/20 2:30	6.755	7.666	12.83	14.74	29.18	0
6/27/20 2:45	10.33	6.225	12.36	14.74	29.18	0
6/27/20 3:00	8.94	356.3	12.24	14.65	29.18	0
6/27/20 3:15	9.68	0.593	13.87	14.38	29.18	0
6/27/20 3:30	11.52	1.41	11.5	14.16	29.18	0
6/27/20 3:45	8.83	4.815	9.8	14.07	29.18	0
6/27/20 4:00	8.06	6.508	11.17	13.75	29.18	0
6/27/20 4:15	7.84	12.06	11.82	13.68	29.18	0
6/27/20 4:30	7.677	14.21	9.3	13.43	29.18	0
6/27/20 4:45	6.297	11.28	11.43	13.38	29.18	0
6/27/20 5:00	6.218	5.469	17.97	13.27	29.17	0
6/27/20 5:15	5.726	360	14.74	13.19	29.17	0
6/27/20 5:30	6.018	2.08	15.13	13.08	29.17	0
6/27/20 5:45	4.361	24.71	26.97	13.14	29.17	0
6/27/20 6:00	4.75	17.48	20.26	13.09	29.17	0
6/27/20 6:15	6.1	27.12	11.18	12.98	29.17	0
6/27/20 6:30	6.139	33.31	10.62	12.62	29.17	0
6/27/20 6:45	5.658	28.12	12.31	12.6	29.17	0
6/27/20 7:00	5.976	27.91	11.66	12.31	29.16	0
6/27/20 7:15	5.302	36.42	10.56	12.13	29.16	0
6/27/20 7:30	3.628	76.91	28.65	11.78	29.16	0.02
6/27/20 7:45	4.857	51.76	96.8	11.88	29.16	0.07
6/27/20 8:00	3.55	50.86	63.68	12.08	29.18	0.03
6/27/20 8:15	2.494	41.76	74.92	12.23	29.18	0.01
6/27/20 8:30	1.172	46.72	6.792	12.08	29.18	0.01
6/27/20 8:45	2.99	324	85.7	12.4	29.18	0.02
6/27/20 9:00	4.507	178.6	36.48	12.83	29.19	0
6/27/20 9:15	8.3	202.2	9.43	12.98	29.19	0
6/27/20 9:30	7.995	202.8	10.03	13.06	29.19	0
6/27/20 9:45	6.713	214.5	11.64	13.33	29.19	0
6/27/20 10:00	5.172	219.8	15.85	13.39	29.19	0
6/27/20 10:15	5.472	224.8	11.91	13.64	29.19	0
6/27/20 10:30	4.571	243.2	9.8	13.64	29.19	0
6/27/20 10:45	6.094	245.9	19.17	13.74	29.19	0
6/27/20 11:00	6.442	249.5	10.6	13.57	29.18	0
6/27/20 11:15	4.369	245.1	13.39	13.72	29.18	0
6/27/20 11:30	5.198	240.7	14.05	14.25	29.18	0
6/27/20 11:45	5.623	232.5	14.41	14.4	29.18	0
6/27/20 12:00	5.735	252.4	10.91	14.07	29.2	0
6/27/20 12:15	6.301	272.9	18.97	13.89	29.2	0
6/27/20 12:30	5.564	298.7	9.84	13.46	29.2	0
6/27/20 12:45	3.347	321.2	6.59	13.26	29.2	0
6/27/20 13:00	4.943	213.8	29.71	13.85	29.18	0
6/27/20 13:15	3.56	80.8	74.1	13.96	29.18	0
6/27/20 13:30	2.245	55.37	11.86	13.07	29.18	0
6/27/20 13:45	2.826	54.25	10.74	13.23	29.18	0
6/27/20 14:00	3.798	46.7	6.823	13.22	29.15	0
6/27/20 14:15	4.522	34.05	5.334	13.15	29.15	0
6/27/20 14:30	4.072	28.64	6.896	13.01	29.15	0
6/27/20 14:45	4.621	34.57	5.504	12.79	29.15	0
6/27/20 15:00	4.412	32.91	6.476	12.73	29.14	0
6/27/20 15:15	4.19	28.7	7.836	12.82	29.14	0
6/27/20 15:30	4.271	27.65	8.35	12.83	29.14	0
6/27/20 15:45	3.767	29.19	12.93	12.83	29.14	0
6/27/20 16:00	3.465	32.89	8.77	12.96	29.14	0
6/27/20 16:15	4.247	27.71	5.943	12.69	29.14	0
6/27/20 16:30	4.469	29.96	6.721	12.52	29.14	0
6/27/20 16:45	4.632	31.89	5.524	12.4	29.14	0
6/27/20 17:00	4.239	33.3	6.795	12.29	29.14	0
6/27/20 17:15	5.499	32.04	8.45	12.22	29.14	0
6/27/20 17:30	5.521	35.35	8.2	12.25	29.14	0
6/27/20 17:45	4.822	36.97	8.33	12.17	29.14	0
6/27/20 18:00	5.167	46.6	9.06	12.06	29.12	0
6/27/20 18:15	4.326	42.16	8.1	12	29.12	0
6/27/20 18:30	3.574	43.06	15.51	12.04	29.12	0
6/27/20 18:45	2.61	38.16	14.02	12.07	29.12	0
6/27/20 19:00	2.154	32.04	51.74	12.81	29.1	0
6/27/20 19:15	3.517	182	42.75	13.77	29.1	0
6/27/20 19:30	2.149	26.74	76.61	13.08	29.1	0
6/27/20 19:45	7.163	192	10.5	13.72	29.1	0
6/27/20 20:00	7.447	186.1	11.54	13.65	29.08	0
6/27/20 20:15	7.95	186	9.72	13.55	29.08	0
6/27/20 20:30	7.108	186.2	8.87	13.39	29.08	0
6/27/20 20:45	7.786	198.3	13.56	13.37	29.08	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/27/20 21:00	7.039	215.6	10.12	13.34	29.08	0
6/27/20 21:15	11.44	225.1	10.28	13.29	29.08	0
6/27/20 21:30	8.58	229.5	7.73	13	29.08	0
6/27/20 21:45	9.88	220.8	15.47	12.96	29.08	0
6/27/20 22:00	8.52	212.8	11.89	12.82	29.06	0
6/27/20 22:15	10.85	204.5	14.19	12.61	29.06	0
6/27/20 22:30	12.36	192.8	11.48	12.33	29.06	0
6/27/20 22:45	10.53	193.7	11.31	12.11	29.06	0
6/27/20 23:00	8.13	187.2	12.87	11.99	29.07	0
6/27/20 23:15	8.03	183.4	8.89	11.84	29.07	0
6/27/20 23:30	7.128	184.1	11.46	11.64	29.07	0.01
6/27/20 23:45	4.788	175.4	10.84	11.35	29.07	0
6/28/20 0:00	3.134	117.3	61.2	11.04	29.05	0.01
6/28/20 0:15	1.926	13.99	41.93	10.28	29.05	0.03
6/28/20 0:30	2.063	8.34	7.483	10.07	29.05	0.03
6/28/20 0:45	3.372	46.65	11.58	9.97	29.05	0.04
6/28/20 1:00	3.774	58.38	6.443	9.89	29.06	0.03
6/28/20 1:15	4.122	66.83	8.7	9.85	29.06	0.02
6/28/20 1:30	4.363	74.33	8.98	9.77	29.06	0.03
6/28/20 1:45	6.004	96.9	6.898	9.67	29.06	0.03
6/28/20 2:00	5.314	90.1	7.46	9.64	29.05	0
6/28/20 2:15	4.901	69	11.1	9.62	29.05	0.01
6/28/20 2:30	4.168	73.1	9.14	9.6	29.05	0
6/28/20 2:45	5.031	93.6	12.48	9.65	29.05	0
6/28/20 3:00	5.163	97	6.655	9.78	29.03	0
6/28/20 3:15	4.227	101	5.652	9.79	29.03	0
6/28/20 3:30	3.436	76.99	19.19	9.87	29.03	0
6/28/20 3:45	0.774	26.92	8.5	10.01	29.03	0
6/28/20 4:00	1.464	7.184	14.15	10.19	29.03	0
6/28/20 4:15	2.119	8.02	9.87	10.23	29.03	0
6/28/20 4:30	2.111	330.3	13.84	10.19	29.03	0
6/28/20 4:45	0.828	15.63	21.72	10.15	29.03	0
6/28/20 5:00	3.205	51.98	12.89	9.95	29.04	0
6/28/20 5:15	2.295	55.42	14.22	9.88	29.04	0
6/28/20 5:30	1.908	64.48	12.83	9.96	29.04	0.01
6/28/20 5:45	0.919	104.8	22.79	10.34	29.04	0
6/28/20 6:00	3.155	221.3	53.62	10.69	29.06	0
6/28/20 6:15	3.387	271.8	13.7	10.57	29.06	0
6/28/20 6:30	2.208	291.3	14.24	10.65	29.06	0
6/28/20 6:45	1.549	263.4	16.5	10.83	29.06	0
6/28/20 7:00	2.751	269.2	21.86	10.8	29.05	0
6/28/20 7:15	2.504	283.4	24.8	10.81	29.05	0
6/28/20 7:30	1.032	299.3	16.44	10.94	29.05	0
6/28/20 7:45	2.235	329	17.99	10.96	29.05	0
6/28/20 8:00	2.996	323.1	14.49	10.98	29.07	0
6/28/20 8:15	2.773	312.4	14.44	11.07	29.07	0
6/28/20 8:30	2.431	321.6	14.94	11.18	29.07	0
6/28/20 8:45	3.877	307.5	20.16	11.5	29.07	0
6/28/20 9:00	3.446	352.5	26.27	11.55	29.06	0
6/28/20 9:15	2.792	356.6	37.7	11.7	29.06	0
6/28/20 9:30	3.398	326.9	37.5	12.03	29.06	0
6/28/20 9:45	6.23	315.3	10.58	12.33	29.06	0
6/28/20 10:00	6.069	320.2	14.27	12.4	29.08	0
6/28/20 10:15	4.435	25.06	12.31	12.05	29.08	0
6/28/20 10:30	3.98	20.74	19.3	12.44	29.08	0
6/28/20 10:45	4.149	32.24	9.91	12.42	29.08	0
6/28/20 11:00	4.607	27.3	10.96	12.87	29.09	0
6/28/20 11:15	4.175	9.19	15.2	13.16	29.09	0
6/28/20 11:30	7.263	338.5	11.49	13.54	29.09	0
6/28/20 11:45	6.002	33.82	33.28	14.49	29.09	0
6/28/20 12:00	4.781	38.12	13.17	13.95	29.07	0
6/28/20 12:15	5.804	5.619	17.17	14.29	29.07	0
6/28/20 12:30	4.924	22.88	12.32	15	29.07	0
6/28/20 12:45	5.635	17.44	16.45	14.85	29.07	0
6/28/20 13:00	4.056	20.16	22.35	15.38	29.08	0
6/28/20 13:15	3.822	18.63	14.39	15.69	29.08	0
6/28/20 13:30	3.388	32.03	15.75	15.95	29.08	0
6/28/20 13:45	4.381	8.13	36.71	15.94	29.08	0
6/28/20 14:00	4.346	31.17	12.83	16.19	29.07	0
6/28/20 14:15	4.504	21.81	15.49	16.02	29.07	0
6/28/20 14:30	3.632	34.61	15.87	16.87	29.07	0
6/28/20 14:45	2.093	284.9	68.96	18.2	29.07	0
6/28/20 15:00	3.743	270	25.15	18.41	29.09	0
6/28/20 15:15	3.671	328.1	31.31	18.29	29.09	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/28/20 15:30	4.331	280.8	27.85	18.29	29.09	0
6/28/20 15:45	6.167	299.2	18.85	17.81	29.09	0
6/28/20 16:00	5.175	260.9	23.58	18.09	29.08	0
6/28/20 16:15	4.161	258.7	27.31	18.77	29.08	0
6/28/20 16:30	5.156	306.9	28.25	18.42	29.08	0
6/28/20 16:45	8.96	325.9	18.9	18.33	29.08	0
6/28/20 17:00	9.08	316.4	13.44	18.11	29.09	0
6/28/20 17:15	9.8	299.4	13.17	18.66	29.09	0
6/28/20 17:30	6.561	329.4	22.53	18.18	29.09	0
6/28/20 17:45	3.692	337.6	27.05	18.27	29.09	0
6/28/20 18:00	2.162	7.019	23.81	17.37	29.09	0
6/28/20 18:15	3.538	63.22	33.06	17.48	29.09	0
6/28/20 18:30	2.005	81.1	13.18	17.97	29.09	0
6/28/20 18:45	3.019	70.77	12.9	17.62	29.09	0
6/28/20 19:00	0.646	69.18	2.779	18.44	29.09	0
6/28/20 19:15	0.726	26.2	6.667	19.06	29.09	0
6/28/20 19:30	1.783	22.09	5.986	17.49	29.09	0
6/28/20 19:45	1.945	43.11	26.37	17.43	29.09	0
6/28/20 20:00	2.267	77.02	2.824	16.99	29.09	0
6/28/20 20:15	3.823	104.5	18.34	16.37	29.09	0
6/28/20 20:30	2.183	73.23	25.86	16.35	29.09	0
6/28/20 20:45	2.005	55.28	16.67	15.32	29.09	0
6/28/20 21:00	1.389	64.25	15.3	15.44	29.12	0
6/28/20 21:15	2.813	51.78	27.19	15.42	29.12	0
6/28/20 21:30	3.185	67.67	23.56	14.78	29.12	0
6/28/20 21:45	1.524	48.44	5.77	15.19	29.12	0
6/28/20 22:00	0.938	111.6	13.11	14.98	29.12	0
6/28/20 22:15	1.994	50.33	18.4	14.02	29.12	0
6/28/20 22:30	3.294	74.34	8.09	13.92	29.12	0
6/28/20 22:45	3.358	82.2	3.81	14.03	29.12	0
6/28/20 23:00	1.193	70.09	8.74	14.82	29.12	0
6/28/20 23:15	1.366	74.82	10.72	13.97	29.12	0
6/28/20 23:30	1.302	97.7	5.424	14.23	29.12	0
6/28/20 23:45	1.983	74.59	3.525	14.45	29.12	0
6/29/20 0:00	2.93	183.4	73.07	14.34	29.15	0
6/29/20 0:15	3.43	200.7	8.83	13.14	29.15	0
6/29/20 0:30	7.092	190.1	7.208	12.4	29.15	0
6/29/20 0:45	6.792	171.8	7.248	12.13	29.15	0
6/29/20 1:00	5.978	151.3	10.68	12.07	29.14	0
6/29/20 1:15	3.748	132.3	14.8	11.87	29.14	0
6/29/20 1:30	3.078	118	11.54	11.81	29.14	0
6/29/20 1:45	3.417	108.1	24.68	11.74	29.14	0
6/29/20 2:00	3.125	95.2	10.74	11.18	29.16	0
6/29/20 2:15	4.07	136.6	15.77	11.65	29.16	0
6/29/20 2:30	4.767	163.1	10.11	12.12	29.16	0
6/29/20 2:45	5.308	168.9	7.493	11.84	29.16	0
6/29/20 3:00	4.248	150.1	10.37	11.47	29.16	0
6/29/20 3:15	3.951	148.4	16.91	11.57	29.16	0
6/29/20 3:30	4.592	163	5.144	11.51	29.16	0
6/29/20 3:45	4.742	154.1	13.69	11.29	29.16	0
6/29/20 4:00	3.773	126.2	4.838	11.18	29.18	0
6/29/20 4:15	3.839	135	13.7	10.75	29.18	0
6/29/20 4:30	4.006	146	11.23	10.8	29.18	0
6/29/20 4:45	4.404	133.2	6.388	10.51	29.18	0
6/29/20 5:00	6.943	146.5	6.326	11.11	29.2	0
6/29/20 5:15	7.545	139	8.79	11.09	29.2	0
6/29/20 5:30	6.788	135.3	7.209	10.89	29.2	0
6/29/20 5:45	7.018	130	8.46	11.07	29.2	0
6/29/20 6:00	7.66	134.9	8.2	11.07	29.2	0
6/29/20 6:15	7.848	133.1	5.727	11.08	29.2	0
6/29/20 6:30	6.215	122.9	11.99	11.23	29.2	0
6/29/20 6:45	6.069	110.8	11.84	11.39	29.2	0
6/29/20 7:00	5.577	107.3	9.72	11.48	29.23	0
6/29/20 7:15	6.363	111.1	10	11.61	29.23	0
6/29/20 7:30	5.075	116.1	14.67	11.9	29.23	0
6/29/20 7:45	4.954	127.2	12.67	12.06	29.23	0
6/29/20 8:00	3.94	137.7	19.45	12.38	29.22	0
6/29/20 8:15	5.702	154.3	18.54	12.39	29.22	0
6/29/20 8:30	5.773	168.9	13.94	12.64	29.22	0
6/29/20 8:45	5.767	156.6	14.83	13.23	29.22	0
6/29/20 9:00	6.84	149.6	14.89	13.12	29.21	0
6/29/20 9:15	6.141	160	17.75	13.48	29.21	0
6/29/20 9:30	5.831	150.1	17.09	13.84	29.21	0
6/29/20 9:45	6.604	161.4	7.911	13.71	29.21	0

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/29/20 10:00	4.97	159.8	18.69	14.06	29.22	0
6/29/20 10:15	6.038	159.8	10.5	14.12	29.22	0
6/29/20 10:30	4.998	172.5	15.2	14.15	29.22	0
6/29/20 10:45	6.665	176.7	12.4	14.34	29.22	0
6/29/20 11:00	6.357	163.5	12.84	14.46	29.2	0
6/29/20 11:15	5.976	170.3	15.47	14.74	29.2	0
6/29/20 11:30	5.451	163.6	19.93	14.93	29.2	0
6/29/20 11:45	5.965	156.4	20.72	15.49	29.2	0
6/29/20 12:00	6.535	147.7	18.15	15.51	29.21	0
6/29/20 12:15	6.077	141.9	17.61	15.99	29.21	0
6/29/20 12:30	6.104	137.7	12.57	16.46	29.21	0
6/29/20 12:45	4.672	128.7	23.97	17.69	29.21	0
6/29/20 13:00	5.235	130.2	21.98	17.26	29.18	0
6/29/20 13:15	3.441	163.6	42.37	18.14	29.18	0
6/29/20 13:30	3.364	127.6	52.21	18.55	29.18	0
6/29/20 13:45	5.348	178.3	26.55	18.85	29.18	0
6/29/20 14:00	5.148	188.5	55.1	19.77	29.17	0
6/29/20 14:15	4.612	225.2	34.45	20.26	29.17	0
6/29/20 14:30	3.838	161	38.28	19.92	29.17	0
6/29/20 14:45	7.44	224.8	21.63	20.71	29.17	0
6/29/20 15:00	8.29	222	29.44	20.48	29.18	0
6/29/20 15:15	7.416	243.7	19.41	20.6	29.18	0
6/29/20 15:30	9.3	228.2	17.96	20.71	29.18	0
6/29/20 15:45	8.64	241.3	19.85	20.95	29.18	0
6/29/20 16:00	9.77	244.4	9.92	20.66	29.18	0
6/29/20 16:15	8.88	237.3	12.75	20.76	29.18	0
6/29/20 16:30	7.947	227.3	12.66	20.74	29.18	0
6/29/20 16:45	7.887	231.8	21.58	20.66	29.18	0
6/29/20 17:00	9.62	218.2	15.6	20.66	29.15	0
6/29/20 17:15	11.58	227.7	15.41	20.66	29.15	0
6/29/20 17:30	10.5	235.1	9.97	19.95	29.15	0
6/29/20 17:45	9.54	230.3	10.95	19.47	29.15	0
6/29/20 18:00	11.51	235	9.59	19.2	29.17	0
6/29/20 18:15	11.8	227.5	7.796	18.39	29.17	0
6/29/20 18:30	11.37	232.7	7.368	18.02	29.17	0
6/29/20 18:45	9.73	234.5	9.2	17.7	29.17	0
6/29/20 19:00	8.05	225.4	10.9	17.75	29.17	0
6/29/20 19:15	7.359	233.5	10.22	17.14	29.17	0
6/29/20 19:30	7.893	239.2	7.681	16.67	29.17	0
6/29/20 19:45	7.007	241.3	7.9	16.28	29.17	0
6/29/20 20:00	5.919	243.3	10.83	16.11	29.17	0
6/29/20 20:15	4.521	258	10.17	15.72	29.17	0
6/29/20 20:30	4.389	252.2	11.44	15.45	29.17	0
6/29/20 20:45	4.859	240.2	7.97	15.37	29.17	0
6/29/20 21:00	6.379	224.6	12.43	15.4	29.16	0
6/29/20 21:15	9.39	198.6	10.36	15.56	29.16	0
6/29/20 21:30	11.31	195.5	11.78	15.56	29.16	0
6/29/20 21:45	13.15	179.5	9.33	15.25	29.16	0
6/29/20 22:00	10.53	179.7	12.02	14.95	29.16	0
6/29/20 22:15	9.06	178.9	11.05	14.8	29.16	0
6/29/20 22:30	10.49	178.6	11.25	14.63	29.16	0
6/29/20 22:45	9.22	170.6	13.07	14.55	29.16	0
6/29/20 23:00	8.48	170	11.68	14.29	29.18	0
6/29/20 23:15	10.75	182.6	13.27	14.12	29.18	0
6/29/20 23:30	11.74	177.2	9.12	13.87	29.18	0
6/29/20 23:45	12.24	167.7	10.15	13.66	29.18	0
6/30/20 0:00	10.36	174.9	10.23	13.43	29.18	0
6/30/20 0:15	9.59	165.1	10.75	13.22	29.18	0
6/30/20 0:30	9.14	161.9	11.54	12.92	29.18	0
6/30/20 0:45	7.881	160.8	8.44	12.89	29.18	0
6/30/20 1:00	7.957	142.7	7.694	12.81	29.18	0
6/30/20 1:15	8.11	141.3	5.837	12.77	29.18	0
6/30/20 1:30	9.39	141.4	6.951	12.76	29.18	0
6/30/20 1:45	9.59	141	14.39	12.43	29.18	0
6/30/20 2:00	9.85	150.1	10.24	12.04	29.17	0
6/30/20 2:15	8.42	135.5	7.717	11.64	29.17	0
6/30/20 2:30	8.19	130.1	7.017	11.5	29.17	0
6/30/20 2:45	9.16	138	8.27	11.64	29.17	0
6/30/20 3:00	8.46	141	7.789	11.68	29.15	0.01
6/30/20 3:15	9.1	144	8.47	11.78	29.15	0
6/30/20 3:30	9.66	139.8	8.28	11.78	29.15	0
6/30/20 3:45	8.17	142.3	7.47	11.9	29.15	0.01
6/30/20 4:00	8.52	143.6	7.734	11.92	29.16	0
6/30/20 4:15	7.355	143.8	9.96	11.96	29.16	0.01

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/30/20 4:30	7.698	144.3	9.85	12.02	29.16	0.01
6/30/20 4:45	8.11	158.3	9.42	12.07	29.16	0
6/30/20 5:00	9.25	168.7	9.87	12.09	29.17	0.01
6/30/20 5:15	8.97	167.8	8.68	12.13	29.17	0
6/30/20 5:30	9.34	170.8	9.08	12.06	29.17	0
6/30/20 5:45	11.2	179.4	9.18	12.02	29.17	0.01
6/30/20 6:00	10.8	180.3	8.8	11.96	29.16	0.01
6/30/20 6:15	10.91	175.4	7.377	11.8	29.16	0
6/30/20 6:30	8.91	170.3	8.89	11.72	29.16	0
6/30/20 6:45	9.44	167.5	7.297	11.76	29.16	0
6/30/20 7:00	8.85	166.1	7.199	11.83	29.17	0
6/30/20 7:15	9.46	151.1	10.02	11.9	29.17	0.01
6/30/20 7:30	11	152.7	9.3	11.88	29.17	0.01
6/30/20 7:45	10.02	157.2	8.98	11.98	29.17	0
6/30/20 8:00	9.24	154.5	9.75	11.96	29.19	0.01
6/30/20 8:15	11.03	154.2	9.24	11.98	29.19	0
6/30/20 8:30	10.65	166.9	9.13	11.82	29.19	0.01
6/30/20 8:45	6.91	168	9.57	11.92	29.19	0
6/30/20 9:00	5.25	170.6	10.52	11.87	29.18	0
6/30/20 9:15	5.823	187.1	41.66	11.9	29.18	0.03
6/30/20 9:30	7.557	227.9	9.03	11.75	29.18	0.02
6/30/20 9:45	7.166	239.5	9.29	11.72	29.18	0.01
6/30/20 10:00	6.028	233.3	9.93	11.7	29.18	0
6/30/20 10:15	3.102	260.9	17.25	11.82	29.18	0
6/30/20 10:30	2.636	272.6	14.73	12.01	29.18	0
6/30/20 10:45	1.732	271.7	21.82	13.04	29.18	0
6/30/20 11:00	2.549	278.5	23.65	13.44	29.19	0
6/30/20 11:15	1.719	36.68	55.43	13.59	29.19	0
6/30/20 11:30	2.111	312.4	49.58	14.44	29.19	0
6/30/20 11:45	6.89	241	14.13	14.49	29.19	0
6/30/20 12:00	8.75	206	14.66	15.82	29.19	0
6/30/20 12:15	12.3	216	15.31	15.49	29.19	0
6/30/20 12:30	9.61	212.1	15.12	16.07	29.19	0
6/30/20 12:45	10.5	223.5	17.13	15.45	29.19	0
6/30/20 13:00	8.7	231.4	12.85	15.82	29.18	0
6/30/20 13:15	9.79	217.1	11.11	15.95	29.18	0
6/30/20 13:30	11.05	208.1	10.8	16.63	29.18	0
6/30/20 13:45	13.65	194.3	12.25	16.78	29.18	0
6/30/20 14:00	13.46	201.5	8.24	16.87	29.18	0
6/30/20 14:15	13.98	206.4	11.35	16.5	29.18	0
6/30/20 14:30	12.83	208.3	12.32	16.61	29.18	0
6/30/20 14:45	11.97	202.7	10.13	16.21	29.18	0
6/30/20 15:00	9.76	197.4	10.83	15.99	29.18	0
6/30/20 15:15	8.26	184.9	17.13	15.93	29.18	0
6/30/20 15:30	10.96	203.7	10.09	16.03	29.18	0
6/30/20 15:45	9.81	201.5	9.67	15.85	29.18	0
6/30/20 16:00	13.49	209.6	7.629	15.69	29.18	0
6/30/20 16:15	9.88	197.9	11.29	15.23	29.18	0
6/30/20 16:30	7.91	195.6	11	15.3	29.18	0
6/30/20 16:45	8.76	189	11.19	15.32	29.18	0
6/30/20 17:00	11.29	204.8	9.13	15.23	29.16	0
6/30/20 17:15	8.47	197.8	9.26	15.19	29.16	0
6/30/20 17:30	8.03	198.6	10.11	15.32	29.16	0
6/30/20 17:45	9.96	204	7.42	15.31	29.16	0
6/30/20 18:00	9.83	213.7	8.47	15.28	29.17	0
6/30/20 18:15	9.32	224.3	8.98	15.04	29.17	0
6/30/20 18:30	9.15	197.8	14.47	15.1	29.17	0
6/30/20 18:45	14.19	195.7	10.19	14.95	29.17	0
6/30/20 19:00	13.13	204.4	8.47	14.78	29.17	0
6/30/20 19:15	13.27	196	7.55	14.57	29.17	0
6/30/20 19:30	11.78	188.9	8.67	14.29	29.17	0
6/30/20 19:45	13.02	189.8	8.42	14.08	29.17	0
6/30/20 20:00	10.87	189.6	7.799	13.93	29.19	0
6/30/20 20:15	9.28	181.8	9.19	13.68	29.19	0
6/30/20 20:30	10.81	179.3	8.58	13.5	29.19	0
6/30/20 20:45	12.13	184.1	9.47	13.31	29.19	0
6/30/20 21:00	10.31	186.9	9.14	13.18	29.19	0
6/30/20 21:15	9.14	176.4	10.27	13.08	29.19	0
6/30/20 21:30	8.75	174.5	8.86	12.94	29.19	0
6/30/20 21:45	10.94	168.9	7.776	12.79	29.19	0
6/30/20 22:00	10.87	170.1	8.36	12.59	29.19	0
6/30/20 22:15	10.67	176.5	10.39	12.49	29.19	0
6/30/20 22:30	10.46	173.4	8.89	12.43	29.19	0
6/30/20 22:45	10.44	180.8	10.62	12.31	29.19	0

Meteorological Data

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	Temperature (Average) ° C	Barometric Pressure inches-Hg	Precipitation inches
6/30/20 23:00	9.19	175.6	10.7	12.25	29.19	0
6/30/20 23:15	8.74	172.7	9.58	12.17	29.19	0
6/30/20 23:30	9.41	167.3	9.31	12.13	29.19	0
6/30/20 23:45	8.04	161.3	13.03	12.05	29.19	0

APPENDIX D

Area 5 Top Deck Report

CEDAR HILLS REGIONAL LANDFILL
AREA 5 TOP DECK
MONITORING REPORT

Second Quarter 2020

King County

Department of Natural Resources and Parks
Solid Waste Division

August 2020
Printed on recycled paper

Contents

I. REPORT OVERVIEW D-1
II. LEACHATE MONITORING D-1
III. SURFACE MONITORING D-3
IV. STORMWATER SAMPLING D-7
V. CONCLUSION D-7

Tables

Table 1 Cedar Hills Regional Landfill Leachate Production for Second quarter of 2020 .. D-2
Table 2 Cedar Hills Regional Landfill Area 5 Surface Survey for Second quarter of 2020 D-5
Table 3 Cedar Hills Regional Landfill Area 5 Settlement for Second Quarter of 2020 ..... D-6

Appendices

Inspection Reports ..... Appendix A
Gas Monitoring Reports ..... Appendix B

AREA 5 TOP DECK MONITORING
QUARTERLY REPORT

SECOND QUARTER 2020

I. REPORT OVERVIEW

This report provides the quarterly performance analysis of the interim soil cover system over Area 5 in the Cedar Hills Regional Landfill (CHRLF). The intent of the report is to demonstrate that the top deck cover system is functioning to limit infiltration of rainwater, protect surface water quality, and control landfill gas emissions. Monitoring of surface emissions, leachate quantity, and stormwater quality is conducted, and results are presented in this report.

II. LEACHATE MONITORING

Leachate monitoring is performed to demonstrate that the landfill cover system is effectively limiting rainwater infiltration and therefore leachate production.

King County Solid Waste Division (KCSWD) is no longer able to monitor leachate volume from Area 5. KCSWD staff continues to evaluate leachate volumes collected throughout the landfill. Table 1 presents a historical account of leachate generation at the site since 1986. The evaluation accounts for variations in rainfall by normalizing the leachate flows in terms of gallons discharged per inch of rainfall. The flow has also been normalized relative to pounds of waste in-place. These normalized values for the entire site are also included in Table 1.

TABLE 1
CEDAR HILLS REGIONAL LANDFILL LEACHATE PRODUCTION for SECOND QUARTER of 2020

Time	Leachate	Surface Area of Refuse	Refuse In Place	Precipitation	Flow			
(year)	(MG/yr)	(Acres)	(lbs)	(in/yr)	(gal/Acre/yr)	(gal/Acre/in)	(gal/lb/yr)	(gal/lb/in)
1986	163.03	138.5	11,328,841,100	54.79	1,177,112	21,484	0.0144	0.00026
1987	139.53	138.5	12,927,926,300	39.6	1,007,422	25,440	0.0108	0.00027
1988	169.67	161.9	14,525,504,000	48.63	1,048,009	21,551	0.0117	0.00024
1989	176	161.9	16,203,204,000	44.12	1,087,110	24,640	0.0109	0.00025
1990	294.75	161.9	17,965,254,000	71.6	1,820,594	25,427	0.0164	0.00023
1991	224.27	221.4	19,778,412,000	45.85	1,012,967	22,093	0.0113	0.00025
1992	156.46	221.4	21,454,600,000	38.64	706,694	18,289	0.0073	0.00019
1993	150.83	221.4	23,051,348,000	35.01	681,264	19,459	0.0065	0.00019
1994	159.8	221.4	24,657,528,000	38.55	721,764	18,723	0.0065	0.00017
1995	201.11	221.4	26,294,654,000	48.4	908,376	18,768	0.0076	0.00016
1996	243.03	221.4	27,946,704,000	57.08	1,097,714	19,231	0.0087	0.00015
1997	239.23	221.4	29,665,380,000	57.24	1,080,511	18,877	0.0081	0.00014
1998	202.8	221.4	31,432,828,000	42.82	916,006	21,392	0.0065	0.00015
1999	219.15	283.42	33,273,828,000	45.9	773,229	16,848	0.0066	0.00014
2000	148.82	283.42	35,167,828,000	33.15	525,102	15,840	0.0042	0.00013
2001	174.08	283.42	37,041,828,000	47.28	614,194	12,991	0.0047	0.0001
2002	133.4	283.42	38,919,828,000	35.13	470,690	13,399	0.0034	0.0001
2003	181.6	283.42	40,877,828,000	46.39	640,761	13,812	0.0044	0.0001
2004	185.72	328.72	42,889,828,000	34.08	564,983	16,578	0.0043	0.00013
2005	175.31	328.72	44,867,538,000	40.75	533,313	13,087	0.0039	0.0001
2006	264.95	328.72	46,820,938,000	52.94	806,009	15,225	0.0057	0.00011
2007	161.48	328.72	47,129,756,000	38.68	491,239	16,143	0.0034	0.000112
2008	126.02	328.72	48,990,990,000	42.32	383,366	9,059	0.0026	0.00006
2009	172.16	328.72	49,414,219,997	42.42	523,741	12,347	0.0035	0.00008
2010	199.4	335.72	51,076,043,997	49.25	593,959	12,060	0.0039	0.00008
2011	180.2	353.12*	52,701,411,694	51.05	510,308	9,996	0.0034	0.00007
2012	202.3	353.12*	54,315,239,773	58.16	572,972	9,852	0.0037	0.00006
2013	156.4	353.12*	55,933,569,773	47.77	442,923	9,272	0.0028	0.00006
2014	189.14	353.12*	57,638,062,970	64.07	535,631	8,360	0.0033	0.00005
2015	176.26	353.12*	59,401,111,988	51.39	499,159	9,713	0.0030	0.00006
2016	180.32	353.12*	61,277,452,914	51.43	510,659	9,929	0.0029	0.00006
2017	218.18	353.12*	63,183,738,844	57.54	617,853	10,738	0.0035	0.00006
2018	175.71	353.12*	64,999,044,304	33.83	497,597	14,709	0.0027	0.00008
2019	165.27	353.12*	66,781,588,304	45.71	468,018	10,239	0.0025	0.00005
2020	113.77	353.12*	67,207,179,254	32.17	322,192	10,015	0.0017	0.00005

2020: Precipitation and leachate through 2nd Quarter of 2020. Refuse in place through May 2020.

* The 353.12 acre value was a plan view area calculated by AUTOCAD, using the area inquiry feature of a closed polyline.

III. SURFACE MONITORING

KCSWD's plan for monitoring the surface of the Area 5 Top Deck is comprised of three (3) components:

1. Landfill gas inspections and surface emissions monitoring;
2. Top Deck Surface Inspections; and,
3. Settlement monitoring.

The purpose of this monitoring is to detect any conditions affecting the cover system that may permit landfill gas emissions, leachate seeps, or excessive or differential settlement.

Landfill Gas Inspections

Each quarter, monthly inspections of the gas system, stormwater system, and cover system of Area 5 are performed by the KCSWD staff. During the second quarter of 2020 all inspections and maintenance work was performed by KCSWD staff as planned. A summary of this work can be found in Appendix A: Inspection Reports.

Also throughout the second quarter of 2020, KCSWD staff performed monthly Landfill Facility Site Inspections. These inspections are also included in Appendix A. During the second quarter, erosion control measures continued to be implemented and/or maintained to mitigate runoff effects from on-going construction activities at the landfill.

No inspections were performed by Public Health – Seattle & King County (PHSKC) this quarter.

Air Quality Criteria

Each quarter, surface emission monitoring is conducted across the Area 5 Top Deck and its side slopes to verify that methane gas emissions are below regulatory criteria. The second quarter of 2020 surface emission monitoring was conducted from June 16 through June 26, 2020.

There were no exceedances of regulatory criteria observed during the Serpentine Walk in Area 5.
The results from the second quarter of 2020 surface emission monitoring can be found in Appendix B: Gas Monitoring Reports, along with a plot of GPS generated track lines.

Top Deck Surface Inspections

Visual inspections for indications of leachate seeps are conducted each quarter by KCSWD personnel in conjunction with the surface emissions monitoring and monthly inspections. No indications of leachate seeps were recorded during the Second quarter of 2020 by KCSWD staff, or by PHSKC personnel.

Settlement Monitoring

Settlement of Area 5 is evaluated both through visual inspections and through topographic surveys at control points on the top deck. Due to the preparation work for the closure of Area 7 and the opening on Area 8, fall previously surveyed control points in Area 5 were covered. Recently added monitoring location PMX2015 was added as a replacement for PMX20074. Other alternate locations are currently being evaluated as survey control points in order to continue settlement monitoring within Area 5. Historical data can be viewed in table 2.

TABLE 2

CEDAR HILLS REGIONAL LANDFILL AREA 5 SURFACE SURVEY DATA for SECOND QUARTER of 2020

A5SM-1 [a]		A5SM-2		A5SM-3 [b]		PMX20074 [c]		PMX2015 [d]	
Date	Elevation	Date	Elevation	Date	Elevation	Date	Elevation	Date	Elevation
10/4/2005	699.18	10/4/2005	785.17	--	--	--	--	--	--
2/1/2006	697.7	2/1/2006	782.52	--	--	--	--	--	--
6/27/2006	696.51	6/27/2006	780.48	--	--	--	--	--	--
2/14/2007	694.53	--	--	2/14/2007	786.4	--	--	--	--
--	--	4/20/2007	776.95	4/20/2007	786.25	--	--	--	--
7/24/2007	693.34	7/24/2007	775.63	7/24/2007	785.68	8/16/2007	781.56	--	--
2/29/2008	691.77	2/29/2008	773.44	2/29/2008	784.87	2/29/2008	780.1	--	--
7/29/2008	691.26	7/29/2008	772.2	7/29/2008	784.31	7/29/2008	779.13	--	--
11/24/2008	690.61	11/24/2008	771.29	11/24/2008	783.76	11/24/2008	778.21	--	--
4/6/2009	690.16	4/6/2009	770.35	4/6/2009	783.35	4/6/2009	777.41	--	--
7/9/2009	689.77	7/9/2009	769.79	7/9/2009	783.05	7/9/2009	776.99	--	--
12/22/2009	689.13	12/22/2009	768.6	12/22/2009	782.44	12/22/2009	776.1	--	--
3/1/2010	688.77	3/1/2010	768.05	3/1/2010	782.08	3/1/2010	775.81	--	--
8/2/2010	688.6	8/2/2010	767.28	8/2/2010	781.78	8/2/2010	775.29	--	--
12/21/2010	688.1	12/21/2010	766.53	12/21/2010	781.25	12/21/2010	774.79	--	--
4/6/2011	687.83	4/6/2011	765.86	4/6/2011	780.94	4/6/2011	774.42	--	--
8/8/2011	687.46	8/8/2011	765.34	8/8/2011	780.66	8/8/2011	774.19	--	--
1/23/2012	687.19	1/23/2012	764.53	1/23/2012	780.26	1/23/2012	773.79	--	--
5/18/2012	686.78	5/18/2012	763.99	5/18/2012	779.9	5/18/2012	773.41	--	--
7/12/2012	686.69	7/12/2012	763.83	7/12/2012	779.69	7/12/2012	773.26	--	--
11/2/2012	686.55	11/6/2012	763.35	11/2/2012	779.56	--	--	--	--
5/22/2013	686.09	5/22/2013	762.77	5/22/2013	779.09	--	--	--	--
--	--	8/8/2013	762.53	9/5/2013	779.66	--	--	--	--
--	--	2/19/2014	762.06	2/19/2014	777.68	--	--	--	--
--	--	2/9/2015	761.09	2/9/2015	777.63	--	--	--	--
--	--	4/6/2015	761.11	4/6/2015	777.51	--	--	4/6/2015	770.48
--	--	7/2/2015	760.96	7/2/2015	777.38	--	--	7/2/2015	770.31
--	--	10/27/2015	760.62	10/27/2015	777.12	--	--	10/27/2015	770.1
--	--	2/3/2016	760.35	2/3/2016	776.83	--	--	2/3/2016	769.87
--	--	4/12/2016	760.35	4/12/2016	776.87	--	--	4/12/2016	769.86
--	--	7/11/2016	760.15	7/11/2016	776.68	--	--	7/11/2016	769.76
--	--	12/21/2016	759.85	12/21/2016	776.43	--	--	12/21/2016	769.57
--	--	5/31/2017	759.56	5/31/2017	776.23	--	--	5/31/2017	769.27
--	--	8/28/2017	759.38	--	--	--	--	8/28/2017	769.16
--	--	11/27/2017	759.28	--	--	--	--	11/27/2017	769
--	--	2/15/2018	759.10	--	--	--	--	2/15/2018	768.96
--	--	9/4/2018	758.61	--	--	--	--	9/4/2018	768.6
		12/15/2018	758.55					12/15/2018	768.6
--	--	2/10/2019	758.44	--	--	--	--	2/10/2019	768.54
--	--	10/31/2019	757.94	--	--	--	--	10/31/2019	768.17
--	--	3/3/2020	757.71	--	--	--	--	3/3/2020	767.98
--	--	5/28/2020	757.63	--	--	--	--	5/28/2020	767.91

[a] A5SM-1 was destroyed by filling Area 7 during Lift 4.

[b] A5SM-3 NEW as of 2/14/2007. Destroyed by Area 8 excavation stockpile in 08/2017.

[c] PMX20074 was destroyed during Phase 3 of Area 6.

[d] PMX2015 NEW 04/06/2015; it's the same location as PMX20074

TABLE 3

CEDAR HILLS REGIONAL LANDFILL AREA 5 SETTLEMENT for SECOND QUARTER of 2020

Settlement Monitoring Locations	Units	SETTLEMENT DATE RANGE (MM/YYYY)													
		06/2006 - 07/2007	07/2007 - 07/2008	07/2008 - 07/2009	07/2009 - 08/2010	08/2010 - 08/2011	08/2011 - 07/2012	07/2012- 05/2013	05/2013- 02/2014	02/2014- 02/2015	02/2015- 02/2016	02/2016- 05/2017	05/2017- 02/2018	02/2018- 02/2019	02/2019- 03/2020
[a] A5SM-1	Feet	3.17	2.08	1.49	1.17	1.14	0.77	0.60	N/A	N/A	N/A	N/A	N/A	N/A	N/A
A5SM-2	Feet	4.85	3.43	2.41	2.51	1.94	1.51	1.06	0.71	0.97	0.74	0.79	0.46	0.66	0.73
[b] A5SM-3	Feet	N/A	1.37	1.26	1.27	1.12	0.97	0.60	1.41	0.05	0.8	0.6	N/A	N/A	N/A
[c] PMX20074	Feet	N/A	2.43	2.14	1.7	1.1	0.93	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[d] PMX2015	Feet	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.6	0.31	0.42	0.56
Average Settlement for Area 5	Feet/Date Range	4.01	2.33	1.83	1.66	1.33	1.05	0.75	1.06	0.51	0.77	0.66	0.38	0.54	0.64
	Feet/Month	0.33	0.19	0.17	0.14	0.11	0.10	0.08	0.13	0.05	0.07	0.04	0.05	0.05	0.05

[a] A5SM-1 was destroyed by filling Area 7 during Lift 4.

[b] A5SM-3 NEW as of 2/14/2007. Destroyed by Area 8 excavation stockpile in 08/2017.

[c] PMX20074 was destroyed during Phase 3 of Area 6.

[d] PMX2015 NEW 04/06/2015; it's the same location as PMX20074

IV. STORMWATER SAMPLING

Collection of Samples

No samples were collected from the Area 5 Top Deck stormwater monitoring stations SW-TD1, SW-TD2, SW-TD4, and SW-TD6 during the Second quarter of 2020. This was due to multiple factors including low precipitation throughout the latter half of second quarter. Therefore, no comparisons can be made with the surface water or leachate sample data, nor can a review be performed for evaluating the runoff from Area 5 for the second quarter of 2020.

V. CONCLUSION

Stormwater samples for the Area 5 Top Deck were unable to be collected during the second quarter of 2020 due to multiple factors, including lack of sufficient precipitation during the quarter. This observation was in line with the overall regional precipitation levels for the summer months. Therefore, no determinations can be made regarding Area 5's second quarter 2020 stormwater runoff with respect to exceedances of water quality criteria or benchmarks, nor can comparisons be made with background surface water flow (from SW-S1), and leachate effluent (from LV1A).

The inspection reports for the second quarter of 2020 showed no issues with the interim cover system for Area 5 and no indication of LFG presence.

Due to survey control points being covered, there is no recent settlement survey data for second quarter of 2020. New survey points will be assessed for future monitoring.

The recent compliant historical performance trend for Area 5, coupled with ongoing inspection results verifying the integrity of the cover all provides evidence that the Area 5 Top Deck Interim Cover System continues to function to prevent interaction between refuse and storm water runoff from the Top Deck of Area 5.

Figures



LEGEND:

○ ACTIVE MONITORING STATION

AERIAL FLOWN SEPTEMBER 2014

DATE	REVISION	BY

KING COUNTY DEPARTMENT OF NATURAL RESOURCES AND PARKS

SOLID WASTE DIVISION

CEDAR HILLS REGIONAL LANDFILL
SETTLEMENT MONITORING LOCATIONS

APPROVED VOO DATE Feb 2014

RECOMMENDED _____ DATE _____

DESIGNED _____ DRAWN _____

PROJECT NO. _____ SURVEY NO. _____ SHEET 1 OF 1

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SCALE IN FEET

AREA 5 TOP DECK STORMWATER MONITORING STATION

STATION NUMBER	STATION DESCRIPTION
SW–A5TD1	NORTHEAST PORTION OF AREA 5 TOP DECK WHERE RUNOFF FROM THE TOP DECK EXITS AN 18–INCH CULVERT. SAMPLING TO BE PERFORMED AT THE OUTLET OF THE CULVERT.
SW–A5TD2	NORTH SLOPE OF AREA 5 WHERE RUNOFF, FROM THE NORTH SLOPE FLOWING IN A ROADSIDE DITCH, DRAINS INTO A 12–INCH CULVERT. SAMPLING TO BE PERFORMED AT THE OUTLET OF THE CULVERT.
SW–A5TD3*	WEST OF THE AREA 5 TOP DECK, WITHIN THE SCRAPER ROAD 5 ROADSIDE DITCH AT THE OUTLET END OF A TEMPORARY 12–INCH PIPE. THE TEMPORARY 12–INCH PIPE IS IN PLACE, BECAUSE THE WEST SIDESLOPE GEOMEMBRANE DOES NOT CURRENTLY HAVE COVER SOIL. ONCE THE COVER SOIL IS IN PLACE, THE PIPE WILL BE REMOVED AND THE SAMPLE LOCATION WILL NO LONGER BE SAMPLED.
SW–A5TD4	CENTER OF THE WEST PORTION OF AREA 5 TOP DECK WHERE RUNOFF FROM THE TOP DECK DRAINS INTO THE "VALLEY" RUNNING EAST TO WEST. SAMPLING TO BE PERFORMED AT THE INLET OF THE "VALLEY" DITCH.
SW–A5TD5*	THE OUTLET END OF A TEMPORARY 12–INCH HDPE PIPE THAT CONVEYS RUNOFF FROM THE SOUTHWEST CORNER OF THE AREA 5 TOP DECK. THE TEMPORARY 12–INCH PIPE IS IN PLACE, BECAUSE THE SOUTH SIDESLOPE GEOMEMBRANE DOES NOT CURRENTLY HAVE COVER SOIL. ONCE THE COVER SOIL IS IN PLACE, THE PIPE WILL BE REMOVED AND THE SAMPLE LOCATION WILL NO LONGER BE SAMPLED, BECAUSE FLOW IN THE ROADSIDE DITCH AT THIS LOCATION WILL NO LONGER CONTAIN RUNOFF FROM THE AREA 5 TOP DECK.
SW–A5TD6	WEST OF THE AREA 5 TOP DECK, WITHIN THE SCRAPER ROAD 5 ROADSIDE DITCH. THIS SAMPLE POINT RECEIVES TOP DECK FLOW FROM TWO SIDESLOPE DITCHES THAT INTERSECT AT THE SAMPLE LOCATION.

*STATIONS SW–A5TD3 AND SW–A5TD5 WERE TEMPORARY STORMWATER MONITORING STATIONS THAT CEASED TO EXIST AS OF JULY 16, 2007.

LEGEND:

STORMWATER MONITORING STATION

P:\ACAD\PROJECT\King County\Area Expansion Proposal\CARLA WORK\ Figure 1.dwg Aug 01, 2007 - 3:18pm

Figure 1

Area 5 Top Deck Stormwater Monitoring Stations

Cedar Hills Regional Landfill
Area 5 Stage 4 Final Closure
King County, Washington

Appendix A:
Inspection Reports

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SOLID WASTE DIVISION

Cedar Hills Regional Landfill Monthly Facility Inspection

Site Inspection: Permit Compliance

Inspected By: Sterling Bath Date: 4/15/2020 9:55 am

Location: Cedar Hills Ambient Temperature: (°54 F) Weather Condition: Cloudy

ACTION CODES

A. Gas System	Good	Fair	Poor	C. Landfill Operations	Good	Fair	Poor	E. Roadway System	Good	Fair	Poor
1. Pipe Penetrations	X			1. Fueling Stations		X		1. Road Sweeping	X		
2. Collection Piping	X			2. Vehicle Wash Stations	X			2. Access Roads	X		
3. Extraction Wells	X			3. Equipment	X			3. Road Erosion	X		
4. Monitoring Probes	X			4. Perimeter Fences		X		4. Road Pavement	X		
5. Valve Stations	X			5. Vegetation		X		5. Lane Striping	X		
6. North Flare Station	X			6. Landfill Cover		X					
7. Migration Flare	X			7. Drain Rock	X						
8. Noise Control	X			8. Air Quality	X			F. Other Items	X		
9. Air Compressors	X			9. Stockpiles		X					
				10. Vectors	X						
B. Leachate System				11. Litter		X					
1. Pump Station 1	X			12. Dust Control							
2. Pump Station 2	X			13. Other	X						
3. Pump Station 3	X										
4. Pump Station 4	X			D. Stormwater System							
5. Lagoon Facilities	X			1. CSW Pond		X					
6. Lagoon Aerators	X			2. North Siltation Pond	X						
7. Collection System:	X			3. North SW Lagoon	X						
a. Collection Pipes	X			4. South SW Lagoon	X						
b. Force Mains	X			5. South Siltation Pond	X						
c. Manholes	X			6. Sand Filter	X						
d. Cleanouts	X			7. CB/ Control Structures		X					
8. Generators	X			8. Pipes/Culverts	X						
9. Extraction Wells	X			9. Trash Racks	X						
10. Valves/Cleanouts	X			10. Ditches		X					
11. Groundwater	X			11. Best Management		X					
				12. Compliance Points							
				13. Other	X						

Item No.	Action Code(s)	Area Code(s) (See below or over for map) Area	Map	Status Good	Fair	Poor	State Reason if "Fair or Poor", include remedy to get item to 'Good"	Date Corrective Action Implemented
1	C11	A8	H3/4		X		Trash in Area 8 south stormwater ditch. Use litter crews to eliminate this.	
2	D10	A8	H2/3/4		X		Area 8 south stormwater ditch flap has come unstaked and torn in several locations. Restake or wait for upcoming stormwater project.	
3	D1/C6	CSW	H5		X		Small rills forming on slopes below CSW vactor pad. Fill, compact and hydro-seed when appropriate.	
4	C5/D11	A7	E/F/G2		X		Area 7 west slopes are bare and sediment fences need repair. Hydro-seed slopes and repair, replace or remove sediment fences.	
5	C5	A7	E2/3		X		Area 7 northwest slope is bare. Need to hydro-seed when appropriate.	
6	C6	A7	E/F/G2		X		Rills forming on the west slope of Area 7. Fill, compact and hydro-seed when appropriate.	
7	C11/D11	A7	E/F/G2		X		Plastic sheeting on Area 7 west slope is deteriorating. Remove and/or replace plastic sheeting.	
8	C6	A7	F/G4		X		Rills forming on the east slope of Area 7. Fill, compact and hydro-seed when appropriate.	
9	C5	A6	G5		X		Area 6 west slope is bare in several places. Hydro-seed when appropriate.	
10	C6/C9	SP	G4		X		Slope failure on west slope of Area 8 stockpile. Rework slope as planned. Fill, compact and hydro-seed if the slope cannot be readily redone.	
11	C6	A7	F2/3/4		X		Upper south slope of Area 7 is bare. Hydro-seed slope when available.	

12	**C4**		**F1**		X		West perimeter fences are becoming warped in a few places. Continue to monitor and repair when appropriate.	
13	**D11**	**A6**	**D4/5**		X		Sediment fences on north side of Area 6 are damaged. Remove because these sediment fences are no longer needed here.	
14	**C11**		**H5**		X		Canopies over shop doors need to be repainted. Recommend repainting.	
15	**D7/D11**		**G/H5**		X		Several "Only rain down the drain signs" need to be replaced. Replace signage as appropriate.	
16	**C1**		**C5**		X		Need mats over UST covers. Discuss with Tien Pham how this is being addressed.	

AREA CODES (Cedar Hills):

Area 2/3 = A2/3
Area 4 = A4
Area 5 = A5
Area 6 = A6
Area 7 = A7
Area 8 = A8
Central Pit = CP
CSW Lagoon = CSW
East Main Hill = EMH
Leachate Lagoon = LL
North Flare Station = NFS
Southeast Pit Area = SEPA
Southwest Main Hill = SWMH
Stockpile = CP

State the needs of the repairs in the suggested remedy box.

1. *Emergency*
2. *Regulatory Priority*
3. *Safety Priority*
4. *Maintenance Priority*
    a. *Urgent*
    b. *Routine*
    c. *Deferred*

Overall site description day of site inspection:

Overall the site is maintained. No compliance samples have been taken yet this quarter and based on the previous samples the site is currently in compliance. There is trash in the Area 8 south stormwater ditch that needs to be removed. The same stormwater ditch has some tears and places that have come unstaked. Recommendation is to fix the issues in the flap or wait until this is addressed in the upcoming Area 8 stormwater project. Rills have formed below the vactor pad at the CSW lagoon, the west slope of Area 7 and the east slope of Area 7. Recommendation is to fill, compact and hydro-seed these slopes when appropriate. There are bare slopes on the west of Area 7, northwest corner of Area 7, south of Area 7 and west of Area 6. Recommendation is to hydro-seed these areas when appropriate. There is plastic sheeting on the west slope of Area 7 that is torn. Recommendation is to replace the plastic with new plastic or fill, compact and hydro-seed areas currently covered by plastic. There is a large area of slope failure on the west slope of the Area 8 stockpile. Recommendation is to re-do this slope and if time permits to fil, compact and hydro-seed in the meantime. There is some warping on the west perimeter fence. Repair or replace if the damage meets the repair criteria. Sediment fences on west slope of Area 7 and the north side of Area 6 are damaged and should be removed if they are no longer performing any function and replaced if they are performing a function. Canopies above shop doors need to be repainted. Several "Only Rain Down the Drain" signs need to be repaired and replaced. Mats are needed to protect underground storage tanks. Talk to Tien to get that project going.

Photos taken during the site inspection can be found at: P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 20\04 – Apr

Category number:	Action to be Completed. Suggested Remedy:
Category number:	Action to be Completed. Suggested Remedy:

SWPPP Modifications Necessary? (Circle **Y** or **N**) Potential Pollutant Sources **Y / N** Site Map **Y / N**
If **Y**, *log changes in Appendix I of SWPPP*

INSPECTION REPORT SIGNATURE PAGE

INSPECTION DATE: 4/15/2020 SITE: Cedar Hills Regional Landfill

INSPECTOR / QUALIFIED PERSONNEL

Based on professional judgment, which of the following statements is true: (select one)

_X_ *The site is in compliance with the terms and conditions of the SWPPP and the ISGP.*

___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* Immediately notify Environmental Compliance Coordinator

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

Printed name: Sterling Bath

Signature: Sterling Bath Date: 5/7/2020

DULY AUTHORIZED REPRESENTATIVE

Based on professional judgment, which of the following statements is true: (select one)

_✓_ *The site is in compliance with the terms and conditions of the SWPPP and the ISGP.*

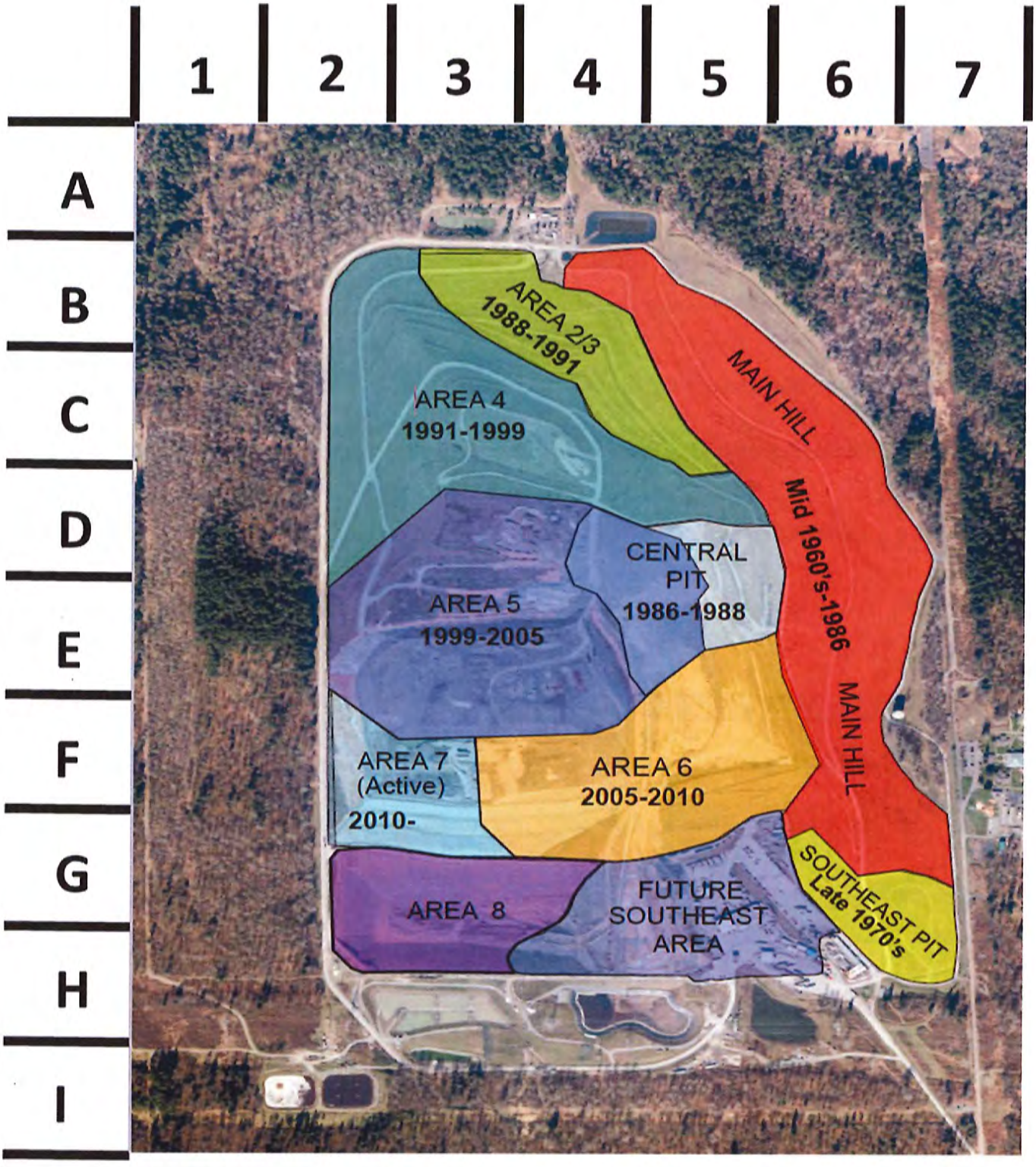
___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* Immediately notify Environmental Compliance Coordinator

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed name: Bill Berni, Operations Manager

Signature: on behalf of Bill Berni Date: 05/07/2020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I
AREA 2/3
1988-1991
MAIN HILL
AREA 4
1991-1999
Mid 1960's-1986
CENTRAL
PIT
1986-1988
AREA 5
1999-2005
MAIN HILL
AREA 7
(Active)
2010-
AREA 6
2005-2010
SOUTHEAST PIT
Late 1970's
AREA 8
FUTURE
SOUTHEAST
AREA

SOLID WASTE DIVISION

Cedar Hills Regional Landfill Monthly Facility Inspection

Site Inspection: Permit Compliance

Inspected By: Sterling Bath Date: 5/18/2020

Location: Cedar Hills Ambient Temperature: (ºF60) Weather Condition: Overcast

ACTION CODES

A. Gas System	Good	Fair	Poor	C. Landfill Operations	Good	Fair	Poor	E. Roadway System	Good	Fair	Poor
1. Pipe Penetrations	X			**1.** Fueling Stations		X		**1.** Road Sweeping	X		
2. Collection Piping	X			**2.** Vehicle Wash Stations	X			**2.** Access Roads	X		
3. Extraction Wells	X			**3.** Equipment	X			**3.** Road Erosion	X		
4. Monitoring Probes	X			**4.** Perimeter Fences		X		**4.** Road Pavement	X		
5. Valve Stations	X			**5.** Vegetation		X		**5.** Lane Striping	X		
6. North Flare Station	X			**6.** Landfill Cover		X					
7. Migration Flare	X			**7.** Drain Rock	X						
8. Noise Control	X			**8.** Air Quality	X			**F. Other Items**	X		
9. Air Compressors	X			**9.** Stockpiles	X						
				10. Vectors	X						
B. Leachate System				**11.** Litter		X					
1. Pump Station 1	X			**12.** Dust Control	X						
2. Pump Station 2	X			**13.** Other		X					
3. Pump Station 3	X										
4. Pump Station 4	X			**D. Stormwater System**							
5. Lagoon Facilities	X			**1.** CSW Pond		X					
6. Lagoon Aerators	X			**2.** North Siltation Pond	X						
7. Collection System:	X			**3.** North SW Lagoon		X					
a. Collection Pipes	X			**4.** South SW Lagoon	X						
b. Force Mains	X			**5.** South Siltation Pond	X						
c. Manholes	X			**6.** Sand Filter		X					
d. Cleanouts	X			**7.** CB/ Control Structures		X					
8. Generators	X			**8.** Pipes/Culverts	X						
9. Extraction Wells	X			**9.** Trash Racks	X						
10. Valves/Cleanouts	X			**10.** Ditches		X					
11. Groundwater	X			**11.** Best Management		X					
				12. Compliance Points		X					
				13. Other	X						

Item No.	Action Code(s)	Area Code(s) (See below or over for map) Area	Map	Status Good	Fair	Poor	State Reason if "Fair or Poor", include remedy to get item to 'Good"	Date Corrective Action Implemented
1	D12		I7		X		Sample point SW-SL3 has been covered with riprap. Need to restore to previous site conditions to continue taking samples.	
2	D10	A8	H2/3/4		X		Tearing and unstaked flaps on south Area 8 CSW flap. Address in upcoming repairs to stormwater system	
3	D6/D7		I3		X		Grate over sand filter valve must be resized so that it will fit over valve. CAMP project to fit an appropriately sized grate.	
4	D2/C6	CSW	H5		X		Rills forming on east slope of CSW lagoon. Fill, compact and hydro-seed when weather is permitting.	
5	C6	SP	G4		X		Stockpile slope failure. Slope needs to be completely redone when weather is permitting.	
6	C5/C6	A7	F4		X		Bare slopes and rills on the east side of Area 7. Fill, compact and hydro-seed when weather is permitting.	
7	C6	A8	G2		X		Rills and holes above DLM in the NW corner of Area 8. Fill, compact and hydro-seed before rill undermines DLM.	
8	C1		H5		X		Fuel island mats need to be installed. Follow-up with assigned engineer.	
9	C4		C7		X		Damaged fence on NE perimeter. Assess if fence is appropriate to deter human trespassers, but allow wildlife passage.	
10	D3		A4		X		Broken fence on west side of North Stormwater Pond fence. Repair fence.	
11	C5/C6	A7	E/F/G2		X		Bare slope on west slope of Area 7 and plastic. Remove plastic and fill, compact and hydro-seed when appropriate.	

12	**C5/C6**	**A7**	**F2**		X		Rills on north slope of Area 7. Fill, compact and hydro-seed when appropriate.	
13	**C5/C6**	**A7**	**G2/3/4**		X		Bare south slope of Area 7. Hydro-seed when appropriate.	
14	**C5/C6**	**A6**	**F4**		X		Bare west slope of Area 6. Hydro-seed when appropriate.	
15	**C5/C6**	**A7**	**F2**		X		Southwest corner top surface of Area 7 is bare and filled with depressions. Fill, compact and hydro-seed when appropriate.	
16	**C5/C6**	**A7**	**F2**		X		Deep rills on top southwest corner of Area 7. Fill, compact and hydro-seed when appropriate.	
17	**C11**	**A6**	**G5**		X		Southwest corner of Area 6 ditch looks very messy. Clear out ditch when resources are available.	
18	**D11**	**A4**	**D5**		X		Sediment fences have failed and are no longer needed in this area. Remove fences.	
19	**D11**		**G5**		X		"Only Drain Down the Drain" signs are damaged and difficult to read. Replace with a new sign.	
20	**C13**		**G5**		X		Chipped paint on shop doors and canopies. Needs to be repainted.	

AREA CODES (Cedar Hills):

Area 2/3 = A2/3	Area 7 = A7	East Main Hill = EMH	Southwest Main Hill = SWMH
Area 4 = A4	Area 8 = A8	Leachate Lagoon = LL	Stockpile = SP
Area 5 = A5	Central Pit = CP	North Flare Station = NFS	
Area 6 = A6	CSW Lagoon = CSW	Southeast Pit Area = SEPA	

State the needs of the repairs in the suggested remedy box.

1. *Emergency*
2. *Regulatory Priority*
3. *Safety Priority*
4. *Maintenance Priority*

a. *Urgent*
b. *Routine*
c. *Deferred*

Overall site description day of site inspection:
Overall the site is maintained. A compliance point S3 or SW-SL3 has been altered and needs to be restored before a sample can be obtained. Flaps are coming unstaked and torn on the south side of Area 8. They are expected to be restored during the work on the stormwater system. There needs to be a grate sized correctly to fit over a valve hole by the sand filter. Rills and bare patches were observed on the east slope of the CSW lagoon, all sides of Area 7 including portions of the top, the NW corner of Area 8 and the west side of Area 6. Rills need to be filled and compacted and surfaces should be hydro-seeded when appropriate. There is a slope failure on the stockpile adjacent to Area 8. Need to redo slope to prevent further failure. Fuel island needs new mats to protect the underground storage tanks from rain. There is a damaged fence on the north east perimeter of the site and on the west side of the fence around the north stormwater pond. Needs to be repaired. Plastic on Area 7 west slope needs to be removed or replaced. Southwest corner of Area 6 ditch needs to be cleared and cleaned up. Several sediment fences across the site notably north of Area 6 have failed and are no longer necessary and can be removed. "Only Rain Down the Drain" signs need to replaced in several places. Paint is chipping on the shop doors and canopies needs to be repainted.

Photos taken during the site inspection can be found at: P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 20\05 - May\Photos

Category number:	Action to be Completed. Suggested Remedy:
Category number:	Action to be Completed. Suggested Remedy:

SWPPP Modifications Necessary? (Circle **Y** or **N**) Potential Pollutant Sources **Y** / **N** Site Map **Y** / **N**
If **Y**, *log changes in Appendix I of SWPPP*

INSPECTION REPORT SIGNATURE PAGE

INSPECTION DATE: ___5/18/2020_____ SITE: Cedar Hills Regional Landfill

INSPECTOR / QUALIFIED PERSONNEL

Based on professional judgment, which of the following statements is true: (select one)

INSPECTION REPORT SIGNATURE PAGE

INSPECTION DATE: 5/18/2020 SITE: Cedar Hills Regional Landfill

INSPECTOR / QUALIFIED PERSONNEL

Based on professional judgment, which of the following statements is true: (select one)

_X_ *The site is in compliance with the terms and conditions of the SWPPP and the ISGP.*

___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* Immediately notify Environmental Compliance Coordinator

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

Printed name: Sterling Bath, CESCL

Signature: Sterling Bath Date: 6/15/2020

DULY AUTHORIZED REPRESENTATIVE

Based on professional judgment, which of the following statements is true: (select one)

_✓_ *The site is in compliance with the terms and conditions of the SWPPP and the ISGP.*

___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

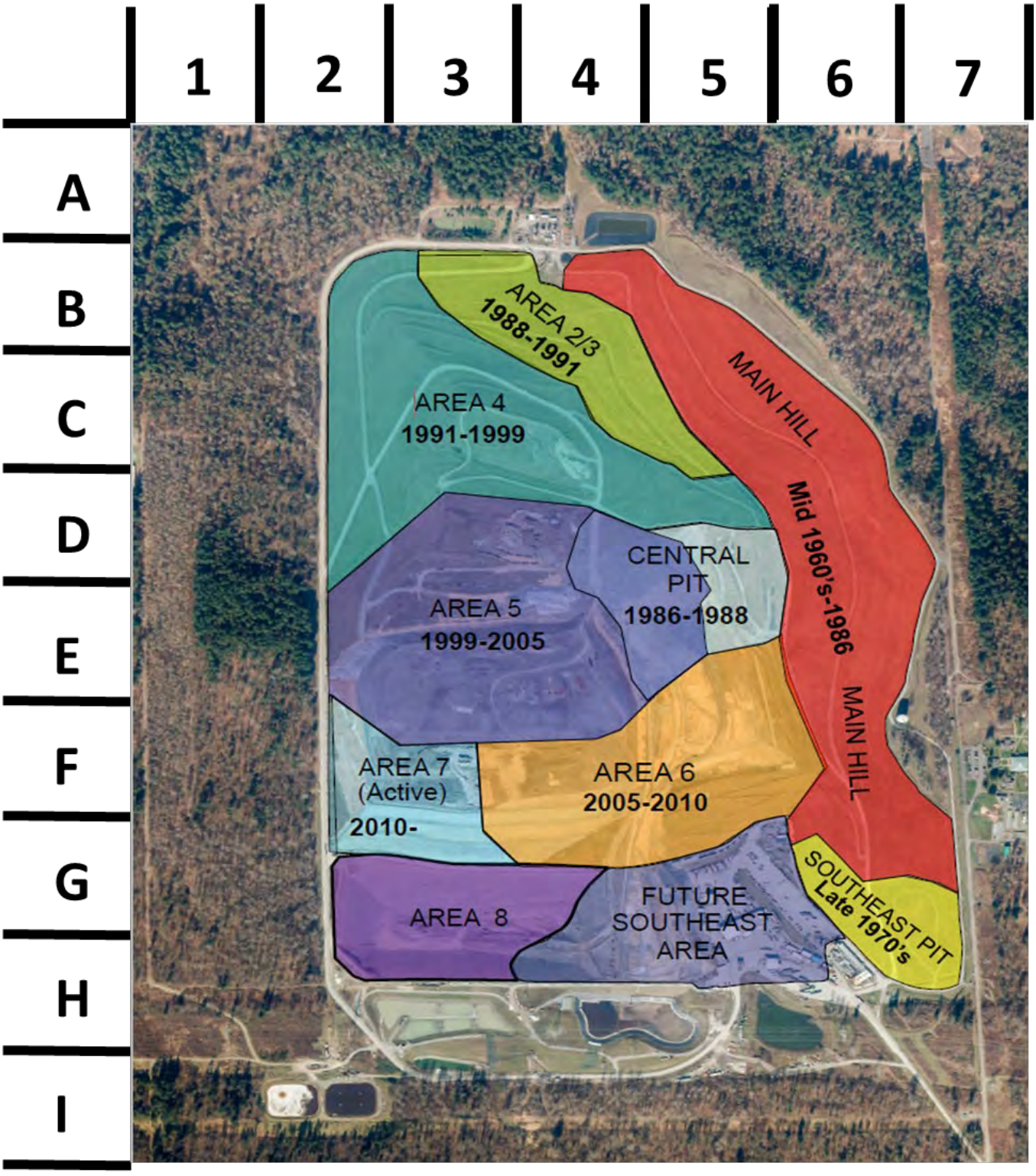
* Immediately notify Environmental Compliance Coordinator

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed name: Bill Berni, Operations Manager

Signature: Band Date: 6/12/2020

on behalf of Bill Berni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AREA 2/3
1988-1991
MAIN HILL
AREA 4
1991-1999
Mid 1960's-1986
CENTRAL
PIT
1986-1988
AREA 5
1999-2005
MAIN HILL
AREA 7
(Active)
2010-
AREA 6
2005-2010
SOUTHEAST PIT
Late 1970's
AREA 8
FUTURE
SOUTHEAST
AREA

SOLID WASTE DIVISION

Cedar Hills Regional Landfill Monthly Facility Inspection

Site Inspection: Permit Compliance

Inspected By: Sterling Bath Date: 6/16/2020

Location: Cedar Hills Ambient Temperature: (ºF52) Weather Condition: Cloudy

ACTION CODES

A. Gas System	Good	Fair	Poor	C. Landfill Operations	Good	Fair	Poor	E. Roadway System	Good	Fair	Poor
1. Pipe Penetrations	X			**1.** Fueling Stations	X			**1.** Road Sweeping	X		
2. Collection Piping	X			**2.** Vehicle Wash Stations	X			**2.** Access Roads	X		
3. Extraction Wells	X			**3.** Equipment	X			**3.** Road Erosion	X		
4. Monitoring Probes	X			**4.** Perimeter Fences		X		**4.** Road Pavement	X		
5. Valve Stations	X			**5.** Vegetation	X			**5.** Lane Striping	X		
6. North Flare Station	X			**6.** Landfill Cover		X					
7. Migration Flare	X			**7.** Drain Rock	X						
8. Noise Control	X			**8.** Air Quality	X			**F. Other Items**	X		
9. Air Compressors	X			**9.** Stockpiles	X						
				10. Vectors	X						
B. Leachate System				**11.** Litter		X					
1. Pump Station 1	X			**12.** Dust Control	X						
2. Pump Station 2	X			**13.** Other		X					
3. Pump Station 3	X										
4. Pump Station 4	X			**D. Stormwater System**							
5. Lagoon Facilities	X			**1.** CSW Pond	X						
6. Lagoon Aerators	X			**2.** North Siltation Pond	X						
7. Collection System:				**3.** North SW Lagoon	X						
a. Collection Pipes	X			**4.** South SW Lagoon	X						
b. Force Mains	X			**5.** South Siltation Pond	X						
c. Manholes	X			**6.** Sand Filter		X					
d. Cleanouts	X			**7.** CB/ Control Structures	X						
8. Generators	X			**8.** Pipes/Culverts	X						
9. Extraction Wells	X			**9.** Trash Racks	X						
10. Valves/Cleanouts	X			**10.** Ditches		X					
11. Groundwater	X			**11.** Best Management		X					
				12. Compliance Points		X					
				13. Other							

Item No.	Action Code(s)	Area Code(s) (See below or over for map) Area	Map	Status Good	Fair	Poor	State Reason if "Fair or Poor", include remedy to get item to 'Good"	Date Corrective Action Implemented
1	D12		I7		X		Compliance point SL3 (C3) needs to have riprap material removed to make the point operable again.	
2	D11	A6/7	E2/3/4/5		X		Broken construction and sediment fences North of Area 6/7. Needs to be removed.	
3	C6	A7			X		Rills and bare slopes on NW, West and East slope of Area 7. Fill, compact and hydro-seed.	
4	C6/C11	A7			X		Plastic sheeting on west Area 7 slope. Remove or replace.	
5	C6	A8			X		Rills above NW corner of Area 8. Fill, compact and hydro-seed.	
6	C6	SP			X		Slope failure on the west slope of the stockpile adjacent to Area 8. Redo slope to prevent future failures.	
7	D10	A8			X		South stormwater ditch of Area 8 needs to be restaked in several locations. Restake and repair damage to the south stormwater ditch.	
8	D10	A8			X		Area 8 south stormwater ditch needs to be cleared of sediment in one location.	
9	D11	A8			X		Remove damaged construction fences south of southwest corner of Area 8.	
10	D6	I2			X		Undersized grate for sand filter valve. Replace with an appropriately sized grate.	
11	D10	A6			X		Plastic sheeting in south stormwater ditch of Area 6 needs to be redone.	
12	C6	A6			X		Bare west slope of Area 6 needs to be hydro-seeded.	

13	**D11**		**B7**		X		Sediment fences around Pump Station 2 need to be replaced or removed.	
14	**C4**		**A7**		X		East perimeter fences need to be replaced on northeast side.	
15	**C13**		**A4**		X		North stormwater pond west fence needs to be repaired.	
16	**D11**		**I4**		X		Remove or replace damaged sediment fences around Pump Station 4.	
17	**D11**		**G/H5**		X		Replace damaged “Only Rain Down the Drain Signs”.	
18								

AREA CODES (Cedar Hills):

Area 2/3 = A2/3	Area 7 = A7	East Main Hill = EMH	Southwest Main Hill = SWMH
Area 4 = A4	Area 8 = A8	Leachate Lagoon = LL	Stockpile = CP
Area 5 = A5	Central Pit = CP	North Flare Station = NFS	
Area 6 = A6	CSW Lagoon = CSW	Southeast Pit Area = SEPA	

State the needs of the repairs in the suggested remedy box.

1. *Emergency*
2. *Regulatory Priority*
3. *Safety Priority*
4. *Maintenance Priority*
    a. *Urgent*
    b. *Routine*
    c. *Deferred*

Overall site description day of site inspection:
Overall the site is maintained. Compliance point SW-SL3 needs to have sediment removed and be reseeded before it is a proper compliance point again. Broken construction and sediment fences around the site were identified to be removed or repaired around Areas 6, 7 and 8 and Pump Station 2. Rills and bare patches were identified around the slopes on all sides of Area 7, the west slope of Area 6, and above the northwest corner of Area 8. Rills need to be filled in and compacted and hydro-seeded when weather is dry. Bare patches need to be hydro-seeded. Plastic on Area 7 needs to be removed. Liner material needs to be anchored back in place in the south stormwater ditches around Areas 8 and 6. The slope of the stockpile adjacent to Area 8 has failed in a section and needs to be redone when weather allows. Sand filter grate is undersized and needs to be replaced with a larger appropriately sized grate. Repairs need to be made to a portion of the east perimeter fence and the north liner pond fence. "Only Rain Down the Drain Signs" are damaged or missing in several locations and need to be replaced.

Photos taken during the site inspection can be found at: P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 20\06 - Jun\Photos

Category number:	Action to be Completed. Suggested Remedy:
Category number:	Action to be Completed. Suggested Remedy:

SWPPP Modifications Necessary? (Circle **Y** or **N**) Potential Pollutant Sources **Y / N** Site Map **Y / N**
If **Y**, *log changes in Appendix I of SWPPP*

INSPECTION REPORT SIGNATURE PAGE

INSPECTION REPORT SIGNATURE PAGE

INSPECTION DATE: 6/16/2020 SITE: Cedar Hills Regional Landfill

INSPECTOR / QUALIFIED PERSONNEL

Based on professional judgment, which of the following statements is true: (select one)

✓ *The site is in compliance with the terms and conditions of the SWPPP and the ISGP.*

___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* Immediately notify Environmental Compliance Coordinator

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

Printed name:

Signature: Sterling Bath Date: 7/1/2020

DULY AUTHORIZED REPRESENTATIVE

Based on professional judgment, which of the following statements is true: (select one)

✓ *The site is in compliance with the terms and conditions of the SWPPP and the ISGP.*

___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

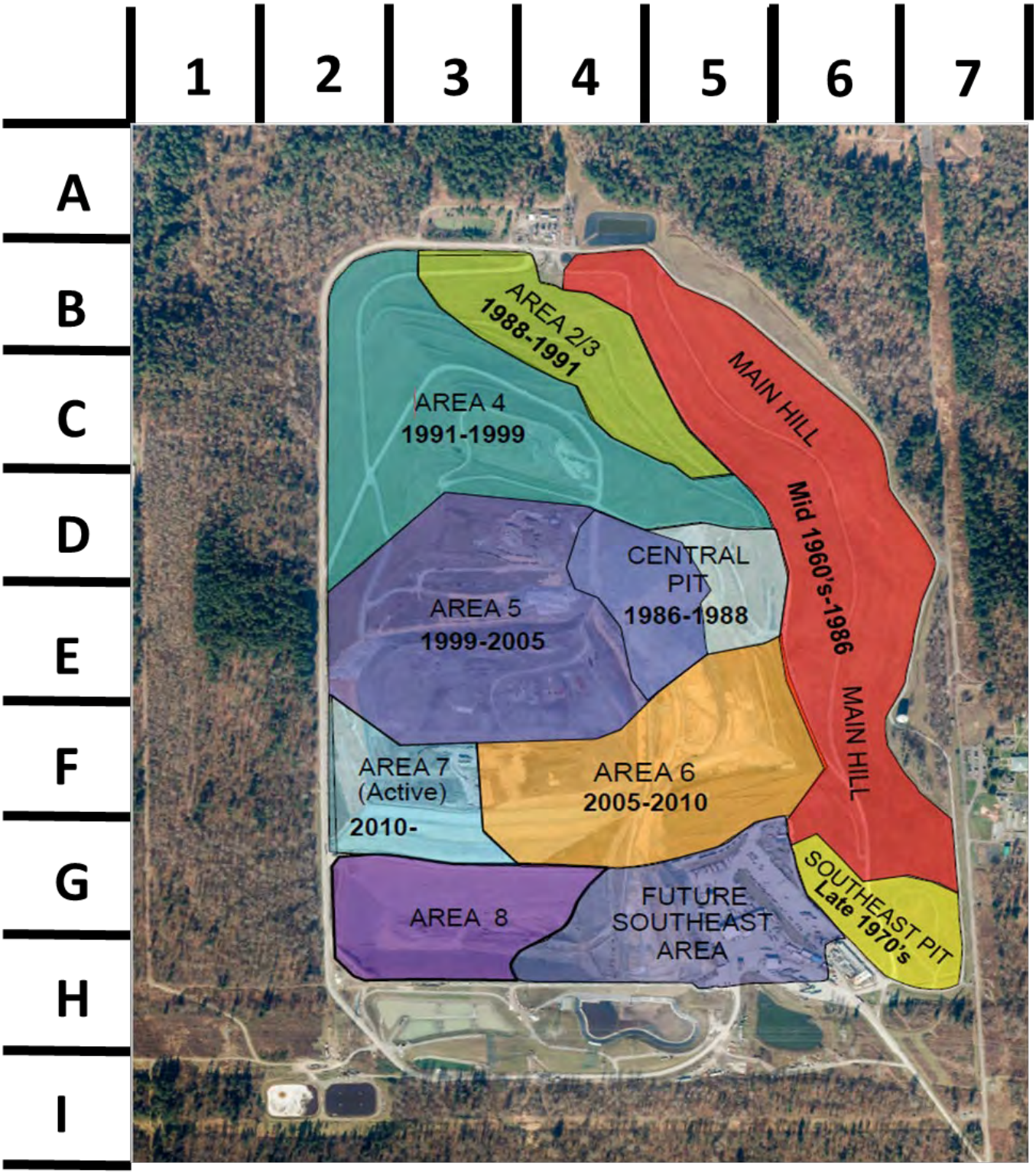
* Immediately notify Environmental Compliance Coordinator

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed name: Bill Berni, Operations Manager

Signature: Band Date: 6/30/20

on behalf of Bill Berni


1
2
3
4
5
6
7
A
B
C
D
E
F
G
H
I
AREA 2/3
1988-1991
MAIN HILL
AREA 4
1991-1999
Mid 1960's-1986
CENTRAL
PIT
1986-1988
AREA 5
1999-2005
MAIN HILL
AREA 7
(Active)
2010-
AREA 6
2005-2010
SOUTHEAST PIT
Late 1970's
AREA 8
FUTURE
SOUTHEAST
AREA

Cedar Hills Area 5 Maintenance

for the period 04/01/2020 *to* 06/30/2020

Click the blue 'Y' to see notes

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
Area 5						
	CHAREA5	0000022576	CLOSED	Monthy Gas System PM	04/21/2020	N
	CHAREA5	0000022576	CLOSED	Monthly Stormwater PM	04/21/2020	N
	CHAREA5	0000022576	CLOSED	Monthly Cover System PM	04/21/2020	N
	CHAREA5	0000022715	CLOSED	Monthy Gas System PM	05/30/2020	N
	CHAREA5	0000022715	CLOSED	Monthly Stormwater PM	05/30/2020	N
	CHAREA5	0000022715	CLOSED	Monthly Cover System PM	05/30/2020	N
	CHAREA5	0000022851	CLOSED	Monthy Gas System PM	06/18/2020	N
	CHAREA5	0000022851	CLOSED	Monthly Stormwater PM	06/18/2020	N
	CHAREA5	0000022851	CLOSED	Monthly Cover System PM	06/18/2020	N
	CHAREA5E	0000022545	CLOSED	Monthly Header PM	04/09/2020	N
	CHAREA5E	0000022684	CLOSED	Monthly Header PM	05/06/2020	N
	CHAREA5E	0000022806	CLOSED	Monthly Header PM	06/01/2020	N
	CHAREA5W	0000022544	CLOSED	Monthly Header PM	04/09/2020	N
	CHAREA5W	0000022683	CLOSED	Monthly Header PM	05/06/2020	N
	CHAREA5W	0000022805	CLOSED	Monthly Header PM	06/01/2020	N

Cedar Hills Landfill Storm Water Pollution Prevention Plan Maintenance

for the period 04/01/2020 *to* 06/30/2020

Click the blue 'Y' to see notes

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
Catch Basins						
	Cedar Hills	0000046335	CLOSED	PMM	04/05/2020	N
	Cedar Hills	0000046609	CLOSED	PMM	05/03/2020	N
	Cedar Hills	0000046968	CLOSED	PMM	06/01/2020	N
Control Structures						
	Cedar Hills	0000045577	CLOSED	PMS	04/01/2020	N
Trash Racks						
	Cedar Hills	0000046334	CLOSED	PMW	04/05/2020	N
	Cedar Hills	0000046375	CLOSED	PMW	04/14/2020	N
	Cedar Hills	0000046485	CLOSED	PMW	04/21/2020	N
	Cedar Hills	0000046550	CLOSED	PMW	04/27/2020	N
	Cedar Hills	0000046608	CLOSED	PMW	05/03/2020	N
	Cedar Hills	0000046618	CLOSED	PMW	05/11/2020	N
	Cedar Hills	0000046804	CLOSED	PMW	05/19/2020	N
	Cedar Hills	0000046866	CLOSED	PMW	05/29/2020	N
	Cedar Hills	0000046967	CLOSED	PMW	06/01/2020	Y
	Cedar Hills	0000047020	CLOSED	PMW	06/07/2020	N
	Cedar Hills	0000047055	CLOSED	PMW	06/17/2020	N
	Cedar Hills	0000047151	CLOSED	PMW	06/25/2020	Y
	Cedar Hills	0000047214	CLOSED	PMW	06/30/2020	N
Ditches						
	Cedar Hills	0000046334	CLOSED	PMW	04/05/2020	N
	Cedar Hills	0000046335	CLOSED	PMM	04/05/2020	N
	Cedar Hills	0000046375	CLOSED	PMW	04/14/2020	N
	Cedar Hills	0000046485	CLOSED	PMW	04/21/2020	N
	Cedar Hills	0000046550	CLOSED	PMW	04/27/2020	N
	Cedar Hills	0000046608	CLOSED	PMW	05/03/2020	N
	Cedar Hills	0000046609	CLOSED	PMM	05/03/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000046618	CLOSED	PMW	05/11/2020	N
	Cedar Hills	0000046804	CLOSED	PMW	05/19/2020	N
	Cedar Hills	0000046866	CLOSED	PMW	05/29/2020	N
	Cedar Hills	0000046967	CLOSED	PMW	06/01/2020	Y
	Cedar Hills	0000046968	CLOSED	PMM	06/01/2020	N
	Cedar Hills	0000047020	CLOSED	PMW	06/07/2020	N
	Cedar Hills	0000047055	CLOSED	PMW	06/17/2020	N
	Cedar Hills	0000047151	CLOSED	PMW	06/25/2020	Y
	Cedar Hills	0000047214	CLOSED	PMW	06/30/2020	N
Ponds/Lagoons						
	Cedar Hills	0000045577	CLOSED	PMS	04/01/2020	N
	Cedar Hills	0000046334	CLOSED	PMW	04/05/2020	N
	Cedar Hills	0000046375	CLOSED	PMW	04/14/2020	N
	Cedar Hills	0000046485	CLOSED	PMW	04/21/2020	N
	Cedar Hills	0000046550	CLOSED	PMW	04/27/2020	N
	Cedar Hills	0000046608	CLOSED	PMW	05/03/2020	N
	Cedar Hills	0000046618	CLOSED	PMW	05/11/2020	N
	Cedar Hills	0000046804	CLOSED	PMW	05/19/2020	N
	Cedar Hills	0000046866	CLOSED	PMW	05/29/2020	N
	Cedar Hills	0000046967	CLOSED	PMW	06/01/2020	Y
	Cedar Hills	0000047020	CLOSED	PMW	06/07/2020	N
	Cedar Hills	0000047055	CLOSED	PMW	06/17/2020	N
	Cedar Hills	0000047151	CLOSED	PMW	06/25/2020	Y
	Cedar Hills	0000047214	CLOSED	PMW	06/30/2020	N
General						
	Cedar Hills	0000046334	CLOSED	PMW	04/05/2020	N
	Cedar Hills	0000046375	CLOSED	PMW	04/14/2020	N
	Cedar Hills	0000046485	CLOSED	PMW	04/21/2020	N
	Cedar Hills	0000046550	CLOSED	PMW	04/27/2020	N
	Cedar Hills	0000046608	CLOSED	PMW	05/03/2020	N
	Cedar Hills	0000046618	CLOSED	PMW	05/11/2020	N
	Cedar Hills	0000046804	CLOSED	PMW	05/19/2020	N
	Cedar Hills	0000046866	CLOSED	PMW	05/29/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000046967	CLOSED	PMW	06/01/2020	Y
	Cedar Hills	0000047020	CLOSED	PMW	06/07/2020	N
	Cedar Hills	0000047055	CLOSED	PMW	06/17/2020	N
	Cedar Hills	0000047151	CLOSED	PMW	06/25/2020	Y
	Cedar Hills	0000047214	CLOSED	PMW	06/30/2020	N
Leachate System						
	CHPS1	0000046323	CLOSED	PMW	04/07/2020	N
	CHPS1	0000046400	CLOSED	PMW	04/12/2020	N
	CHPS1	0000046454	CLOSED	PMW	04/22/2020	N
	CHPS1	0000046519	CLOSED	PMW	04/26/2020	N
	CHPS1	0000046581	CLOSED	PMW	05/03/2020	N
	CHPS1	0000046599	CLOSED	PMW	05/11/2020	N
	CHPS1	0000046799	CLOSED	PMW	05/17/2020	N
	CHPS1	0000046833	CLOSED	PMW	05/26/2020	N
	CHPS1	0000046917	CLOSED	PMW	05/31/2020	N
	CHPS1	0000046991	CLOSED	PMW	06/08/2020	N
	CHPS1	0000047065	CLOSED	PMW	06/15/2020	N
	CHPS1	0000047113	CLOSED	PMW	06/24/2020	N
	CHPS1	0000047195	CLOSED	PMW	06/29/2020	N
	CHPS2	0000046322	CLOSED	PMW	04/07/2020	N
	CHPS2	0000046399	CLOSED	PMW	04/12/2020	N
	CHPS2	0000046453	CLOSED	PMW	04/22/2020	N
	CHPS2	0000046520	CLOSED	PMW	04/26/2020	N
	CHPS2	0000046582	CLOSED	PMW	05/03/2020	N
	CHPS2	0000046598	CLOSED	PMW	05/11/2020	N
	CHPS2	0000046798	CLOSED	PMW	05/17/2020	N
	CHPS2	0000046832	CLOSED	PMW	05/26/2020	N
	CHPS2	0000046916	CLOSED	PMW	05/31/2020	N
	CHPS2	0000046990	CLOSED	PMW	06/08/2020	N
	CHPS2	0000047064	CLOSED	PMW	06/15/2020	N
	CHPS2	0000047112	CLOSED	PMW	06/24/2020	N
	CHPS2	0000047194	CLOSED	PMW	06/29/2020	Y
	CHPS3	0000046320	CLOSED	PMW	04/07/2020	N
	CHPS3	0000046397	CLOSED	PMW	04/12/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS3	0000046451	CLOSED	PMW	04/22/2020	N
	CHPS3	0000046522	CLOSED	PMW	04/26/2020	N
	CHPS3	0000046578	CLOSED	PMW	05/03/2020	N
	CHPS3	0000046596	CLOSED	PMW	05/11/2020	N
	CHPS3	0000046796	CLOSED	PMW	05/17/2020	N
	CHPS3	0000046830	CLOSED	PMW	05/26/2020	N
	CHPS3	0000046914	CLOSED	PMW	05/31/2020	N
	CHPS3	0000046988	CLOSED	PMW	06/07/2020	N
	CHPS3	0000047062	CLOSED	PMW	06/15/2020	N
	CHPS3	0000047110	CLOSED	PMW	06/22/2020	N
	CHPS3	0000047192	CLOSED	PMW	06/29/2020	N
	CHPS4	0000046319	CLOSED	PMW	04/07/2020	Y
	CHPS4	0000046396	CLOSED	PMW	04/12/2020	N
	CHPS4	0000046450	CLOSED	PMW	04/22/2020	N
	CHPS4	0000046523	CLOSED	PMW	04/26/2020	N
	CHPS4	0000046579	CLOSED	PMW	05/03/2020	N
	CHPS4	0000046595	CLOSED	PMW	05/11/2020	Y
	CHPS4	0000046795	CLOSED	PMW	05/17/2020	N
	CHPS4	0000046829	CLOSED	PMW	05/24/2020	N
	CHPS4	0000046913	CLOSED	PMW	05/31/2020	N
	CHPS4	0000046987	CLOSED	PMW	06/07/2020	N
	CHPS4	0000047061	CLOSED	PMW	06/15/2020	N
	CHPS4	0000047109	CLOSED	PMW	06/22/2020	N
	CHPS4	0000047191	CLOSED	PMW	06/28/2020	N
	LEPS	0000046316	CLOSED	PMW	04/07/2020	N
	LEPS	0000046325	CLOSED	PMM	04/08/2020	Y
	LEPS	0000046393	CLOSED	PMW	04/12/2020	N
	LEPS	0000046447	CLOSED	PMW	04/22/2020	N
	LEPS	0000046525	CLOSED	PMW	04/26/2020	N
	LEPS	0000046574	CLOSED	PMW	04/26/2020	N
	LEPS	0000046575	CLOSED	PMW	05/03/2020	N
	LEPS	0000046585	CLOSED	PMM	05/11/2020	Y
	LEPS	0000046593	CLOSED	PMW	05/11/2020	N
	LEPS	0000046791	CLOSED	PMW	05/17/2020	N
	LEPS	0000046826	CLOSED	PMW	05/24/2020	Y

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	LEPS	0000046910	CLOSED	PMW	05/31/2020	N
	LEPS	0000046919	CLOSED	PMM	06/03/2020	Y
	LEPS	0000046984	CLOSED	PMW	06/07/2020	N
	LEPS	0000047058	CLOSED	PMW	06/15/2020	N
	LEPS	0000047106	CLOSED	PMW	06/21/2020	N
	LEPS	0000047188	CLOSED	PMW	06/28/2020	N
Landfill Cover						
	CHSTOCKPILE	0000022573	CLOSED	PMV	04/21/2020	N
	CHAPONDS	0000022574	CLOSED	PMV	04/21/2020	N
	CHAREA4	0000022575	CLOSED	PMV	04/21/2020	N
	CHAREA5	0000022576	CLOSED	PMV	04/21/2020	N
	CHAREA6	0000022577	CLOSED	PMV	04/21/2020	N
	CHAREAS23	0000022580	CLOSED	PMV	04/21/2020	N
	CHCENTRALPIT	0000022581	CLOSED	PMV	04/21/2020	N
	CHEMH	0000022582	CLOSED	PMV	04/21/2020	N
	CHSEPA	0000022583	CLOSED	PMV	04/21/2020	N
	CHSSWA	0000022584	CLOSED	PMV	04/21/2020	N
	CHSWMH	0000022585	CLOSED	PMV	04/21/2020	N
	CHNFLARESTN	0000022586	CLOSED	PMV	04/21/2020	N
	CHSTOCKPILE	0000022712	CLOSED	PMV	05/30/2020	N
	CHAPONDS	0000022713	CLOSED	PMV	05/30/2020	N
	CHAREA4	0000022714	CLOSED	PMV	05/30/2020	N
	CHAREA5	0000022715	CLOSED	PMV	05/30/2020	N
	CHAREA6	0000022716	CLOSED	PMV	05/30/2020	N
	CHAREAS23	0000022719	CLOSED	PMV	05/30/2020	N
	CHCENTRALPIT	0000022720	CLOSED	PMV	05/30/2020	N
	CHEMH	0000022721	CLOSED	PMV	05/30/2020	N
	CHSEPA	0000022722	CLOSED	PMV	05/30/2020	N
	CHSSWA	0000022723	CLOSED	PMV	05/30/2020	N
	CHSWMH	0000022724	CLOSED	PMV	05/30/2020	N
	CHNFLARESTN	0000022725	CLOSED	PMV	05/30/2020	N
	CHSTOCKPILE	0000022848	CLOSED	PMV	06/18/2020	N
	CHAPONDS	0000022849	CLOSED	PMV	06/18/2020	N
	CHAREA4	0000022850	CLOSED	PMV	06/18/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHAREA5	0000022851	CLOSED	PMV	06/18/2020	N
	CHAREA6	0000022852	CLOSED	PMV	06/18/2020	N
	CHAREAS23	0000022855	CLOSED	PMV	06/18/2020	N
	CHCENTRALPIT	0000022856	CLOSED	PMV	06/18/2020	N
	CHEMH	0000022857	CLOSED	PMV	06/18/2020	N
	CHSEPA	0000022858	CLOSED	PMV	06/18/2020	N
	CHSSWA	0000022859	CLOSED	PMV	06/18/2020	N
	CHSWMH	0000022860	CLOSED	PMV	06/18/2020	N
	CHNFLARESTN	0000022861	CLOSED	PMV	06/18/2020	N
Landfill Gas						
	CHEMH	0000022495	CLOSED	PMW	04/08/2020	N
	CHEMH	0000022589	CLOSED	PMW	04/22/2020	N
	CHEMH	0000022633	CLOSED	PMW	05/03/2020	N
	CHEMH	0000022728	CLOSED	PMW	05/18/2020	N
	CHEMH	0000022827	CLOSED	PMW	06/05/2020	N
	CHEMH	0000022900	CLOSED	PMW	06/18/2020	N
	CHAREAS23	0000022553	CLOSED	PMW	04/11/2020	N
	CHAREAS23	0000022623	CLOSED	PMW	04/23/2020	N
	CHAREAS23	0000022691	CLOSED	PMW	05/05/2020	N
	CHAREAS23	0000022762	CLOSED	PMW	05/21/2020	N
	CHAREAS23	0000022815	CLOSED	PMW	06/10/2020	N
	CHAREAS23	0000022891	CLOSED	PMW	06/23/2020	N
	CHAREA6	0000022507	CLOSED	PMW	04/05/2020	N
	CHAREA6	0000022507	CLOSED	PMW	04/12/2020	N
	CHAREA6	0000022595	CLOSED	PMW	04/27/2020	Y
	CHAREA6	0000022595	CLOSED	PMW	04/28/2020	Y
	CHAREA6	0000022646	CLOSED	PMW	05/12/2020	N
	CHAREA6	0000022734	CLOSED	PMW	05/19/2020	N
	CHAREA6	0000022772	CLOSED	PMW	06/02/2020	N
	CHAREA6	0000022863	CLOSED	PMW	06/19/2020	N
	CHSEPA	0000022532	CLOSED	PMW	04/08/2020	N
	CHSEPA	0000022609	CLOSED	PMW	04/21/2020	N
	CHSEPA	0000022670	CLOSED	PMW	05/05/2020	N
	CHSEPA	0000022748	CLOSED	PMW	05/26/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHSEPA	0000022793	CLOSED	PMW	06/06/2020	N
	CHSEPA	0000022876	CLOSED	PMW	06/19/2020	N
	CHCMH	0000022499	CLOSED	PMW	04/05/2020	N
	CHCMH	0000022499	CLOSED	PMW	04/06/2020	N
	CHCMH	0000022499	CLOSED	PMW	04/07/2020	N
	CHCMH	0000022590	CLOSED	PMW	04/16/2020	N
	CHCMH	0000022590	CLOSED	PMW	04/19/2020	N
	CHCMH	0000022590	CLOSED	PMW	04/20/2020	N
	CHCMH	0000022638	CLOSED	PMW	05/01/2020	N
	CHCMH	0000022638	CLOSED	PMW	05/02/2020	N
	CHCMH	0000022638	CLOSED	PMW	05/06/2020	N
	CHCMH	0000022729	CLOSED	PMW	05/15/2020	N
	CHCMH	0000022729	CLOSED	PMW	05/16/2020	N
	CHCMH	0000022729	CLOSED	PMW	05/21/2020	N
	CHCMH	0000022831	CLOSED	PMW	06/01/2020	N
	CHCMH	0000022831	CLOSED	PMW	06/07/2020	N
	CHCMH	0000022831	CLOSED	PMW	06/08/2020	N
	CHCMH	0000022901	CLOSED	PMW	06/16/2020	N
	CHCMH	0000022901	CLOSED	PMW	06/21/2020	N
	CHCMH	0000022901	CLOSED	PMW	06/22/2020	N
	CHAREA5E	0000022542	CLOSED	PMW	04/01/2020	N
	CHAREA5E	0000022616	CLOSED	PMW	04/16/2020	N
	CHAREA5E	0000022681	CLOSED	PMW	05/06/2020	N
	CHAREA5E	0000022755	CLOSED	PMW	05/19/2020	N
	CHAREA5E	0000022803	CLOSED	PMW	06/01/2020	N
	CHAREA5E	0000022883	CLOSED	PMW	06/19/2020	N
	CHAREA5W	0000022543	CLOSED	PMW	04/08/2020	N
	CHAREA5W	0000022617	CLOSED	PMW	04/17/2020	N
	CHAREA5W	0000022682	CLOSED	PMW	05/06/2020	N
	CHAREA5W	0000022756	CLOSED	PMW	05/19/2020	N
	CHAREA5W	0000022804	CLOSED	PMW	06/01/2020	N
	CHAREA5W	0000022884	CLOSED	PMW	06/22/2020	N
Landfill Roads						
	CHSTOCKPILE	0000022573	CLOSED	PMR	04/21/2020	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHSTOCKPILE	0000022712	CLOSED	PMR	05/30/2020	N
	CHSTOCKPILE	0000022848	CLOSED	PMR	06/18/2020	N
	CHACTIVEAREA	0000022564	CLOSED	PMR	04/21/2020	N
	CHACTIVEAREA	0000022703	CLOSED	PMR	05/21/2020	N
	CHACTIVEAREA	0000022839	CLOSED	PMR	06/18/2020	N
	CHPSR	0000022566	CLOSED	PMR	04/21/2020	N
	CHPSR	0000022705	CLOSED	PMR	05/21/2020	N
	CHPSR	0000022841	CLOSED	PMR	06/18/2020	N
	CHMAINGATE	0000022565	CLOSED	PMR	04/21/2020	N
	CHMAINGATE	0000022704	CLOSED	PMR	05/21/2020	N
	CHMAINGATE	0000022840	CLOSED	PMR	06/18/2020	N
Landfill Roads						
	Sweeper	0	see Equipment Operator Spreadsheet	NA	0	N

Equipment *Click the word 'Equipment' to see Work Order Numbers*

Appendix B:
Gas Monitoring Reports

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 6-16-2020

Cal. Time: 7:12am

Technician: RB

Surveyor PJ

Calibration :

Test Instrument used: SEM 5000

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 ppm

O_2 Zero Air

Barometric Pressure		Time
Start 29.95		7:15am
Stop 30.02		4:12pm

90% response time in seconds:

1 2 seconds

2 2 seconds

3 2 seconds

avg. 2 seconds

Weather Conditions: Mostly Cloudy, Light rain

Wind Speed & Direction (out of): 3mph SE

Northing (UTM #)	Easting (10 T #)	Time	Comments
	No Exceedances		

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 6-17-2020

Cal. Time: 7:13am

Technician: RB

Surveyor PJ

Calibration :

Test Instrument used: SEM 5000

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 ppm

O_2 Zero Air

Barometric Pressure		Time
Start 30.15		6:30am
Stop 30.17		3:50pm

90% response time in seconds:

1 3 seconds

2 2 seconds

3 2 seconds

avg. 2 seconds

Weather Conditions: Partly Cloudy

Wind Speed &

Direction (out of): 6mph - SW

Northing (UTM #)	Easting (10 T #)	Time	Comments	
	No Exceedances			

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 6/17/2020

Cal. Time: 7:13am

Technician: LD

Surveyor PJ

Calibration :

Test Instrument used: SEM 5000

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 PPM

O_2 0

Barometric Pressure	Time
Start 30.15	9:15 pm
Stop 30.15	12:04 am

90% response time in seconds:

1 3 seconds

2 2 seconds

3 2 seconds

avg. 2 seconds

Weather Conditions: partly cloudy

Wind Speed & Direction (out of): NW 10mph

Northing (UTM #)	Easting (10 T #)	Time	Comments
	No Exceedances		

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 6-18-2020

Cal. Time: 6:49 am

Technician: RB

Surveyor PJ

Calibration :

Test Instrument used: SEM 5000

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 ppm

O_2 Zero Air

Barometric Pressure		Time
Start 30.14		6:40 am
Stop 30.10		11:10 am

90% response time in seconds:

1 4 seconds

2 2 seconds

3 2 seconds

avg. 2 seconds

Weather Conditions: Sunny

Wind Speed &

Direction (out of): 5 mph West

Northing (UTM #)	Easting (10 T #)	Time	Comments	
	No Exceedances			

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar hills

Date: 06/20/20

Cal. Time: 6:15

Technician: ET

Surveyor

Calibration :

Test Instrument used: SEM 5000

Cal. Gas Lot No: 4912794

Cal Gas Used:

CH_4 500 ppm

O_2 Zero Air

Barometric Pressure		Time
Start 6:15 AM		29.89
Stop 2:30 pm		29.92

90% response time in seconds:

1 2 seconds

2 3 seconds

3 4 seconds

avg. 3 seconds

Weather Conditions: Cloudy

Wind Speed & 6mph

Direction (out of): SE

Northing (UTM #)	Easting (10 T #)	Time	Comments
	NO Exceedances		

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 06/25/20

Cal. Time: 7:40 AM

Calibration :

Technician: ET

Test Instrument used: SEM 5000

Surveyor

Cal. Gas Lot No: 49129944

Cal Gas Used:

CH_4 500 ppm

O_2 Zero Air

Barometric Pressure		Time
Start 30.00		7:40 AM
Stop 29.99		4:00 PM

90% response time in seconds:

1 2 seconds

2 2 seconds

3 2 seconds

avg. 2 seconds

Weather Conditions: Clear Sky

Wind Speed & 3mph SE

Direction (out of): ~~No Exceedance~~

Northing (UTM #)	Easting (10 T #)	Time	Comments
	No Exceedance		

DNRP / King County Solid Waste
Serpentine Surface Monitoring Data

Landfill Site: Cedar Hills

Date: 06/26/20

Cal. Time: 6:15

Calibration :

Technician: ET

Test Instrument used: SEM 5000

Surveyor

Cal. Gas Lot No: 4912944

Cal Gas Used:

CH_4 500ppm

O_2 Zero Air

Barometric Pressure		Time
Start	6:30	30.00
Stop	29.93	1:15 pm

90% response time in seconds:

1 2 seconds

2 3 seconds

3 2 seconds

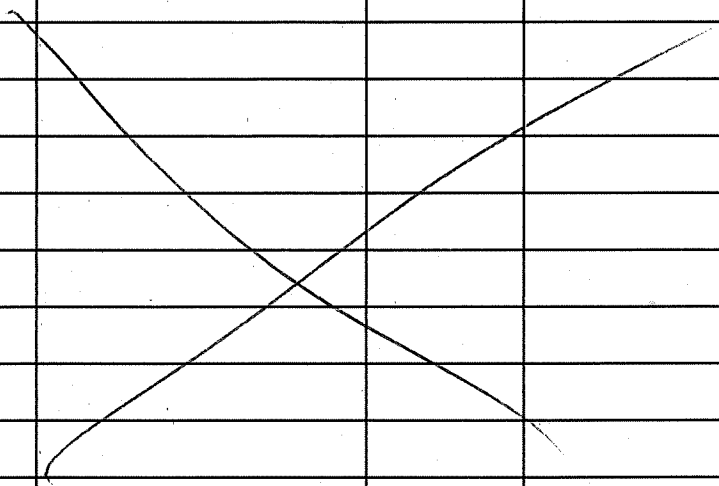
avg. 2 seconds

Weather Conditions: Clear Sky

Wind Speed & 2 mph

Direction (out of): NW

Northing (UTM #)	Easting (10 T #)	Time	Comments
	No Exceedence		



Landfill Site: Cedar Hills

Date: 7-4-2020

10 Days after Exceedance

Cal. Time: 9:35AM

Calibration :

Technician: R.S.

Test Instrument used: SEM5000

Surveyor P.J.

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 ppm

O_2 ULTRA ZERO

Barometric Pressure	Time
Start 30.08	9:35AM
Stop 30.08	10:23AM

90% response time in seconds:

1 3 seconds

2 3 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: CLEAR

Wind Speed &

Direction (out of): S 2

Northing (UTM #)	Easting (10 T #)	Time	Comments
525732	0572088	10:19AM	C-38 NO EXCEEDANCES

Landfill Site: Cedar Hills

Date: 7-3-2020

10 Days after Exceedance

Cal. Time: 11:41AM

Technician: R.S.

Surveyor P.J.

Calibration :

Test Instrument used: SEM 5000

Cal. Gas Lot No: 4912994

Cal Gas Used:

CH_4 500 ppm

O_2 0 ppm/ULTRA ZERO

Barometric Pressure	Time
Start 29.99	11:41AM
Stop 29.99	12:07PM

90% response time in seconds:

1 3 seconds

2 3 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: PARTLY CLOUDY

Wind Speed & Direction (out of): SOUTH 6 MPH

Northing (UTM #)	Easting (10 T #)	Time	Comments
5257653	0571910	12:00PM	E-54 NO EXCEEDANCE

Landfill Site: Cedar Hills

Date: 7/23/2020

30 Days after Exceedance

Cal. Time: 11:AM

Technician: B.B.

Surveyor P.J.

Calibration :

Test Instrument used: Compressed gas

Cal. Gas Lot No: 491 2994

Cal Gas Used:

CH_4 500 PPM

O_2 Zero

Barometric Pressure	Time
Start 29.90	6:20 A:M
Stop 29.97	12 P

90% response time in seconds:

1 3 seconds

2 2 seconds

3 2 seconds

avg. 2 seconds

Weather Conditions: Overcast

Wind Speed &

Direction (out of): 2 MPH SW

Northing (UTM #)	Easting (10 T #)	Time	Comments
5257653	0571910	11 AM	E-54 0ppm

Landfill Site: Cedar Hills

Date: 7/24/2020

30 Days after Exceedance

Cal. Time: 7:00

Technician: Dyc

Calibration :

Test Instrument used: SEM-5000

Surveyor PJ

Cal. Gas Lot No: 49129 94

Cal Gas Used:

CH_4 500ppm

O_2 Zero

Barometric Pressure		Time
Start	29.98	7:00
Stop	29.98	7:30

90% response time in seconds:

1 3 seconds

2 3 seconds

3 3 seconds

avg. 3 seconds

Weather Conditions: Overcast

Wind Speed &

Direction (out of): 3 mph SW

Northing (UTM #)	Easting (10 T #)	Time	Comments
525732	0572088	7:15	C-38 0ppm

Cedar Hills Regional Landfill

Quarterly Surface Emission Monitoring
Plot of GPS Generated Track Lines

JUNE 2020

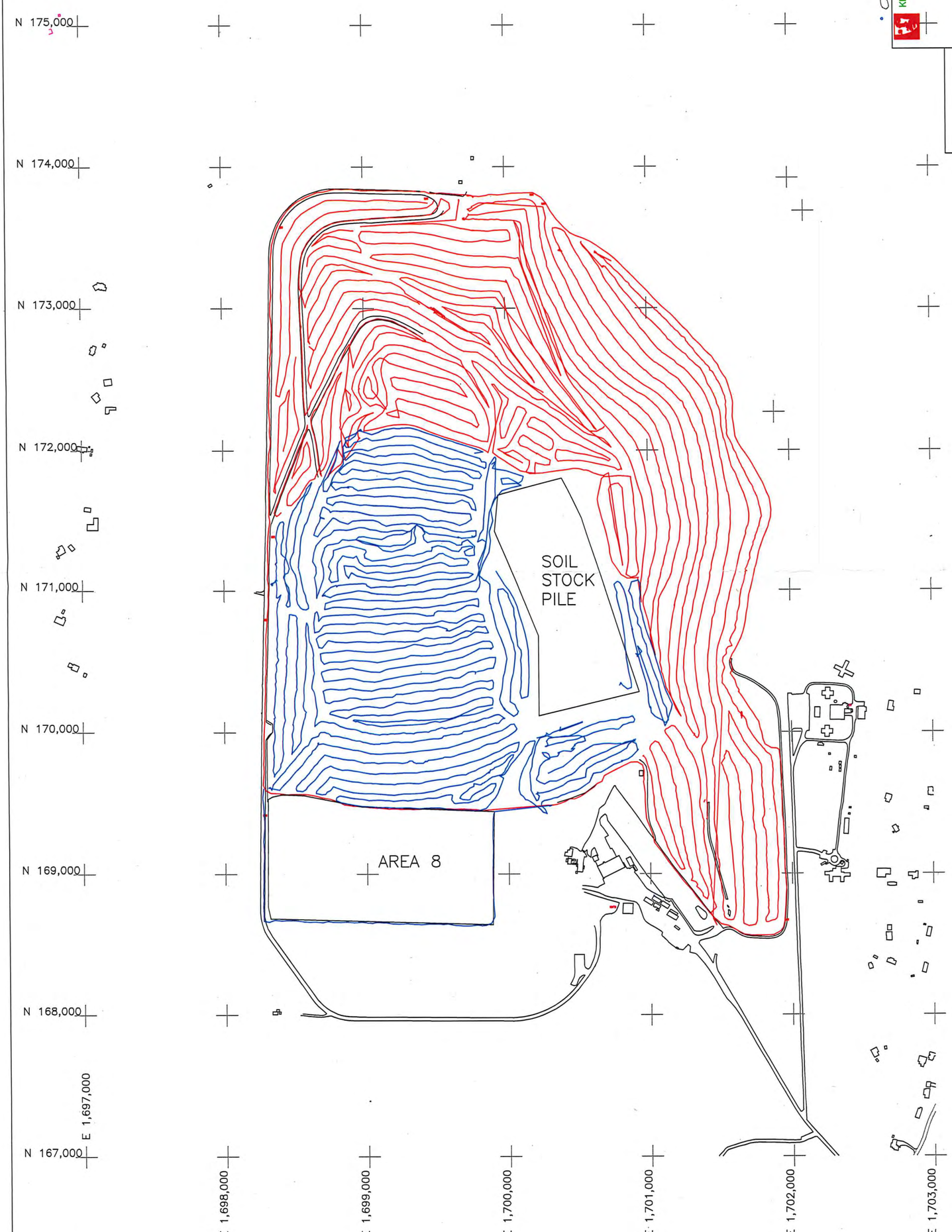
Scale 1"=800'

KING COUNTY DEPARTMENT OF NATURAL RESOURCES AND PARKS
Christie True, Director
SOLID WASTE DIVISION

CEDAR HILLS QUARTERLY
GAS EMMISIONS MONITORING

APPROVED _____ DATE 06-30-2020
RECOMMENDED _____ DATE _____
DESIGNED PJM DRAWN PJM
PROJECT NO. _____ SURVEY NO. _____ SHEET 1 OF 1

REVISION | BY | DATE



KING COUNTY SOLID WASTE
201 S JACKSON ST. SUITE 701
SEATTLE, WA. 98104-3855

KING COUNTY SOLID WASTE

CEDAR HILLS REGIONAL LANDFILL
SCALE: 1" = 800'
CONTOUR INTERVAL: 5FT.
DATE OF PHOTOGRAPHY : 01-17-00

PHOTOGRAMMETRY BY:
3 D I, LLC
3400 WEST 11TH AVE.
EUGENE, OR. 97402
(541)343-8277

JOB NO. 99-101
SHEET
1
1

WO Company: Gas King County Landfill Gas
WO Department: 7572 Waste Water, LF Gas
WO Shop: Gas Landfill Gas

TECHNICIAN COPY

WO#: 0000022836
Date In: 05/22/2020 09:57
Date Promised: 05/23/2020 09:57
Date Out: 00:00
WO Status: A Last WO#:0000022702
WO Priority: Last WO Date: 04/27/2020
Track DownTime: Y Employee:

Equipment: cedar hills License: na

Location: 20 Color:
Year: 2006 Serial: na
Make: UD Engine:
Model: UD
Class: ZZZZZZZZGS: Landfill Gas - not classified

Tire Size 1:
Tire Size 2:
Transmission:
Fuel Type1:
Fuel Type2:
Fuel Type3:
Oil Capacity: 0.000
Fuel Cap1: 0.000
Fuel Cap2: 0.000

GVW: 0
EAC: 24
Department: 7572:Waste Water, LF Gas
Company: Gas King County Landfill Gas
Site: 20:20- Cedar Hills
Monitor Group:
Comments:
Cedar Hills

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
I	A - SET AN ANNUAL DATE	07/15/2020	Annual Inspection
Q	0 - MONTHS	06/30/2020	Quarterly Inspection
S	0 - MONTHS	07/15/2020	Scheduled Inspection
X	0 - MONTHS	06/10/2020	Prohibited Activities

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	750 RB	0.00000	Gas
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	786	0.00000	Gas
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	765 B.B.	0.00000	Gas
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	763	0.00000	Gas
PMQ BS	PM Service | PMQ per list | Billable | Scheduled, Target	0	787	0.00000	Gas

NOTES

Work Order Report - WO# 0000022836 5/22/2020 9:59:35 AM

Work Order Parts List

Repair Code:
Equipment: cedar hills
Work Order: 0000022836

NO PART LIST FOR WORK ORDER REPAIR(S) AT THIS TIME.

Work Order Task List

Repair Code: PMQ BS
Equipment: cedar hills
Work Order: 0000022836

Complete?	Step	Tasks	OK	Adjust	Repair	Replace	Comments
	1	Gas- Ck liner integrity- Serpentine walk					
	1	Gas- Ck liner integrity- Serpentine walk					
	1	Gas- Ck liner integrity- Serpentine walk					
	1	Gas- Ck liner integrity- Serpentine walk					
	1	Gas- Ck liner integrity- Serpentine walk					

Rusty - 6-16-20, 8 hrs.
6-17-20, 8 hrs.

Lindsey - 6-17-20, 3 hrs.

Evan - 06/20/20 - 5hr
06/25/20 - 6hr
06/26/20 - 4hr
6/27/20 1hr

Bryce - 6/23/20 10 hrs
- 6/24/20 6 hrs
06/26/20

JP - 6/21/20 3 hrs.