

# Appendices: California Forest Biomass Pile Data Collection Report

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## **Appendix A: Embedded Emissions Worksheets in PFIRS**

1.A: PM-10 Emissions Calculations for Piles

1.B: Emission Calculations for Burning of Multiple Fuel Types

1.C: Emission Values for Prescribed Burns of Various Vegetation Types

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**Table 1**  
**PM-10 EMISSIONS CALCULATIONS FOR PILES**

1. Choose the pile size most representative of the piles on your burn site.
2. Multiply the number of piles in your project with the corresponding "Tons of PM10/Pile" value to get the total PM-10 tonnage.

PM10 EMISSIONS FOR SPECIFIED PILE SIZES		
PILE SIZE (in feet)	Pile Tonnage	TONS OF PM10/PILE
4' diameter x 3' height	0.056	0.0005
5' diameter x 4' height	0.12	0.001
6' diameter x 5' height	0.21	0.002
8' diameter x 6' height	0.45	0.004
10' diameter x 6' height	0.71	0.007
12' diameter x 8' height	1.3	0.01
15' diameter x 8' height	2.1	0.02
20' diameter x 10' height	4.7	0.04
25' diameter x 10' height	7.4	0.07
50' diameter x 10' height	29	0.3
Pile Tonnage calculated using paraboloid volume formula <sup>a</sup> multiplied by 30 lbs/cu.ft, multiplied by 0.2 packing ratio <sup>b</sup>		
U.S. Forest Service's Conformity Handbook, Table 6 -- PM10 Emissions Factor of 19.0 pounds/ton of fuel burned - average pile and burn slash		
Revised 2/13/2001		

- a. Formula used for Paraboloid Volume (cu.ft.) =  $3.1416 \times [\text{height} \times (\text{diameter})^2] / 8$  (see Reference b. below).
- b. USDA (2/1996). Forest Service General Technical Report. Report Number: PNW-GTR-364.

**Table 2**  
**PM 10 EMISSION CALCULATION FOR BURNING OF MULTIPLE FUEL TYPES<sup>1,2</sup>**

Section 80160 (b) of Subchapter 2 Smoke Management Guidelines for Agricultural and Prescribed Burning, Title 17, California Administrative Code states, "requires the submittal of smoke management plans for all burn projects greater than 10 acres in size or estimated to produce more than 1 ton of particulate matter". To determine what the particulate matter (PM 10) amount is of your burn project please use the equation below and review the following examples.

**Information needed for PM 10 Calculations:**

- a. VT = Vegetation type
- b. ACRES VT = Estimated number of acres for VT
- c. FL est. = Estimated fuel loading in VT TONS per ACRE
- d. EV = PM10 emission/ton of fuel

Calculating PM10 Emissions from Prescribed Burning of multiple vegetation types:

$$\begin{aligned}
 \text{PM10 ton(s) emissions per VT} &= (\text{number of acres VT}) (\text{FL tons per acre}) (\text{Emission Value (EV)}) = \underline{\hspace{2cm}} \text{ ton(s)/VT} \\
 \text{PM10 ton(s) emissions per VT} &= (\text{number of acres VT}) (\text{FL tons per acre}) (\text{Emission Value (EV)}) = \underline{\hspace{2cm}} \text{ ton(s)/VT} \\
 \text{Sum Total is the Estimated PM 10 for the project} &= \underline{\hspace{2cm}} \text{ ton(s)/project}
 \end{aligned}$$

VEGETATION TYPE(S)	ACRES (VT)	x	FL est.	x	EV <sup>1</sup>	PM10 EMISSIONS (ton(s))
Basing Sage/Low Sage	( )	x	( )	x	(0.010) =	_____
Ceanothus	( )	x	( )	x	(0.010) =	_____
Chamise	( )	x	( )	x	(0.009) =	_____
Giant Sequoia	( )	x	( )	x	(0.007) =	_____
Grass/Forb	( )	x	( )	x	(0.007) =	_____
Hackberry Oak	( )	x	( )	x	(0.005) =	_____
Hardwood (Stocked)	( )	x	( )	x	(0.003) =	_____
Hardwood (Non-stocked)	( )	x	( )	x	(0.003) =	_____
Jeffrey Pine/Knobcone	( )	x	( )	x	(0.007) =	_____
Live Oak (Canyon)	( )	x	( )	x	(0.007) =	_____
Live Oak (Interior)	( )	x	( )	x	(0.007) =	_____
Lodgepole Pine	( )	x	( )	x	(0.007) =	_____
Manzanita (Productive Brush)	( )	x	( )	x	(0.009) =	_____
Mixed Chaparral/Montane	( )	x	( )	x	(0.008) =	_____
Mixed Conifer	( )	x	( )	x	(0.006) =	_____
Oak (Black)	( )	x	( )	x	(0.005) =	_____
Oak (Blue)	( )	x	( )	x	(0.003) =	_____
Oak (White)	( )	x	( )	x	(0.003) =	_____
Pinyon Pine	( )	x	( )	x	(0.007) =	_____
Ponderosa Pine, Gray Pine	( )	x	( )	x	(0.007) =	_____
Red Fir	( )	x	( )	x	(0.007) =	_____
Wet Meadow	( )	x	( )	x	(0.004) =	_____
Willow	( )	x	( )	x	(0.007) =	_____
<b>Sum Total of the Estimated PM10 for the project in <u>tons/project</u></b>						<b>= _____</b>

1. See Table 3 on next page for values used to calculate EVs.  
 2. For vegetation types not listed, contact Air District for assistance with determining appropriate emission factors.



**Table 3**

**EMISSION VALUES (EV) FOR PRESCRIBED BURNS OF VARIOUS VEGETATION TYPES\***

Estimated PM10 emission values for various vegetation types = (% combustion) x (PM10 emission lbs/ton) x (1 ton/2000 lbs)\*

VEGETATION	%Combustion		PM Emissions (lbs/ton fuel)		Coverision Factor	PM10 EMISSION VALUE (PM10 ton emissions/ton fuel)
Basing Sage/Low Sage	= (1.0)	x	(20.17 lbs/ton)	x	(1 ton/2000 lbs)	= 0.010
Ceanothus	= (1.0)	x	(20.17 lbs/ton)	x	(1 ton/2000 lbs)	= 0.010
Chamise	= (0.9)	x	(20.17 lbs/ton)	x	(1 ton/2000 lbs)	= 0.009
Giant Sequoia	= (0.6)	x	(25 lbs/ton)	x	(1 ton/2000 lbs)	= 0.007
Grass/Forb	= (1.0)	x	(15 lbs/ton)	x	(1 ton/2000 lbs)	= 0.007
Hackberry Oak	= (0.4)	x	(25 lbs/ton)	x	(1 ton/2000 lbs)	= 0.005
Hardwood (Stocked)	= (0.4)	x	(15 lbs/ton)	x	(1 ton/2000 lbs)	= 0.003
Hardwood (Non-stocked)	= (0.4)	x	(15 lbs/ton)	x	(1 ton/2000 lbs)	= 0.003
Jeffrey Pine/Knobcone	= (0.6)	x	(25 lbs/ton)	x	(1 ton/2000 lbs)	= 0.007
Live Oak (Canyon)	= (0.6)	x	(25 lbs/ton)	x	(1 ton/2000 lbs)	= 0.007
Live Oak (Interior)	= (0.6)	x	(25 lbs/ton)	x	(1 ton/2000 lbs)	= 0.007
Lodgepole Pine	= (0.6)	x	(25 lbs/ton)	x	(1 ton/2000 lbs)	= 0.007
Manzanita (Productive Brush)	= (0.9)	x	(20.17 lbs/ton)	x	(1 ton/2000 lbs)	= 0.009
Mixed Chaparral/Montane	= (0.8)	x	(20.17 lbs/ton)	x	(1 ton/2000 lbs)	= 0.008
Mixed Conifer	= (0.6)	x	(20.5 lbs/ton)	x	(1 ton/2000 lbs)	= 0.006
Oak (Black)	= (0.4)	x	(25 lbs/ton)	x	(1 ton/2000 lbs)	= 0.005
Oak (Blue)	= (0.4)	x	(15 lbs/ton)	x	(1 ton/2000 lbs)	= 0.003
Oak (White)	= (0.4)	x	(15 lbs/ton)	x	(1 ton/2000 lbs)	= 0.003
Pinyon Pine	= (0.6)	x	(22 lbs/ton)	x	(1 ton/2000 lbs)	= 0.007
Ponderosa Pine, Gray Pine	= (0.6)	x	(25 lbs/ton)	x	(1 ton/2000 lbs)	= 0.007
Red Fir	= (0.6)	x	(23.1 lbs/ton)	x	(1 ton/2000 lbs)	= 0.007
Wet Meadow	= (0.6)	x	(15 lbs/ton)	x	(1 ton/2000 lbs)	= 0.004
Willow	= (0.6)	x	(25 lbs/ton)	x	(1 ton/2000 lbs)	= 0.007

\* Percent combustion and PM10 emission factors for various fuel types derived from Table 8, Section 6, "Air Quality Conformity Handbook" from the USDA-Forest Service Air Resources / Fire Management Pacific Southwest Region dated November 1995.

\*\* These are the vegetation's estimated emissions values (EV) from the vegetation type as determined above to be use when the burn operator provides the vegetation's fuel loading estimate per acre.

\*\*\* For additional information on emissions factors, see EPA document AP-42: "Compilation of Air Pollutant Emission Factors. Volume 1: Stationary Point and Area Sources," Fifth Edition, AP-42, January 1995, U.S. EPA. Table 2.5-5.

**Appendix B:**  
CAL FIRE Memo on PFIRS Use

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# Memorandum

To: Region Chiefs  
Assistant Region Chiefs  
Unit Chiefs  
Unit Foresters

Date: October 5, 2018

Telephone: (916) 653-9446

Website: [www.fire.ca.gov](http://www.fire.ca.gov)



From: Matthew Reischman  
Assistant Deputy Director, Resource Protection and Improvement  
**California Department of Forestry and Fire Protection (CAL FIRE)**

Subject: Vegetation Management Program, Smoke Management Planning -  
Use of the Prescribed Fire Incident Reporting System (PFIRS)

CAL FIRE and the California Air Resources Board (CARB) are jointly working to improve the information available on the statewide use of prescribed fire. We are interested in centralizing information regarding the location and timing of prescribed burns to facilitate air quality monitoring designed to better understand the potential impacts on the air sheds. A comprehensive use of the PFIRS will help this effort. This information is intended to reduce the uncertainty of smoke impacts and allow CARB to allocate more permissive burn-days per year. Ultimately this will support our efforts to increase the use of prescribed fire statewide.

Effective immediately all projects being counted in CalMAPPER as broadcast burn acres with CAL FIRE involvement will be entered into the PFIRS at least two weeks prior to the planned ignition date. Pile burn acres will not be entered into the PFIRS to avoid double counting of acres in CalMAPPER.

The link below will take you to the PFIRS web page where you can login if you have an account. If you do not have an account you can request one by clicking on the support tab.

<https://ssl.arb.ca.gov/pfirs/index.php>

PFIRS training sessions will be available for anyone who has not used PFIRS in the past or would like a refresher course.

If you have any questions contact Tony Mediati at [tony.mediati@fire.ca.gov](mailto:tony.mediati@fire.ca.gov).

**Appendix C:**  
Burn Success Analysis Data

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Air District	Year	Longitude		Burn Date	Acres Burned	Acres Requested	Number of Burns by Location	Cumulative Acres Burned by Location	Modeled Request Type	Probability of a Daily Request	Assigned Cluster #	Plan Type - More Detail
		Latitude	Longitude									
Modoc	2020-2021	41.105	-120.563	3/9/2021	1	2	1	1	day_req	NA	NA	single_day
Modoc	2020-2021	41.57	-120.393	1/14/2021	68	40	3	68	seas_req	0.034	2	seasonal
Modoc	2020-2021	41.57	-120.393	1/26/2021	45	200	3	113	seas_req	0.034	2	seasonal
Modoc	2020-2021	41.57	-120.393	3/1/2021	20	40	3	133	seas_req	0.034	2	seasonal
Modoc	2020-2021	41.779	-120.349	5/26/2021	90	90	2	90	day_req	0.99	6	daily
Modoc	2020-2021	41.779	-120.349	5/27/2021	71	71	2	161	day_req	0.99	6	daily
Modoc	2020-2021	41.783	-120.354	5/28/2021	0	40	1	0	day_req	NA	NA	single_day
Modoc	2020-2021	41.864	-120.598	5/11/2021	29	29	1	29	day_req	NA	NA	single_day
Modoc	2020-2021	41.948	-121.28	2/3/2021	25	200	6	25	seas_req	0.222	7	seasonal
Modoc	2020-2021	41.948	-121.28	2/4/2021	212	300	6	237	seas_req	0.222	7	seasonal
Modoc	2020-2021	41.948	-121.28	2/5/2021	89	300	6	326	seas_req	0.222	7	seasonal
Modoc	2020-2021	41.948	-121.28	2/6/2021	243	300	6	569	seas_req	0.222	7	seasonal
Modoc	2020-2021	41.948	-121.28	2/10/2021	0	242	6	569	seas_req	0.222	7	seasonal
Modoc	2020-2021	41.948	-121.28	3/16/2021	122	122	6	691	seas_req	0.222	7	seasonal
Siskiyou	2018-2019	41.2	-122.304	12/11/2018	20	109	2	20	seas_req	0.002	7	seasonal
Siskiyou	2018-2019	41.2	-122.304	1/8/2019	30	109	2	50	seas_req	0.002	7	seasonal
Siskiyou	2018-2019	41.216	-121.726	12/7/2018	101.5	101.5	1	101.5	day_req	NA	NA	single_day
Siskiyou	2018-2019	41.227	-121.663	11/30/2018	30	30	2	30	day_req	0.956	6	daily
Siskiyou	2018-2019	41.227	-121.663	12/3/2018	26	26	2	56	day_req	0.956	6	daily
Siskiyou	2018-2019	41.246	-122.318	12/7/2018	15	43.5	2	15	seas_req	0.08	7	seasonal
Siskiyou	2018-2019	41.246	-122.318	1/7/2019	38	43.5	2	53	seas_req	0.08	7	seasonal
Siskiyou	2018-2019	41.255	-121.936	10/19/2018	0	194	4	0	seas_req	0.012	7	seasonal
Siskiyou	2018-2019	41.255	-121.936	10/20/2018	0	194	4	0	seas_req	0.012	7	seasonal
Siskiyou	2018-2019	41.255	-121.936	10/21/2018	0	194	4	0	seas_req	0.012	7	seasonal
Siskiyou	2018-2019	41.255	-121.936	10/22/2018	194	194	4	194	seas_req	0.012	7	seasonal
Siskiyou	2018-2019	41.261	-121.935	10/19/2018	0	213	4	0	seas_req	0.02	2	seasonal
Siskiyou	2018-2019	41.261	-121.935	10/21/2018	0	213	4	0	seas_req	0.02	2	seasonal
Siskiyou	2018-2019	41.261	-121.935	10/22/2018	0	213	4	0	seas_req	0.02	2	seasonal
Siskiyou	2018-2019	41.261	-121.935	10/26/2018	173	173	4	173	seas_req	0.02	2	seasonal
Siskiyou	2018-2019	41.261	-121.65	12/6/2018	46.5	46.5	1	46.5	day_req	NA	NA	single_day
Siskiyou	2018-2019	41.271	-122.069	12/10/2018	20	20	1	20	day_req	NA	NA	single_day
Siskiyou	2018-2019	41.291	-121.883	10/19/2018	230	230	1	230	day_req	NA	NA	single_day
Siskiyou	2018-2019	41.31	-122.033	10/13/2018	83	339	3	83	seas_req	0.068	2	seasonal
Siskiyou	2018-2019	41.31	-122.033	10/16/2018	0	256	3	83	seas_req	0.068	2	seasonal
Siskiyou	2018-2019	41.31	-122.033	10/17/2018	256	256	3	339	seas_req	0.068	2	seasonal
Siskiyou	2018-2019	41.312	-122.196	11/27/2018	150	378	5	150	seas_req	0.21	7	seasonal
Siskiyou	2018-2019	41.312	-122.196	11/28/2018	80	309	5	230	seas_req	0.21	7	seasonal

Siskiyou	2018-2019	41.312	-122.196	12/3/2018	45	69	5	275 seas_req	0.21	7 seasonal
Siskiyou	2018-2019	41.312	-122.196	12/4/2018	20	24	5	295 seas_req	0.21	7 seasonal
Siskiyou	2018-2019	41.312	-122.196	12/10/2018	4	4	5	299 seas_req	0.21	7 seasonal
Siskiyou	2018-2019	41.33	-121.725	12/10/2018	0	39	2	0 day_req	0.892	6 daily
Siskiyou	2018-2019	41.33	-121.725	12/12/2018	39	39	2	39 day_req	0.892	6 daily
Siskiyou	2018-2019	41.353	-121.941	11/28/2018	4	4	1	4 day_req	NA	single_day
Siskiyou	2018-2019	41.358	-121.986	11/28/2018	0	164	5	0 seas_req	0.01	7 seasonal
Siskiyou	2018-2019	41.358	-121.986	11/29/2018	80	164	5	80 seas_req	0.01	7 seasonal
Siskiyou	2018-2019	41.358	-121.986	12/10/2018	0	60	5	80 seas_req	0.01	7 seasonal
Siskiyou	2018-2019	41.358	-121.986	12/11/2018	50	60	5	130 seas_req	0.01	7 seasonal
Siskiyou	2018-2019	41.358	-121.986	12/13/2018	34	34	5	164 seas_req	0.01	7 seasonal
Siskiyou	2018-2019	41.401	-122.05	12/6/2018	145	145	1	145 day_req	NA	single_day
Siskiyou	2018-2019	41.42	-121.5	11/27/2018	0	200	2	0 seas_req	0.002	7 seasonal
Siskiyou	2018-2019	41.42	-121.5	12/4/2018	0	200	2	0 seas_req	0.002	7 seasonal
Siskiyou	2018-2019	41.425	-121.741	10/12/2018	340	340	1	340 day_req	NA	single_day
Siskiyou	2018-2019	41.432	-121.788	10/14/2018	0	597	3	0 day_req	0.99	8 daily
Siskiyou	2018-2019	41.432	-121.788	10/17/2018	0	597	3	0 day_req	0.99	8 daily
Siskiyou	2018-2019	41.432	-121.788	10/18/2018	1194	1194	3	1194 day_req	0.99	8 daily
Siskiyou	2018-2019	41.433	-121.746	10/18/2018	88	88	1	88 day_req	NA	single_day
Siskiyou	2018-2019	41.44	-121.784	12/13/2018	20	27	1	20 day_req	NA	single_day
Siskiyou	2018-2019	41.443	-121.49	10/26/2018	10	10	1	10 day_req	NA	single_day
Siskiyou	2018-2019	41.449	-121.492	10/27/2018	9	9	1	9 day_req	NA	single_day
Siskiyou	2018-2019	41.449	-121.482	10/25/2018	57	57	1	57 day_req	NA	single_day
Siskiyou	2018-2019	41.45	-121.486	10/25/2018	14	14	1	14 day_req	NA	single_day
Siskiyou	2018-2019	41.457	-121.481	10/26/2018	52	52	2	52 day_req	0.97	6 daily
Siskiyou	2018-2019	41.457	-121.481	10/27/2018	31	31	2	83 day_req	0.97	6 daily
Siskiyou	2019-2020	41.751	-122.188	9/14/2019	1	142	1	1 day_req	NA	single_day
Siskiyou	2020-2021	41.22	-122.23	1/24/2021	0	2	1	0 day_req	NA	single_day
Siskiyou	2020-2021	41.232	-123.023	1/11/2021	0	20	1	0 day_req	NA	single_day
Siskiyou	2020-2021	41.235	-123.023	12/9/2020	20	20	1	20 day_req	NA	single_day
Siskiyou	2020-2021	41.248	-123.089	12/9/2020	17	19	1	17 day_req	NA	single_day
Siskiyou	2020-2021	41.252	-123.074	12/22/2020	78	38	1	78 day_req	NA	single_day
Siskiyou	2020-2021	41.26	-123.035	12/9/2020	0	6	1	0 day_req	NA	single_day
Siskiyou	2020-2021	41.264	-123.201	12/3/2020	6	6	1	6 day_req	NA	single_day
Siskiyou	2020-2021	41.265	-123.086	12/22/2020	20	65	1	20 day_req	NA	single_day
Siskiyou	2020-2021	41.267	-123.203	12/3/2020	19	19	1	19 day_req	NA	single_day
Siskiyou	2020-2021	41.268	-123.197	12/2/2020	4	4	1	4 day_req	NA	single_day
Siskiyou	2020-2021	41.269	-123.22	12/7/2020	5	5	1	5 day_req	NA	single_day
Siskiyou	2020-2021	41.269	-123.211	12/3/2020	7	7	1	7 day_req	NA	single_day
Siskiyou	2020-2021	41.27	-123.212	12/7/2020	6	6	1	6 day_req	NA	single_day

Siskiyou	2020-2021	41.271	-123.09	12/22/2020	35	30	1	35 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.273	-123.205	12/3/2020	7	7	1	7 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.28	-123.105	12/12/2020	35	5	1	35 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.285	-123.105	12/12/2020	0	51	2	0 seas_req		0	7 seasonal
Siskiyou	2020-2021	41.285	-123.105	3/8/2021	0	30	2	0 seas_req		0	7 seasonal
Siskiyou	2020-2021	41.288	-123.126	1/26/2021	4	4	1	4 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.297	-123.067	1/26/2021	2.5	3	1	2.5 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.311	-123.035	1/26/2021	0	140	1	0 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.312	-123.046	1/26/2021	0	24	1	0 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.312	-122.196	1/7/2021	20	61	1	20 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.321	-122.293	11/13/2020	5	6	4	5 day_req		0.94	6 daily
Siskiyou	2020-2021	41.321	-122.293	11/14/2020	20	12	4	25 day_req		0.94	6 daily
Siskiyou	2020-2021	41.321	-122.293	12/9/2020	12	12	4	37 day_req		0.94	6 daily
Siskiyou	2020-2021	41.321	-122.293	12/11/2020	10	10	4	47 day_req		0.94	6 daily
Siskiyou	2020-2021	41.62	-123.013	12/29/2020	0	100	1	0 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.629	-121.814	5/4/2021	411	411	1	411 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.647	-122.776	1/4/2021	75	75	1	75 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.663	-122.758	1/4/2021	69	69	1	69 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.676	-122.74	1/4/2021	55	55	1	55 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.686	-123.015	12/29/2020	31	31	1	31 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.721	-123.364	1/5/2021	15	50	4	15 seas_req		0.074	7 seasonal
Siskiyou	2020-2021	41.721	-123.364	1/13/2021	10	15	4	25 seas_req		0.074	7 seasonal
Siskiyou	2020-2021	41.721	-123.364	1/19/2021	25	15	4	50 seas_req		0.074	7 seasonal
Siskiyou	2020-2021	41.721	-123.364	1/25/2021	0	20	4	50 seas_req		0.074	7 seasonal
Siskiyou	2020-2021	41.721	-122.944	1/4/2021	225	225	1	225 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.728	-122.934	12/30/2020	58	58	1	58 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.729	-122.724	12/16/2020	0	10	13	0 seas_req		0.01	2 seasonal
Siskiyou	2020-2021	41.729	-122.724	1/5/2021	0	10	13	0 seas_req		0.01	2 seasonal
Siskiyou	2020-2021	41.729	-122.724	1/6/2021	0	10	13	0 seas_req		0.01	2 seasonal
Siskiyou	2020-2021	41.729	-122.724	1/7/2021	0	10	13	0 seas_req		0.01	2 seasonal
Siskiyou	2020-2021	41.729	-122.724	1/19/2021	0	10	13	0 seas_req		0.01	2 seasonal
Siskiyou	2020-2021	41.729	-122.724	1/25/2021	0	15	13	0 seas_req		0.01	2 seasonal
Siskiyou	2020-2021	41.729	-122.724	1/26/2021	7	20	13	7 seas_req		0.01	2 seasonal
Siskiyou	2020-2021	41.729	-122.724	2/1/2021	19	5	13	26 seas_req		0.01	2 seasonal
Siskiyou	2020-2021	41.729	-122.724	2/2/2021	2	15	13	28 seas_req		0.01	2 seasonal
Siskiyou	2020-2021	41.729	-122.724	2/8/2021	0	5	13	28 seas_req		0.01	2 seasonal
Siskiyou	2020-2021	41.729	-122.724	3/2/2021	0	12	13	28 seas_req		0.01	2 seasonal
Siskiyou	2020-2021	41.729	-122.724	3/8/2021	0	12	13	28 seas_req		0.01	2 seasonal
Siskiyou	2020-2021	41.729	-122.724	3/9/2021	12	12	13	40 seas_req		0.01	2 seasonal
Siskiyou	2020-2021	41.735	-122.702	2/2/2021	6	15	11	6 day_req		0.818	1 daily

Siskiyou	2020-2021	41.735	-122.702	2/3/2021	0	10	11	6 day_req	0.818	1 daily	
Siskiyou	2020-2021	41.735	-122.702	2/4/2021	30	10	11	36 day_req	0.818	1 daily	
Siskiyou	2020-2021	41.735	-122.702	2/5/2021	0	10	11	36 day_req	0.818	1 daily	
Siskiyou	2020-2021	41.735	-122.702	2/8/2021	0	25	11	36 day_req	0.818	1 daily	
Siskiyou	2020-2021	41.735	-122.702	2/9/2021	8	20	11	44 day_req	0.818	1 daily	
Siskiyou	2020-2021	41.735	-122.702	2/10/2021	2.5	10	11	46.5 day_req	0.818	1 daily	
Siskiyou	2020-2021	41.735	-122.702	2/11/2021	18	10	11	64.5 day_req	0.818	1 daily	
Siskiyou	2020-2021	41.735	-122.702	2/16/2021	10	10	11	74.5 day_req	0.818	1 daily	
Siskiyou	2020-2021	41.735	-122.702	2/17/2021	8	10	11	82.5 day_req	0.818	1 daily	
Siskiyou	2020-2021	41.735	-122.702	2/18/2021	71	30	11	153.5 day_req	0.818	1 daily	
Siskiyou	2020-2021	41.741	-122.97	1/4/2021	3	3	1	3 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.743	-122.987	1/5/2021	24	24	1	24 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.743	-122.72	12/16/2020	25	10	6	25 day_req	0.95	1 daily	
Siskiyou	2020-2021	41.743	-122.72	12/17/2020	15	25	6	40 day_req	0.95	1 daily	
Siskiyou	2020-2021	41.743	-122.72	3/1/2021	0	25	6	40 day_req	0.95	1 daily	
Siskiyou	2020-2021	41.743	-122.72	3/2/2021	0	10	6	40 day_req	0.95	1 daily	
Siskiyou	2020-2021	41.743	-122.72	3/8/2021	85	25	6	125 day_req	0.95	1 daily	
Siskiyou	2020-2021	41.743	-122.72	4/29/2021	0	25	6	125 day_req	0.95	1 daily	
Siskiyou	2020-2021	41.747	-122.777	12/11/2020	0	10	2	0 seas_req	0.004	7 seasonal	
Siskiyou	2020-2021	41.747	-122.777	12/15/2020	7	10	2	7 seas_req	0.004	7 seasonal	
Siskiyou	2020-2021	41.758	-122.801	12/1/2020	0	20	2	0 seas_req	0	7 seasonal	
Siskiyou	2020-2021	41.758	-122.801	12/10/2020	0	25	2	0 seas_req	0	7 seasonal	
Siskiyou	2020-2021	41.782	-122.942	1/4/2021	19	19	1	19 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.784	-123.255	1/27/2021	3	25	2	3 seas_req	0.004	7 seasonal	
Siskiyou	2020-2021	41.784	-123.255	1/28/2021	3	10	2	6 seas_req	0.004	7 seasonal	
Siskiyou	2020-2021	41.786	-122.97	1/4/2021	38	38	1	38 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.788	-123.011	1/5/2021	119	119	1	119 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.798	-122.95	1/4/2021	37	37	1	37 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.803	-122.994	1/4/2021	37	37	1	37 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.813	-123.216	1/28/2021	0	11	1	0 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.814	-122.944	1/5/2021	10	10	1	10 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.815	-122.249	12/29/2020	82	82	1	82 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.817	-122.984	1/5/2021	162	162	1	162 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.818	-123.184	1/6/2021	10	25	1	10 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.838	-123.034	2/17/2021	3	20	3	3 seas_req	0.004	2 seasonal	
Siskiyou	2020-2021	41.838	-123.034	3/16/2021	1	20	3	4 seas_req	0.004	2 seasonal	
Siskiyou	2020-2021	41.838	-123.034	3/17/2021	1	23	3	5 seas_req	0.004	2 seasonal	
Siskiyou	2020-2021	41.84	-123.035	2/16/2021	10	65	6	10 seas_req	0.008	7 seasonal	
Siskiyou	2020-2021	41.84	-123.035	2/17/2021	10	20	6	20 seas_req	0.008	7 seasonal	
Siskiyou	2020-2021	41.84	-123.035	2/25/2021	10	20	6	30 seas_req	0.008	7 seasonal	



Siskiyou	2020-2021	41.84	-123.035	3/1/2021	10	20	6	40 seas_req	0.008	7 seasonal	
Siskiyou	2020-2021	41.84	-123.035	3/8/2021	10	20	6	50 seas_req	0.008	7 seasonal	
Siskiyou	2020-2021	41.84	-123.035	3/9/2021	10	25	6	60 seas_req	0.008	7 seasonal	
Siskiyou	2020-2021	41.851	-122.867	2/22/2021	6	11	2	6 seas_req	0.214	7 seasonal	
Siskiyou	2020-2021	41.851	-122.867	2/23/2021	5	11	2	11 seas_req	0.214	7 seasonal	
Siskiyou	2020-2021	41.861	-122.75	2/2/2021	79	82	4	79 seas_req	0.03	7 seasonal	
Siskiyou	2020-2021	41.861	-122.75	2/3/2021	1	57	4	80 seas_req	0.03	7 seasonal	
Siskiyou	2020-2021	41.861	-122.75	2/4/2021	1	57	4	81 seas_req	0.03	7 seasonal	
Siskiyou	2020-2021	41.861	-122.75	2/8/2021	1	15	4	82 seas_req	0.03	7 seasonal	
Siskiyou	2020-2021	41.865	-122.919	2/10/2021	1	30	2	1 seas_req	0	2 seasonal	
Siskiyou	2020-2021	41.865	-122.919	2/11/2021	15	15	2	16 seas_req	0	2 seasonal	
Siskiyou	2020-2021	41.87	-122.76	2/8/2021	15	64	1	15 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.873	-122.835	1/19/2021	0	74	1	0 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.874	-122.84	1/19/2021	0.1	24	1	0.1 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.875	-122.876	1/7/2021	60	83	3	60 seas_req	0.032	7 seasonal	
Siskiyou	2020-2021	41.875	-122.876	1/12/2021	10	63	3	70 seas_req	0.032	7 seasonal	
Siskiyou	2020-2021	41.875	-122.876	1/13/2021	10	49	3	80 seas_req	0.032	7 seasonal	
Siskiyou	2020-2021	41.876	-122.847	1/19/2021	2	27	2	2 seas_req	0	7 seasonal	
Siskiyou	2020-2021	41.876	-122.847	1/20/2021	0.1	27	2	2.1 seas_req	0	7 seasonal	
Siskiyou	2020-2021	41.877	-122.874	2/22/2021	7	7	1	7 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.878	-122.848	1/19/2021	0	44	1	0 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.88	-122.841	12/16/2020	0	21	4	0 seas_req	0	7 seasonal	
Siskiyou	2020-2021	41.88	-122.841	1/19/2021	0	21	4	0 seas_req	0	7 seasonal	
Siskiyou	2020-2021	41.88	-122.841	1/21/2021	2	21	4	2 seas_req	0	7 seasonal	
Siskiyou	2020-2021	41.88	-122.841	1/22/2021	6	48	4	8 seas_req	0	7 seasonal	
Siskiyou	2020-2021	41.881	-122.845	12/15/2020	0	39	4	0 seas_req	0.002	7 seasonal	
Siskiyou	2020-2021	41.881	-122.845	1/19/2021	30	39	4	30 seas_req	0.002	7 seasonal	
Siskiyou	2020-2021	41.881	-122.845	1/21/2021	3	39	4	33 seas_req	0.002	7 seasonal	
Siskiyou	2020-2021	41.881	-122.845	1/22/2021	1	15	4	34 seas_req	0.002	7 seasonal	
Siskiyou	2020-2021	41.882	-122.844	12/14/2020	0	29	3	0 seas_req	0	7 seasonal	
Siskiyou	2020-2021	41.882	-122.844	1/19/2021	0.1	29	3	0.1 seas_req	0	7 seasonal	
Siskiyou	2020-2021	41.882	-122.844	1/22/2021	0.1	29	3	0.2 seas_req	0	7 seasonal	
Siskiyou	2020-2021	41.887	-122.849	12/14/2020	0	10	3	0 seas_req	0.002	7 seasonal	
Siskiyou	2020-2021	41.887	-122.849	1/19/2021	0.1	10	3	0.1 seas_req	0.002	7 seasonal	
Siskiyou	2020-2021	41.887	-122.849	1/21/2021	0.1	10	3	0.2 seas_req	0.002	7 seasonal	
Siskiyou	2020-2021	41.9	-121.86	1/8/2021	55	55	2	55 day_req	0.864	1 daily	
Siskiyou	2020-2021	41.9	-121.86	3/1/2021	68	20	2	123 day_req	0.864	1 daily	
Siskiyou	2020-2021	41.902	-122.161	12/29/2020	76	76	1	76 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.905	-122.831	12/14/2020	0.1	33	1	0.1 day_req	NA	NA	single_day
Siskiyou	2020-2021	41.91	-122.231	12/29/2020	100	100	1	100 day_req	NA	NA	single_day

Siskiyou	2020-2021	41.928	-122.829	12/17/2020	38	40	5	38 day_req	0.646	6 daily
Siskiyou	2020-2021	41.928	-122.829	1/4/2021	13	40	5	51 day_req	0.646	6 daily
Siskiyou	2020-2021	41.928	-122.829	1/14/2021	13	12	5	64 day_req	0.646	6 daily
Siskiyou	2020-2021	41.928	-122.829	1/21/2021	6	6	5	70 day_req	0.646	6 daily
Siskiyou	2020-2021	41.928	-122.829	2/24/2021	6	6	5	76 day_req	0.646	6 daily
North Coast	2018-2019	36.36	-120.789	6/11/2019	0	15	2	0 seas_req	0.012	7 seasonal
North Coast	2018-2019	36.36	-120.789	6/12/2019	0	14	2	0 seas_req	0.012	7 seasonal
North Coast	2019-2020	40.599	-122.874	2/3/2020	5	5	10	5 day_req	0.978	6 daily
North Coast	2019-2020	40.599	-122.874	2/20/2020	5	5	10	10 day_req	0.978	6 daily
North Coast	2019-2020	40.599	-122.874	2/21/2020	5	5	10	15 day_req	0.978	6 daily
North Coast	2019-2020	40.599	-122.874	3/2/2020	5	5	10	20 day_req	0.978	6 daily
North Coast	2019-2020	40.599	-122.874	3/3/2020	5	5	10	25 day_req	0.978	6 daily
North Coast	2019-2020	40.599	-122.874	3/4/2020	5	5	10	30 day_req	0.978	6 daily
North Coast	2019-2020	40.599	-122.874	3/5/2020	5	5	10	35 day_req	0.978	6 daily
North Coast	2019-2020	40.599	-122.874	3/6/2020	5	5	10	40 day_req	0.978	6 daily
North Coast	2019-2020	40.599	-122.874	3/7/2020	3	5	10	43 day_req	0.978	6 daily
North Coast	2019-2020	40.599	-122.874	3/8/2020	5	5	10	48 day_req	0.978	6 daily
North Coast	2020-2021	40.599	-122.874	11/16/2020	5	5	5	5 day_req	0.98	6 daily
North Coast	2020-2021	40.599	-122.874	11/17/2020	5	5	5	10 day_req	0.98	6 daily
North Coast	2020-2021	40.599	-122.874	11/18/2020	5	5	5	15 day_req	0.98	6 daily
North Coast	2020-2021	40.599	-122.874	11/19/2020	5	5	5	20 day_req	0.98	6 daily
North Coast	2020-2021	40.599	-122.874	11/20/2020	5	5	5	25 day_req	0.98	6 daily
North Coast	2020-2021	40.768	-122.924	6/10/2021	0	17	1	0 day_req	NA	NA single_day
North Coast	2020-2021	40.879	-122.624	3/10/2021	6	6	2	6 day_req	0.938	6 daily
North Coast	2020-2021	40.879	-122.624	3/11/2021	2	4	2	8 day_req	0.938	6 daily
North Coast	2020-2021	41.047	-122.542	11/19/2020	8	5	2	8 day_req	0.842	1 daily
North Coast	2020-2021	41.047	-122.542	11/20/2020	15	5	2	23 day_req	0.842	1 daily
Shasta	2018-2019	40.506	-122.017	1/22/2019	0	20	5	0 seas_req	0.012	7 seasonal
Shasta	2018-2019	40.506	-122.017	1/23/2019	0	20	5	0 seas_req	0.012	7 seasonal
Shasta	2018-2019	40.506	-122.017	1/24/2019	0	20	5	0 seas_req	0.012	7 seasonal
Shasta	2018-2019	40.506	-122.017	1/25/2019	0	20	5	0 seas_req	0.012	7 seasonal
Shasta	2018-2019	40.506	-122.017	1/26/2019	0	20	5	0 seas_req	0.012	7 seasonal
Shasta	2018-2019	40.525	-121.546	10/11/2018	0	100	2	0 day_req	1	6 daily
Shasta	2018-2019	40.525	-121.546	10/23/2018	110	110	2	110 day_req	1	6 daily
Shasta	2018-2019	40.589	-121.579	11/28/2018	127	127	1	127 day_req	NA	NA single_day
Shasta	2018-2019	40.65	-121.455	11/26/2018	5	5	7	5 seas_req	0.228	7 seasonal
Shasta	2018-2019	40.65	-121.455	11/27/2018	30	30	7	35 seas_req	0.228	7 seasonal
Shasta	2018-2019	40.65	-121.455	11/29/2018	0	20	7	35 seas_req	0.228	7 seasonal
Shasta	2018-2019	40.65	-121.455	11/30/2018	10	20	7	45 seas_req	0.228	7 seasonal
Shasta	2018-2019	40.65	-121.455	12/3/2018	10	10	7	55 seas_req	0.228	7 seasonal

Shasta	2018-2019	40.65	-121.455	4/30/2019	0	175	7	55 seas_req	0.228	7 seasonal	
Shasta	2018-2019	40.65	-121.455	5/2/2019	178	175	7	233 seas_req	0.228	7 seasonal	
Shasta	2018-2019	40.665	-121.35	12/20/2018	25	10	2	25 day_req	0.998	1 daily	
Shasta	2018-2019	40.665	-121.35	2/1/2019	0	15	2	25 day_req	0.998	1 daily	
Shasta	2018-2019	40.697	-121.853	11/30/2018	30	30	2	30 day_req	0.984	6 daily	
Shasta	2018-2019	40.697	-121.853	1/8/2019	50	50	2	80 day_req	0.984	6 daily	
Shasta	2018-2019	40.716	-121.341	10/12/2018	300	300	6	300 seas_req	0.148	7 seasonal	
Shasta	2018-2019	40.716	-121.341	11/6/2018	0	250	6	300 seas_req	0.148	7 seasonal	
Shasta	2018-2019	40.716	-121.341	4/20/2019	0	275	6	300 seas_req	0.148	7 seasonal	
Shasta	2018-2019	40.716	-121.341	4/23/2019	0	275	6	300 seas_req	0.148	7 seasonal	
Shasta	2018-2019	40.716	-121.341	4/25/2019	179	275	6	479 seas_req	0.148	7 seasonal	
Shasta	2018-2019	40.716	-121.341	4/26/2019	150	250	6	629 seas_req	0.148	7 seasonal	
Shasta	2018-2019	40.717	-121.706	12/6/2018	455	547	1	455 day_req	NA	NA	single_day
Shasta	2018-2019	40.728	-121.882	11/30/2018	30	30	2	30 day_req	0.86	6 daily	
Shasta	2018-2019	40.728	-121.882	12/4/2018	40	88	2	70 day_req	0.86	6 daily	
Shasta	2018-2019	40.772	-121.599	11/29/2018	66	66	1	66 day_req	NA	NA	single_day
Shasta	2018-2019	40.774	-122.341	3/19/2019	18	18	1	18 day_req	NA	NA	single_day
Shasta	2018-2019	40.775	-122.349	3/18/2019	100	100	1	100 day_req	NA	NA	single_day
Shasta	2018-2019	40.78	-122.339	12/9/2018	1	124	2	1 day_req	0.996	6 daily	
Shasta	2018-2019	40.78	-122.339	3/18/2019	124	124	2	125 day_req	0.996	6 daily	
Shasta	2018-2019	40.872	-122.621	12/5/2018	3	3	1	3 day_req	NA	NA	single_day
Shasta	2018-2019	40.893	-122.153	12/6/2018	8.5	8.5	1	8.5 day_req	NA	NA	single_day
Shasta	2018-2019	40.916	-121.978	12/10/2018	5	2	3	5 day_req	0.772	6 daily	
Shasta	2018-2019	40.916	-121.978	12/12/2018	5	5.5	3	10 day_req	0.772	6 daily	
Shasta	2018-2019	40.916	-121.978	12/13/2018	5.5	5.5	3	15.5 day_req	0.772	6 daily	
Shasta	2018-2019	40.949	-121.665	12/12/2018	0	140	3	0 day_req	0.956	1 daily	
Shasta	2018-2019	40.949	-121.665	12/13/2018	200	140	3	200 day_req	0.956	1 daily	
Shasta	2018-2019	40.949	-121.665	12/20/2018	0	60	3	200 day_req	0.956	1 daily	
Shasta	2018-2019	41.003	-121.658	12/12/2018	0	15	2	0 day_req	0.994	6 daily	
Shasta	2018-2019	41.003	-121.658	12/13/2018	15	15	2	15 day_req	0.994	6 daily	
Shasta	2018-2019	41.036	-121.852	12/7/2018	2	2	1	2 day_req	NA	NA	single_day
Shasta	2018-2019	41.046	-121.891	12/13/2018	4.5	4.5	1	4.5 day_req	NA	NA	single_day
Shasta	2018-2019	41.061	-121.949	12/7/2018	2	2	4	2 day_req	0.904	6 daily	
Shasta	2018-2019	41.061	-121.949	12/10/2018	0	2	4	2 day_req	0.904	6 daily	
Shasta	2018-2019	41.061	-121.949	12/12/2018	5	3	4	7 day_req	0.904	6 daily	
Shasta	2018-2019	41.061	-121.949	12/13/2018	3	3	4	10 day_req	0.904	6 daily	
Shasta	2018-2019	41.083	-122.388	12/11/2018	58.5	58.5	1	58.5 day_req	NA	NA	single_day
Shasta	2018-2019	41.092	-121.788	12/7/2018	0	2	2	0 day_req	0.894	6 daily	
Shasta	2018-2019	41.092	-121.788	12/10/2018	5.5	5.5	2	5.5 day_req	0.894	6 daily	
Shasta	2019-2020	40.361	-122.958	10/3/2019	0	6.7	1	0 day_req	NA	NA	single_day

Shasta	2019-2020	40.361	-122.956	10/3/2019	0	8.2	1	0 day_req	NA	NA	single_day
Shasta	2019-2020	40.362	-122.954	10/3/2019	0	10.4	1	0 day_req	NA	NA	single_day
Shasta	2019-2020	40.362	-122.952	10/3/2019	0	19.9	1	0 day_req	NA	NA	single_day
Shasta	2019-2020	40.482	-122.518	7/11/2019	0	102	4	0 seas_req	0.004		7 seasonal
Shasta	2019-2020	40.482	-122.518	11/6/2019	0	100	4	0 seas_req	0.004		7 seasonal
Shasta	2019-2020	40.482	-122.518	6/17/2020	0	200	4	0 seas_req	0.004		7 seasonal
Shasta	2019-2020	40.482	-122.518	6/19/2020	200	200	4	200 seas_req	0.004		7 seasonal
Shasta	2019-2020	40.482	-122.486	3/26/2020	3	3	9	3 day_req		1	6 daily
Shasta	2019-2020	40.482	-122.486	4/3/2020	3	3	9	6 day_req		1	6 daily
Shasta	2019-2020	40.482	-122.486	4/6/2020	3	3	9	9 day_req		1	6 daily
Shasta	2019-2020	40.482	-122.486	4/7/2020	3	3	9	12 day_req		1	6 daily
Shasta	2019-2020	40.482	-122.486	4/8/2020	3	3	9	15 day_req		1	6 daily
Shasta	2019-2020	40.482	-122.486	4/9/2020	3	3	9	18 day_req		1	6 daily
Shasta	2019-2020	40.482	-122.486	4/10/2020	3	3	9	21 day_req		1	6 daily
Shasta	2019-2020	40.482	-122.486	4/13/2020	3	3	9	24 day_req		1	6 daily
Shasta	2019-2020	40.482	-122.486	4/14/2020	3	3	9	27 day_req		1	6 daily
Shasta	2019-2020	40.483	-122.506	1/2/2020	0	2	25	0 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	1/3/2020	1	2	25	1 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	1/6/2020	1	2	25	2 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	1/7/2020	0.5	2	25	2.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	1/8/2020	1	1	25	3.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	1/9/2020	1	1	25	4.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	1/10/2020	2	1	25	6.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	1/13/2020	1	1	25	7.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	1/16/2020	0	0.5	25	7.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	3/20/2020	6	6	25	13.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	3/24/2020	3	3	25	16.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	4/2/2020	3	3	25	19.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	4/3/2020	3	3	25	22.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	4/6/2020	3	3	25	25.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	4/7/2020	3	3	25	28.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	4/8/2020	3	3	25	31.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	4/9/2020	6	6	25	37.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	4/10/2020	3	3	25	40.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	4/13/2020	3	3	25	43.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	4/14/2020	3	3	25	46.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	4/15/2020	3	3	25	49.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	4/17/2020	3	3	25	52.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	4/20/2020	3	3	25	55.5 day_req		0.99	3 daily
Shasta	2019-2020	40.483	-122.506	4/21/2020	3	3	25	58.5 day_req		0.99	3 daily

Shasta	2019-2020	40.483	-122.506	4/22/2020	3	3	25	61.5 day_req	0.99	3 daily	
Shasta	2019-2020	40.484	-122.467	3/26/2020	3	3	14	3 day_req	0.998	3 daily	
Shasta	2019-2020	40.484	-122.467	3/27/2020	1	1	14	4 day_req	0.998	3 daily	
Shasta	2019-2020	40.484	-122.467	3/30/2020	3	3	14	7 day_req	0.998	3 daily	
Shasta	2019-2020	40.484	-122.467	3/31/2020	1	1	14	8 day_req	0.998	3 daily	
Shasta	2019-2020	40.484	-122.467	4/2/2020	3	3	14	11 day_req	0.998	3 daily	
Shasta	2019-2020	40.484	-122.467	4/6/2020	3	3	14	14 day_req	0.998	3 daily	
Shasta	2019-2020	40.484	-122.467	4/7/2020	3	3	14	17 day_req	0.998	3 daily	
Shasta	2019-2020	40.484	-122.467	4/8/2020	3	3	14	20 day_req	0.998	3 daily	
Shasta	2019-2020	40.484	-122.467	4/9/2020	3	3	14	23 day_req	0.998	3 daily	
Shasta	2019-2020	40.484	-122.467	4/10/2020	3	3	14	26 day_req	0.998	3 daily	
Shasta	2019-2020	40.484	-122.467	4/13/2020	3	3	14	29 day_req	0.998	3 daily	
Shasta	2019-2020	40.484	-122.467	4/14/2020	3	3	14	32 day_req	0.998	3 daily	
Shasta	2019-2020	40.484	-122.467	4/15/2020	3	3	14	35 day_req	0.998	3 daily	
Shasta	2019-2020	40.484	-122.467	4/16/2020	3	3	14	38 day_req	0.998	3 daily	
Shasta	2019-2020	40.485	-122.524	7/11/2019	221	148	1	221 day_req	NA	NA	single_day
Shasta	2019-2020	40.486	-122.509	11/6/2019	0	100	3	0 seas_req	0.088	7 seasonal	
Shasta	2019-2020	40.486	-122.509	11/15/2019	98	200	3	98 seas_req	0.088	7 seasonal	
Shasta	2019-2020	40.486	-122.509	11/22/2019	102	102	3	200 seas_req	0.088	7 seasonal	
Shasta	2019-2020	40.488	-122.441	12/30/2019	2	2	6	2 day_req	0.834	6 daily	
Shasta	2019-2020	40.488	-122.441	12/31/2019	2	2	6	4 day_req	0.834	6 daily	
Shasta	2019-2020	40.488	-122.441	1/2/2020	0	2	6	4 day_req	0.834	6 daily	
Shasta	2019-2020	40.488	-122.441	1/3/2020	2	2	6	6 day_req	0.834	6 daily	
Shasta	2019-2020	40.488	-122.441	1/6/2020	1	2	6	7 day_req	0.834	6 daily	
Shasta	2019-2020	40.488	-122.441	3/19/2020	1	1	6	8 day_req	0.834	6 daily	
Shasta	2019-2020	40.489	-122.526	11/15/2019	0	87	4	0 day_req	0.972	1 daily	
Shasta	2019-2020	40.489	-122.526	11/22/2019	0	87	4	0 day_req	0.972	1 daily	
Shasta	2019-2020	40.489	-122.526	6/17/2020	0	200	4	0 day_req	0.972	1 daily	
Shasta	2019-2020	40.489	-122.526	6/19/2020	248	200	4	248 day_req	0.972	1 daily	
Shasta	2019-2020	40.49	-122.434	3/10/2020	1	1	16	1 day_req	0.998	3 daily	
Shasta	2019-2020	40.49	-122.434	3/16/2020	1	1	16	2 day_req	0.998	3 daily	
Shasta	2019-2020	40.49	-122.434	3/18/2020	1	1	16	3 day_req	0.998	3 daily	
Shasta	2019-2020	40.49	-122.434	3/19/2020	1	1	16	4 day_req	0.998	3 daily	
Shasta	2019-2020	40.49	-122.434	3/20/2020	1	1	16	5 day_req	0.998	3 daily	
Shasta	2019-2020	40.49	-122.434	3/23/2020	1	1	16	6 day_req	0.998	3 daily	
Shasta	2019-2020	40.49	-122.434	3/24/2020	1	1	16	7 day_req	0.998	3 daily	
Shasta	2019-2020	40.49	-122.434	3/25/2020	1	1	16	8 day_req	0.998	3 daily	
Shasta	2019-2020	40.49	-122.434	3/27/2020	3	3	16	11 day_req	0.998	3 daily	
Shasta	2019-2020	40.49	-122.434	3/30/2020	3	3	16	14 day_req	0.998	3 daily	
Shasta	2019-2020	40.49	-122.434	3/31/2020	3	3	16	17 day_req	0.998	3 daily	

Shasta	2019-2020	40.49	-122.434	4/1/2020	3	3	16	20 day_req	0.998	3 daily
Shasta	2019-2020	40.49	-122.434	4/2/2020	3	3	16	23 day_req	0.998	3 daily
Shasta	2019-2020	40.49	-122.434	4/3/2020	3	3	16	26 day_req	0.998	3 daily
Shasta	2019-2020	40.49	-122.434	4/6/2020	3	3	16	29 day_req	0.998	3 daily
Shasta	2019-2020	40.49	-122.434	4/7/2020	3	1	16	32 day_req	0.998	3 daily
Shasta	2019-2020	40.493	-122.422	1/10/2020	2	2	24	2 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	1/13/2020	1	2	24	3 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	1/14/2020	1	2	24	4 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	1/15/2020	2	2	24	6 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	1/16/2020	3	3	24	9 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	1/17/2020	3	3	24	12 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	1/21/2020	4	3	24	16 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	1/22/2020	4	4	24	20 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	1/23/2020	4	4	24	24 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	1/24/2020	3	4	24	27 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	1/27/2020	3	3	24	30 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	1/28/2020	3	3	24	33 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	1/29/2020	3	3	24	36 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	1/30/2020	3	3	24	39 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	1/31/2020	2	3	24	41 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	2/5/2020	1	3	24	42 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	2/6/2020	1	1	24	43 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	2/7/2020	1	1	24	44 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	2/10/2020	1	1	24	45 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	2/11/2020	1	1	24	46 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	3/9/2020	1	3	24	47 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	3/10/2020	1	1	24	48 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	3/16/2020	1	1	24	49 day_req	0.968	3 daily
Shasta	2019-2020	40.493	-122.422	3/18/2020	1	1	24	50 day_req	0.968	3 daily
Shasta	2019-2020	40.497	-122.399	1/7/2020	2	2	7	2 day_req	0.994	6 daily
Shasta	2019-2020	40.497	-122.399	1/8/2020	2	2	7	4 day_req	0.994	6 daily
Shasta	2019-2020	40.497	-122.399	1/9/2020	1	2	7	5 day_req	0.994	6 daily
Shasta	2019-2020	40.497	-122.399	3/26/2020	3	3	7	8 day_req	0.994	6 daily
Shasta	2019-2020	40.497	-122.399	3/27/2020	3	3	7	11 day_req	0.994	6 daily
Shasta	2019-2020	40.497	-122.399	3/30/2020	3	3	7	14 day_req	0.994	6 daily
Shasta	2019-2020	40.497	-122.399	3/31/2020	1	1	7	15 day_req	0.994	6 daily
Shasta	2019-2020	40.504	-122.391	3/9/2020	1	1	5	1 day_req	0.996	6 daily
Shasta	2019-2020	40.504	-122.391	3/12/2020	0	1	5	1 day_req	0.996	6 daily
Shasta	2019-2020	40.504	-122.391	3/26/2020	3	3	5	4 day_req	0.996	6 daily
Shasta	2019-2020	40.504	-122.391	3/27/2020	3	3	5	7 day_req	0.996	6 daily

Shasta	2019-2020	40.504	-122.391	3/30/2020	3	3	5	10 day_req		0.996	6 daily
Shasta	2019-2020	40.508	-122.687	12/3/2019	3.5	3.5	1	3.5 day_req	NA	NA	single_day
Shasta	2019-2020	40.527	-121.563	10/17/2019	85	85	1	85 day_req	NA	NA	single_day
Shasta	2019-2020	40.542	-121.628	12/2/2019	300	300	4	300 day_req		0.986	6 daily
Shasta	2019-2020	40.542	-121.628	12/3/2019	250	250	4	550 day_req		0.986	6 daily
Shasta	2019-2020	40.542	-121.628	12/4/2019	100	100	4	650 day_req		0.986	6 daily
Shasta	2019-2020	40.542	-121.628	12/5/2019	120	120	4	770 day_req		0.986	6 daily
Shasta	2019-2020	40.589	-121.551	12/5/2019	113	113	6	113 seas_req		0.222	2 seasonal
Shasta	2019-2020	40.589	-121.551	12/6/2019	0	150	6	113 seas_req		0.222	2 seasonal
Shasta	2019-2020	40.589	-121.551	12/9/2019	100	100	6	213 seas_req		0.222	2 seasonal
Shasta	2019-2020	40.589	-121.551	12/10/2019	20	20	6	233 seas_req		0.222	2 seasonal
Shasta	2019-2020	40.589	-121.551	12/11/2019	100	100	6	333 seas_req		0.222	2 seasonal
Shasta	2019-2020	40.589	-121.551	12/12/2019	145	50	6	478 seas_req		0.222	2 seasonal
Shasta	2019-2020	40.648	-122.043	11/23/2019	700	700	1	700 day_req	NA	NA	single_day
Shasta	2019-2020	40.65	-122.638	11/26/2019	60	40	1	60 day_req	NA	NA	single_day
Shasta	2019-2020	40.716	-121.341	9/27/2019	1536	156	6	1536 day_req		0.536	8 uncertain
Shasta	2019-2020	40.716	-121.341	10/24/2019	0	150	6	1536 day_req		0.536	8 uncertain
Shasta	2019-2020	40.716	-121.341	2/27/2020	158	158	6	1694 day_req		0.536	8 uncertain
Shasta	2019-2020	40.716	-121.341	2/28/2020	175	175	6	1869 day_req		0.536	8 uncertain
Shasta	2019-2020	40.716	-121.341	3/5/2020	220	220	6	2089 day_req		0.536	8 uncertain
Shasta	2019-2020	40.716	-121.341	3/6/2020	0	210	6	2089 day_req		0.536	8 uncertain
Shasta	2019-2020	40.752	-122.697	12/5/2019	0	35	3	0 seas_req		0.024	7 seasonal
Shasta	2019-2020	40.752	-122.697	12/10/2019	0	35	3	0 seas_req		0.024	7 seasonal
Shasta	2019-2020	40.752	-122.697	12/18/2019	20	35	3	20 seas_req		0.024	7 seasonal
Shasta	2019-2020	40.755	-122.2	2/28/2020	2025	2225	1	2025 day_req	NA	NA	single_day
Shasta	2019-2020	40.769	-122.356	11/26/2019	200	200	1	200 day_req	NA	NA	single_day
Shasta	2019-2020	40.77	-122.351	11/26/2019	230	230	1	230 day_req	NA	NA	single_day
Shasta	2019-2020	40.771	-122.156	3/5/2020	2250	1500	1	2250 day_req	NA	NA	single_day
Shasta	2019-2020	40.783	-122.476	12/20/2019	25	50	3	25 seas_req		0.15	2 seasonal
Shasta	2019-2020	40.783	-122.476	12/24/2019	35	25	3	60 seas_req		0.15	2 seasonal
Shasta	2019-2020	40.783	-122.476	1/2/2020	20	20	3	80 seas_req		0.15	2 seasonal
Shasta	2019-2020	40.786	-122.126	3/5/2020	1500	2000	1	1500 day_req	NA	NA	single_day
Shasta	2019-2020	40.856	-122.641	12/2/2019	5	5	13	5 day_req		0.88	6 daily
Shasta	2019-2020	40.856	-122.641	12/3/2019	10	10	13	15 day_req		0.88	6 daily
Shasta	2019-2020	40.856	-122.641	12/4/2019	20	20	13	35 day_req		0.88	6 daily
Shasta	2019-2020	40.856	-122.641	12/5/2019	20	20	13	55 day_req		0.88	6 daily
Shasta	2019-2020	40.856	-122.641	12/6/2019	10	10	13	65 day_req		0.88	6 daily
Shasta	2019-2020	40.856	-122.641	12/9/2019	10	10	13	75 day_req		0.88	6 daily
Shasta	2019-2020	40.856	-122.641	12/10/2019	10	20	13	85 day_req		0.88	6 daily
Shasta	2019-2020	40.856	-122.641	12/11/2019	10	10	13	95 day_req		0.88	6 daily

Shasta	2019-2020	40.856	-122.641	12/20/2019	2	5	13	97 day_req	0.88	6 daily	
Shasta	2019-2020	40.856	-122.641	12/23/2019	2	5	13	99 day_req	0.88	6 daily	
Shasta	2019-2020	40.856	-122.641	1/7/2020	2	5	13	101 day_req	0.88	6 daily	
Shasta	2019-2020	40.856	-122.641	1/8/2020	1	5	13	102 day_req	0.88	6 daily	
Shasta	2019-2020	40.856	-122.641	1/21/2020	5	2	13	107 day_req	0.88	6 daily	
Shasta	2019-2020	40.882	-122.399	2/21/2020	125	49	1	125 day_req	NA	NA	single_day
Shasta	2019-2020	40.885	-122.4	2/21/2020	125	75	1	125 day_req	NA	NA	single_day
Shasta	2019-2020	40.886	-122.407	2/19/2020	88	113	1	88 day_req	NA	NA	single_day
Shasta	2019-2020	40.888	-122.413	2/21/2020	125	212	1	125 day_req	NA	NA	single_day
Shasta	2019-2020	40.896	-122.553	1/2/2020	0	10	1	0 day_req	NA	NA	single_day
Shasta	2019-2020	40.98	-122.347	12/12/2019	10	10	3	10 seas_req	0.09	2 seasonal	
Shasta	2019-2020	40.98	-122.347	12/17/2019	15	20	3	25 seas_req	0.09	2 seasonal	
Shasta	2019-2020	40.98	-122.347	1/2/2020	0	25	3	25 seas_req	0.09	2 seasonal	
Shasta	2019-2020	40.993	-122.454	12/3/2019	15	20	14	15 day_req	0.892	6 daily	
Shasta	2019-2020	40.993	-122.454	12/4/2019	20	20	14	35 day_req	0.892	6 daily	
Shasta	2019-2020	40.993	-122.454	12/9/2019	25	30	14	60 day_req	0.892	6 daily	
Shasta	2019-2020	40.993	-122.454	12/10/2019	10	30	14	70 day_req	0.892	6 daily	
Shasta	2019-2020	40.993	-122.454	12/11/2019	10	10	14	80 day_req	0.892	6 daily	
Shasta	2019-2020	40.993	-122.454	12/13/2019	15	15	14	95 day_req	0.892	6 daily	
Shasta	2019-2020	40.993	-122.454	12/16/2019	20	20	14	115 day_req	0.892	6 daily	
Shasta	2019-2020	40.993	-122.454	12/17/2019	2	10	14	117 day_req	0.892	6 daily	
Shasta	2019-2020	40.993	-122.454	12/18/2019	10	10	14	127 day_req	0.892	6 daily	
Shasta	2019-2020	40.993	-122.454	1/2/2020	10	20	14	137 day_req	0.892	6 daily	
Shasta	2019-2020	40.993	-122.454	1/3/2020	2	5	14	139 day_req	0.892	6 daily	
Shasta	2019-2020	40.993	-122.454	1/6/2020	2	5	14	141 day_req	0.892	6 daily	
Shasta	2019-2020	40.993	-122.454	1/7/2020	2	5	14	143 day_req	0.892	6 daily	
Shasta	2019-2020	40.993	-122.454	1/8/2020	1	5	14	144 day_req	0.892	6 daily	
Shasta	2019-2020	40.999	-122.358	12/4/2019	20	20	3	20 day_req	0.872	6 daily	
Shasta	2019-2020	40.999	-122.358	12/10/2019	5	20	3	25 day_req	0.872	6 daily	
Shasta	2019-2020	40.999	-122.358	1/2/2020	50	25	3	75 day_req	0.872	6 daily	
Shasta	2019-2020	41.003	-122.343	12/9/2019	0	15	2	0 seas_req	0.054	7 seasonal	
Shasta	2019-2020	41.003	-122.343	12/16/2019	5	15	2	5 seas_req	0.054	7 seasonal	
Shasta	2019-2020	41.003	-121.658	1/9/2020	2	5	2	2 day_req	0.982	1 daily	
Shasta	2019-2020	41.003	-121.658	1/10/2020	20	3	2	22 day_req	0.982	1 daily	
Shasta	2019-2020	41.32	-121.6	10/2/2019	0	10	5	0 seas_req	0.016	7 seasonal	
Shasta	2019-2020	41.32	-121.6	10/3/2019	10	15	5	10 seas_req	0.016	7 seasonal	
Shasta	2019-2020	41.32	-121.6	10/4/2019	20	30	5	30 seas_req	0.016	7 seasonal	
Shasta	2019-2020	41.32	-121.6	12/17/2019	10	10	5	40 seas_req	0.016	7 seasonal	
Shasta	2019-2020	41.32	-121.6	12/18/2019	30	20	5	70 seas_req	0.016	7 seasonal	
Shasta	2020-2021	40.395	-122.828	2/10/2021	10	100	4	10 day_req	0.962	8 daily	



Shasta	2020-2021	40.395	-122.828	3/2/2021	100	400	4	110 day_req	0.962	8 daily	
Shasta	2020-2021	40.395	-122.828	3/3/2021	200	400	4	310 day_req	0.962	8 daily	
Shasta	2020-2021	40.395	-122.828	3/4/2021	250	400	4	560 day_req	0.962	8 daily	
Shasta	2020-2021	40.43	-121.53	1/26/2021	0	33	1	0 day_req	NA	NA	single_day
Shasta	2020-2021	40.458	-121.4	11/12/2020	10	10	1	10 day_req	NA	NA	single_day
Shasta	2020-2021	40.508	-122.687	12/14/2020	5	5	3	5 day_req	0.768	6 daily	
Shasta	2020-2021	40.508	-122.687	12/15/2020	10	5	3	15 day_req	0.768	6 daily	
Shasta	2020-2021	40.508	-122.687	12/16/2020	9	10	3	24 day_req	0.768	6 daily	
Shasta	2020-2021	40.52	-121.53	1/25/2021	0	20	1	0 day_req	NA	NA	single_day
Shasta	2020-2021	40.53	-121.569	11/12/2020	0	92	1	0 day_req	NA	NA	single_day
Shasta	2020-2021	40.549	-121.908	12/11/2020	275	275	1	275 day_req	NA	NA	single_day
Shasta	2020-2021	40.65	-122.638	3/8/2021	10	1	1	10 day_req	NA	NA	single_day
Shasta	2020-2021	40.65	-121.455	4/7/2021	149	149	1	149 day_req	NA	NA	single_day
Shasta	2020-2021	40.716	-121.341	4/8/2021	154	154	3	154 day_req	0.812	8 daily	
Shasta	2020-2021	40.716	-121.341	4/12/2021	0	291	3	154 day_req	0.812	8 daily	
Shasta	2020-2021	40.716	-121.341	4/15/2021	374	374	3	528 day_req	0.812	8 daily	
Shasta	2020-2021	40.73	-122.224	1/22/2021	85	25	1	85 day_req	NA	NA	single_day
Shasta	2020-2021	40.744	-121.721	12/14/2020	40	577	2	40 day_req	0.728	8 daily	
Shasta	2020-2021	40.744	-121.721	12/15/2020	10	20	2	50 day_req	0.728	8 daily	
Shasta	2020-2021	40.746	-122.24	1/6/2021	15	15	2	15 day_req	0.848	6 daily	
Shasta	2020-2021	40.746	-122.24	1/7/2021	15	25	2	30 day_req	0.848	6 daily	
Shasta	2020-2021	40.75	-122.245	12/11/2020	411	411	1	411 day_req	NA	NA	single_day
Shasta	2020-2021	40.779	-122.336	2/1/2021	86	55	1	86 day_req	NA	NA	single_day
Shasta	2020-2021	40.818	-122.661	11/19/2020	6	6	1	6 day_req	NA	NA	single_day
Shasta	2020-2021	40.856	-122.641	11/17/2020	5	15	3	5 seas_req	0.188	7 seasonal	
Shasta	2020-2021	40.856	-122.641	11/23/2020	5	5	3	10 seas_req	0.188	7 seasonal	
Shasta	2020-2021	40.856	-122.641	11/24/2020	5	3	3	15 seas_req	0.188	7 seasonal	
Shasta	2020-2021	40.868	-122.551	11/18/2020	10	15	6	10 seas_req	0.128	2 seasonal	
Shasta	2020-2021	40.868	-122.551	11/19/2020	10	8	6	20 seas_req	0.128	2 seasonal	
Shasta	2020-2021	40.868	-122.551	11/20/2020	5	15	6	25 seas_req	0.128	2 seasonal	
Shasta	2020-2021	40.868	-122.551	12/11/2020	5	10	6	30 seas_req	0.128	2 seasonal	
Shasta	2020-2021	40.868	-122.551	12/14/2020	20	5	6	50 seas_req	0.128	2 seasonal	
Shasta	2020-2021	40.868	-122.551	12/16/2020	8	9	6	58 seas_req	0.128	2 seasonal	
Shasta	2020-2021	40.872	-122.594	11/17/2020	16	40	6	16 day_req	0.986	1 daily	
Shasta	2020-2021	40.872	-122.594	11/18/2020	20	10	6	36 day_req	0.986	1 daily	
Shasta	2020-2021	40.872	-122.594	11/20/2020	5	5	6	41 day_req	0.986	1 daily	
Shasta	2020-2021	40.872	-122.594	11/24/2020	3	5	6	44 day_req	0.986	1 daily	
Shasta	2020-2021	40.872	-122.594	12/14/2020	10	5	6	54 day_req	0.986	1 daily	
Shasta	2020-2021	40.872	-122.594	12/17/2020	10	2	6	64 day_req	0.986	1 daily	
Shasta	2020-2021	40.888	-122.423	3/5/2021	70	50	1	70 day_req	NA	NA	single_day

Shasta	2020-2021	40.9	-122.6	11/20/2020	0	4	3	0 day_req	0.916	6 daily
Shasta	2020-2021	40.9	-122.6	2/22/2021	4	4	3	4 day_req	0.916	6 daily
Shasta	2020-2021	40.9	-122.6	2/23/2021	4	4	3	8 day_req	0.916	6 daily
Shasta	2020-2021	40.903	-122.391	2/16/2021	40	40	1	40 day_req	NA	NA single_day
Shasta	2020-2021	40.936	-122.599	2/11/2021	45	12	4	45 day_req	0.962	1 daily
Shasta	2020-2021	40.936	-122.599	2/16/2021	9	5	4	54 day_req	0.962	1 daily
Shasta	2020-2021	40.936	-122.599	2/17/2021	5	5	4	59 day_req	0.962	1 daily
Shasta	2020-2021	40.936	-122.599	2/18/2021	60	4	4	119 day_req	0.962	1 daily
Shasta	2020-2021	40.946	-122.604	2/10/2021	6	6	2	6 day_req	0.986	6 daily
Shasta	2020-2021	40.946	-122.604	2/11/2021	6	6	2	12 day_req	0.986	6 daily
Shasta	2020-2021	40.955	-122.607	2/9/2021	8	8	1	8 day_req	NA	NA single_day
Shasta	2020-2021	40.96	-121.91	1/24/2021	0	20	1	0 day_req	NA	NA single_day
Shasta	2020-2021	40.971	-122.375	11/24/2020	25	25	2	25 day_req	0.854	6 daily
Shasta	2020-2021	40.971	-122.375	12/14/2020	25	50	2	50 day_req	0.854	6 daily
Shasta	2020-2021	40.98	-122.347	11/23/2020	20	50	3	20 seas_req	0.122	2 seasonal
Shasta	2020-2021	40.98	-122.347	11/24/2020	25	25	3	45 seas_req	0.122	2 seasonal
Shasta	2020-2021	40.98	-122.347	12/15/2020	25	25	3	70 seas_req	0.122	2 seasonal
Shasta	2020-2021	40.98	-121.9	1/12/2021	0	6	1	0 day_req	NA	NA single_day
Shasta	2020-2021	40.993	-122.454	11/16/2020	13.5	5	3	13.5 day_req	0.972	1 daily
Shasta	2020-2021	40.993	-122.454	11/17/2020	15	16	3	28.5 day_req	0.972	1 daily
Shasta	2020-2021	40.993	-122.454	11/18/2020	40	10	3	68.5 day_req	0.972	1 daily
Shasta	2020-2021	41.017	-122.446	11/23/2020	5	5	4	5 seas_req	0.062	7 seasonal
Shasta	2020-2021	41.017	-122.446	12/14/2020	5	20	4	10 seas_req	0.062	7 seasonal
Shasta	2020-2021	41.017	-122.446	12/15/2020	5	10	4	15 seas_req	0.062	7 seasonal
Shasta	2020-2021	41.017	-122.446	12/16/2020	25	28	4	40 seas_req	0.062	7 seasonal
Shasta	2020-2021	41.117	-122.516	11/16/2020	7	13.5	1	7 day_req	NA	NA single_day
Shasta	2020-2021	41.129	-122.262	11/19/2020	50	130	2	50 day_req	0.722	6 daily
Shasta	2020-2021	41.129	-122.262	11/20/2020	50	50	2	100 day_req	0.722	6 daily
Shasta	2020-2021	41.16	-122.44	1/4/2021	13	13	1	13 day_req	NA	NA single_day
Lassen	2018-2019	41.041	-121.263	5/7/2019	237	237	2	237 day_req	0.944	6 daily
Lassen	2018-2019	41.041	-121.263	5/8/2019	100	100	2	337 day_req	0.944	6 daily
Lassen	2019-2020	40.611	-121.302	2/4/2020	5	5	1	5 day_req	NA	NA single_day
Lassen	2019-2020	41.041	-121.263	9/26/2019	361	361	2	361 day_req	0.95	6 daily
Lassen	2019-2020	41.041	-121.263	10/15/2019	317	317	2	678 day_req	0.95	6 daily
Lassen	2020-2021	40.37	-120.805	3/11/2021	65	160	1	65 day_req	NA	NA single_day
Lassen	2020-2021	40.418	-120.775	1/5/2021	5	40	12	5 seas_req	0.028	7 seasonal
Lassen	2020-2021	40.418	-120.775	1/6/2021	10	30	12	15 seas_req	0.028	7 seasonal
Lassen	2020-2021	40.418	-120.775	1/7/2021	17	30	12	32 seas_req	0.028	7 seasonal
Lassen	2020-2021	40.418	-120.775	1/8/2021	26	25	12	58 seas_req	0.028	7 seasonal
Lassen	2020-2021	40.418	-120.775	1/11/2021	0	5	12	58 seas_req	0.028	7 seasonal

Lassen	2020-2021	40.418	-120.775	1/12/2021	17	10	12	75 seas_req	0.028	7 seasonal	
Lassen	2020-2021	40.418	-120.775	1/13/2021	10	10	12	85 seas_req	0.028	7 seasonal	
Lassen	2020-2021	40.418	-120.775	1/18/2021	0	10	12	85 seas_req	0.028	7 seasonal	
Lassen	2020-2021	40.418	-120.775	1/20/2021	5	10	12	90 seas_req	0.028	7 seasonal	
Lassen	2020-2021	40.418	-120.775	1/21/2021	10	10	12	100 seas_req	0.028	7 seasonal	
Lassen	2020-2021	40.418	-120.775	1/22/2021	5	10	12	105 seas_req	0.028	7 seasonal	
Lassen	2020-2021	40.418	-120.775	1/25/2021	10	15	12	115 seas_req	0.028	7 seasonal	
Lassen	2020-2021	40.423	-120.701	1/19/2021	2	2	1	2 day_req	NA	NA	single_day
Lassen	2020-2021	40.591	-121.088	1/19/2021	2	2	1	2 day_req	NA	NA	single_day
Lassen	2020-2021	40.611	-121.302	12/8/2020	0	5	4	0 seas_req	0.002	7 seasonal	
Lassen	2020-2021	40.611	-121.302	12/9/2020	0	5	4	0 seas_req	0.002	7 seasonal	
Lassen	2020-2021	40.611	-121.302	12/10/2020	0	20	4	0 seas_req	0.002	7 seasonal	
Lassen	2020-2021	40.611	-121.302	12/14/2020	0	5	4	0 seas_req	0.002	7 seasonal	
Lassen	2020-2021	40.633	-120.862	1/11/2021	174	174	1	174 day_req	NA	NA	single_day
Lassen	2020-2021	40.648	-120.973	1/11/2021	24	24	1	24 day_req	NA	NA	single_day
Lassen	2020-2021	40.681	-120.8	1/11/2021	16	16	1	16 day_req	NA	NA	single_day
Lassen	2020-2021	40.691	-121.246	1/19/2021	24	24	1	24 day_req	NA	NA	single_day
Lassen	2020-2021	40.723	-120.909	1/11/2021	58	58	1	58 day_req	NA	NA	single_day
Lassen	2020-2021	40.727	-120.94	1/11/2021	22	22	1	22 day_req	NA	NA	single_day
Lassen	2020-2021	41.021	-120.062	2/18/2021	0	600	1	0 day_req	NA	NA	single_day
Tehama	2018-2019	39.819	-122.677	2/6/2019	0	71	6	0 seas_req	0	7 seasonal	
Tehama	2018-2019	39.819	-122.677	2/7/2019	10	71	6	10 seas_req	0	7 seasonal	
Tehama	2018-2019	39.819	-122.677	3/19/2019	0	75	6	10 seas_req	0	7 seasonal	
Tehama	2018-2019	39.819	-122.677	3/20/2019	6	60	6	16 seas_req	0	7 seasonal	
Tehama	2018-2019	39.819	-122.677	3/21/2019	2	25	6	18 seas_req	0	7 seasonal	
Tehama	2018-2019	39.819	-122.677	3/22/2019	1	2	6	19 seas_req	0	7 seasonal	
Tehama	2018-2019	39.836	-122.857	12/4/2018	11	11	1	11 day_req	NA	NA	single_day
Tehama	2018-2019	39.843	-122.862	2/6/2019	0	25	2	0 day_req	0.946	6 daily	
Tehama	2018-2019	39.843	-122.862	2/7/2019	25	25	2	25 day_req	0.946	6 daily	
Tehama	2018-2019	39.879	-122.783	12/4/2018	5	5	1	5 day_req	NA	NA	single_day
Tehama	2018-2019	39.884	-122.56	11/28/2018	1	1	2	1 day_req	0.966	6 daily	
Tehama	2018-2019	39.884	-122.56	1/31/2019	1	1	2	2 day_req	0.966	6 daily	
Tehama	2018-2019	39.91	-122.028	6/3/2019	100	100	2	100 day_req	0.856	8 daily	
Tehama	2018-2019	39.91	-122.028	6/12/2019	600	600	2	700 day_req	0.856	8 daily	
Tehama	2018-2019	39.915	-122.683	12/4/2018	3	3	1	3 day_req	NA	NA	single_day
Tehama	2018-2019	39.951	-122.563	10/29/2018	0	184	2	0 seas_req	0	7 seasonal	
Tehama	2018-2019	39.951	-122.563	10/31/2018	0	184	2	0 seas_req	0	7 seasonal	
Tehama	2018-2019	39.975	-123.001	2/4/2019	0	9	1	0 day_req	NA	NA	single_day
Tehama	2018-2019	40.056	-122.429	6/19/2019	0	960	1	0 day_req	NA	NA	single_day
Tehama	2018-2019	40.066	-122.423	6/20/2019	0	856	1	0 day_req	NA	NA	single_day

Tehama	2018-2019	40.103	-122.047	6/14/2019	15	15	1	15 day_req	NA	NA	single_day
Tehama	2018-2019	40.104	-122.057	6/14/2019	60	60	1	60 day_req	NA	NA	single_day
Tehama	2018-2019	40.131	-122.069	6/4/2019	400	400	2	400 day_req		0.782	8 daily
Tehama	2018-2019	40.131	-122.069	6/13/2019	780	780	2	1180 day_req		0.782	8 daily
Tehama	2018-2019	40.165	-122.753	4/9/2019	0	10	6	0 seas_req		0	7 seasonal
Tehama	2018-2019	40.165	-122.753	4/10/2019	0	10	6	0 seas_req		0	7 seasonal
Tehama	2018-2019	40.165	-122.753	4/11/2019	0	10	6	0 seas_req		0	7 seasonal
Tehama	2018-2019	40.165	-122.753	4/12/2019	0	10	6	0 seas_req		0	7 seasonal
Tehama	2018-2019	40.165	-122.753	4/13/2019	0	10	6	0 seas_req		0	7 seasonal
Tehama	2018-2019	40.165	-122.753	4/14/2019	0	10	6	0 seas_req		0	7 seasonal
Tehama	2018-2019	40.187	-122.2	2/7/2019	1	1	1	1 day_req	NA	NA	single_day
Tehama	2018-2019	40.306	-122.081	6/17/2019	0	86	3	0 seas_req		0.022	7 seasonal
Tehama	2018-2019	40.306	-122.081	6/18/2019	0	86	3	0 seas_req		0.022	7 seasonal
Tehama	2018-2019	40.306	-122.081	6/19/2019	86	86	3	86 seas_req		0.022	7 seasonal
Tehama	2018-2019	40.388	-121.624	11/27/2018	7	15	2	7 seas_req		0.054	2 seasonal
Tehama	2018-2019	40.388	-121.624	11/28/2018	8	8	2	15 seas_req		0.054	2 seasonal
Tehama	2019-2020	39.819	-122.677	12/2/2019	0	142	9	0 seas_req		0.03	2 seasonal
Tehama	2019-2020	39.819	-122.677	12/4/2019	0	142	9	0 seas_req		0.03	2 seasonal
Tehama	2019-2020	39.819	-122.677	12/5/2019	40	142	9	40 seas_req		0.03	2 seasonal
Tehama	2019-2020	39.819	-122.677	12/6/2019	30	142	9	70 seas_req		0.03	2 seasonal
Tehama	2019-2020	39.819	-122.677	12/12/2019	0	50	9	70 seas_req		0.03	2 seasonal
Tehama	2019-2020	39.819	-122.677	12/16/2019	0	142	9	70 seas_req		0.03	2 seasonal
Tehama	2019-2020	39.819	-122.677	12/18/2019	4	50	9	74 seas_req		0.03	2 seasonal
Tehama	2019-2020	39.819	-122.677	1/7/2020	0	98	9	74 seas_req		0.03	2 seasonal
Tehama	2019-2020	39.819	-122.677	1/8/2020	50	50	9	124 seas_req		0.03	2 seasonal
Tehama	2019-2020	39.909	-122.087	1/2/2020	5	12	2	5 seas_req		0.016	2 seasonal
Tehama	2019-2020	39.909	-122.087	1/7/2020	7	7	2	12 seas_req		0.016	2 seasonal
Tehama	2019-2020	39.912	-122.007	6/10/2020	523	523	1	523 day_req	NA	NA	single_day
Tehama	2019-2020	39.951	-122.563	2/24/2020	5	30	1	5 day_req	NA	NA	single_day
Tehama	2019-2020	39.975	-123.001	12/2/2019	0	241	7	0 seas_req		0.086	2 seasonal
Tehama	2019-2020	39.975	-123.001	12/10/2019	0	241	7	0 seas_req		0.086	2 seasonal
Tehama	2019-2020	39.975	-123.001	12/11/2019	51	241	7	51 seas_req		0.086	2 seasonal
Tehama	2019-2020	39.975	-123.001	12/12/2019	0	100	7	51 seas_req		0.086	2 seasonal
Tehama	2019-2020	39.975	-123.001	12/16/2019	52	241	7	103 seas_req		0.086	2 seasonal
Tehama	2019-2020	39.975	-123.001	12/17/2019	110	125	7	213 seas_req		0.086	2 seasonal
Tehama	2019-2020	39.975	-123.001	1/7/2020	0	28	7	213 seas_req		0.086	2 seasonal
Tehama	2019-2020	40.056	-122.429	6/18/2020	0	289	1	0 day_req	NA	NA	single_day
Tehama	2019-2020	40.066	-122.017	6/11/2020	600	876	1	600 day_req	NA	NA	single_day
Tehama	2019-2020	40.079	-122.084	6/11/2020	579	579	1	579 day_req	NA	NA	single_day
Tehama	2019-2020	40.156	-122.202	1/10/2020	4	4	1	4 day_req	NA	NA	single_day



Tehama	2019-2020	40.303	-121.877	7/9/2019	0	50	1	0 day_req	NA	NA	single_day
Tehama	2019-2020	40.306	-122.081	6/30/2020	53	130	1	53 day_req	NA	NA	single_day
Tehama	2019-2020	40.314	-121.898	7/9/2019	83	83	1	83 day_req	NA	NA	single_day
Tehama	2019-2020	40.341	-121.858	1/30/2020	37	349	2	37 seas_req		0.01	7 seasonal
Tehama	2019-2020	40.341	-121.858	2/10/2020	10	349	2	47 seas_req		0.01	7 seasonal
Tehama	2020-2021	40.165	-122.107	6/9/2021	400	450	2	400 seas_req		0.228	7 seasonal
Tehama	2020-2021	40.165	-122.107	6/10/2021	400	450	2	800 seas_req		0.228	7 seasonal
Tehama	2020-2021	40.221	-122.285	6/3/2021	70	252	2	70 seas_req		0.008	7 seasonal
Tehama	2020-2021	40.221	-122.285	6/4/2021	0	170	2	70 seas_req		0.008	7 seasonal
Tehama	2020-2021	40.23	-121.78	1/25/2021	0	10	2	0 seas_req		0	7 seasonal
Tehama	2020-2021	40.23	-121.78	3/15/2021	0	8	2	0 seas_req		0	7 seasonal
Tehama	2020-2021	40.297	-121.613	4/14/2021	0	1	2	0 seas_req		0	7 seasonal
Tehama	2020-2021	40.297	-121.613	4/19/2021	0	1	2	0 seas_req		0	7 seasonal
Tehama	2020-2021	40.306	-122.081	7/1/2020	53	129	3	53 seas_req		0.038	7 seasonal
Tehama	2020-2021	40.306	-122.081	6/1/2021	53	96	3	106 seas_req		0.038	7 seasonal
Tehama	2020-2021	40.306	-122.081	6/2/2021	23	96	3	129 seas_req		0.038	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/1/2021	2	5	35	2 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/2/2021	1	2	35	3 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/4/2021	1	2	35	4 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/8/2021	1	2	35	5 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/9/2021	1	2	35	6 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/11/2021	1	2	35	7 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/12/2021	1	2	35	8 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/14/2021	1	1	35	9 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/15/2021	0	2	35	9 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/16/2021	1	2	35	10 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/20/2021	0	1	35	10 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/21/2021	0	1	35	10 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/22/2021	0.5	1	35	10.5 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/23/2021	0	1	35	10.5 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/24/2021	0.5	1	35	11 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/25/2021	0.5	1	35	11.5 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/26/2021	0.5	1	35	12 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/27/2021	0	1	35	12 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/28/2021	0	1	35	12 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/29/2021	0	1	35	12 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	3/30/2021	0	1	35	12 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	4/1/2021	0	1	35	12 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	4/2/2021	0.5	1	35	12.5 seas_req		0.024	7 seasonal
Tehama	2020-2021	40.34	-121.85	4/3/2021	0.5	2	35	13 seas_req		0.024	7 seasonal

Tehama	2020-2021	40.34	-121.85	4/4/2021	0	2	35	13 seas_req	0.024	7 seasonal	
Tehama	2020-2021	40.34	-121.85	4/5/2021	0	2	35	13 seas_req	0.024	7 seasonal	
Tehama	2020-2021	40.34	-121.85	4/6/2021	0	1	35	13 seas_req	0.024	7 seasonal	
Tehama	2020-2021	40.34	-121.85	4/8/2021	1	1	35	14 seas_req	0.024	7 seasonal	
Tehama	2020-2021	40.34	-121.85	4/9/2021	2	1	35	16 seas_req	0.024	7 seasonal	
Tehama	2020-2021	40.34	-121.85	4/10/2021	0.5	1	35	16.5 seas_req	0.024	7 seasonal	
Tehama	2020-2021	40.34	-121.85	4/11/2021	0	1	35	16.5 seas_req	0.024	7 seasonal	
Tehama	2020-2021	40.34	-121.85	4/12/2021	0	1	35	16.5 seas_req	0.024	7 seasonal	
Tehama	2020-2021	40.34	-121.85	4/24/2021	0	0.5	35	16.5 seas_req	0.024	7 seasonal	
Tehama	2020-2021	40.34	-121.85	4/25/2021	0.5	0.5	35	17 seas_req	0.024	7 seasonal	
Tehama	2020-2021	40.34	-121.85	4/26/2021	1	0.5	35	18 seas_req	0.024	7 seasonal	
Tehama	2020-2021	40.34	-121.529	3/29/2021	3	10	1	3 day_req	NA	NA	single_day
Tehama	2020-2021	40.361	-121.567	4/5/2021	5	5	1	5 day_req	NA	NA	single_day
Tehama	2020-2021	40.71	-121.89	1/12/2021	0	2	1	0 day_req	NA	NA	single_day
Butte	2018-2019	39.475	-121.615	5/28/2019	30	30	1	30 day_req	NA	NA	single_day
Butte	2018-2019	39.488	-121.62	6/5/2019	3	3	1	3 day_req	NA	NA	single_day
Butte	2018-2019	39.525	-121.447	10/9/2018	46	50	2	46 day_req	0.528	7 uncertain	
Butte	2018-2019	39.525	-121.447	10/10/2018	57	62	2	103 day_req	0.528	7 uncertain	
Butte	2018-2019	39.582	-121.936	11/1/2018	55	55	1	55 day_req	NA	NA	single_day
Butte	2018-2019	39.672	-121.382	12/4/2018	2	0.5	1	2 day_req	NA	NA	single_day
Butte	2018-2019	39.711	-121.787	12/18/2018	0	5	4	0 seas_req	0.016	7 seasonal	
Butte	2018-2019	39.711	-121.787	2/5/2019	0	5	4	0 seas_req	0.016	7 seasonal	
Butte	2018-2019	39.711	-121.787	2/6/2019	0	5	4	0 seas_req	0.016	7 seasonal	
Butte	2018-2019	39.711	-121.787	3/15/2019	5	5	4	5 seas_req	0.016	7 seasonal	
Butte	2018-2019	39.86	-121.58	10/3/2018	5.5	8	1	5.5 day_req	NA	NA	single_day
Butte	2018-2019	39.882	-121.649	12/12/2018	5	5	9	5 seas_req	0	7 seasonal	
Butte	2018-2019	39.882	-121.649	12/13/2018	1	5	9	6 seas_req	0	7 seasonal	
Butte	2018-2019	39.882	-121.649	12/15/2018	2	5	9	8 seas_req	0	7 seasonal	
Butte	2018-2019	39.882	-121.649	12/17/2018	1	5	9	9 seas_req	0	7 seasonal	
Butte	2018-2019	39.882	-121.649	12/19/2018	1	5	9	10 seas_req	0	7 seasonal	
Butte	2018-2019	39.882	-121.649	12/20/2018	1	5	9	11 seas_req	0	7 seasonal	
Butte	2018-2019	39.882	-121.649	1/30/2019	0	5	9	11 seas_req	0	7 seasonal	
Butte	2018-2019	39.882	-121.649	1/31/2019	1	5	9	12 seas_req	0	7 seasonal	
Butte	2018-2019	39.882	-121.649	2/1/2019	0	3	9	12 seas_req	0	7 seasonal	
Butte	2018-2019	39.92	-121.644	12/13/2018	2	2	4	2 day_req	0.998	6 daily	
Butte	2018-2019	39.92	-121.644	12/15/2018	2	2	4	4 day_req	0.998	6 daily	
Butte	2018-2019	39.92	-121.644	12/18/2018	1	1	4	5 day_req	0.998	6 daily	
Butte	2018-2019	39.92	-121.644	12/19/2018	2	2	4	7 day_req	0.998	6 daily	
Butte	2018-2019	39.99	-121.489	10/22/2018	0	105	2	0 seas_req	0	7 seasonal	
Butte	2018-2019	39.99	-121.489	10/23/2018	0	114	2	0 seas_req	0	7 seasonal	

Butte	2018-2019	40.05	-121.446	11/28/2018	10	20	1	10 day_req	NA	NA	single_day
Butte	2018-2019	40.079	-121.306	12/10/2018	3	13	2	3 seas_req		0.006	7 seasonal
Butte	2018-2019	40.079	-121.306	3/19/2019	0	10	2	3 seas_req		0.006	7 seasonal
Butte	2019-2020	39.475	-121.615	5/27/2020	30	30	1	30 day_req	NA	NA	single_day
Butte	2019-2020	39.488	-121.62	6/22/2020	1	1	2	1 seas_req		0.324	6 seasonal
Butte	2019-2020	39.488	-121.62	6/23/2020	6	17	2	7 seas_req		0.324	6 seasonal
Butte	2019-2020	39.501	-121.382	3/17/2020	2	2	13	2 day_req		1	6 daily
Butte	2019-2020	39.501	-121.382	3/18/2020	2	2	13	4 day_req		1	6 daily
Butte	2019-2020	39.501	-121.382	3/19/2020	2	2	13	6 day_req		1	6 daily
Butte	2019-2020	39.501	-121.382	3/24/2020	2	2	13	8 day_req		1	6 daily
Butte	2019-2020	39.501	-121.382	3/25/2020	2	2	13	10 day_req		1	6 daily
Butte	2019-2020	39.501	-121.382	3/26/2020	2	2	13	12 day_req		1	6 daily
Butte	2019-2020	39.501	-121.382	3/30/2020	2	2	13	14 day_req		1	6 daily
Butte	2019-2020	39.501	-121.382	4/1/2020	2	2	13	16 day_req		1	6 daily
Butte	2019-2020	39.501	-121.382	4/2/2020	2	2	13	18 day_req		1	6 daily
Butte	2019-2020	39.501	-121.382	4/6/2020	2	2	13	20 day_req		1	6 daily
Butte	2019-2020	39.501	-121.382	4/7/2020	2	2	13	22 day_req		1	6 daily
Butte	2019-2020	39.501	-121.382	4/8/2020	2	2	13	24 day_req		1	6 daily
Butte	2019-2020	39.501	-121.382	4/9/2020	2	2	13	26 day_req		1	6 daily
Butte	2019-2020	39.525	-121.447	10/15/2019	105	105	39	105 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/8/2020	1	2	39	106 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/9/2020	1	2	39	107 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/11/2020	0	4	39	107 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/12/2020	0	2	39	107 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/13/2020	0	2	39	107 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/14/2020	0	2	39	107 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/15/2020	0	2	39	107 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/16/2020	1	2	39	108 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/17/2020	1	2	39	109 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/18/2020	1	2	39	110 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/24/2020	2	2	39	112 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/25/2020	2	2	39	114 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/26/2020	2	2	39	116 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/27/2020	2	2	39	118 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/28/2020	1	2	39	119 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/29/2020	1	2	39	120 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/30/2020	2	2	39	122 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	3/31/2020	2	2	39	124 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/1/2020	2	2	39	126 day_req		0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/2/2020	2	2	39	128 day_req		0.932	3 daily



Butte	2019-2020	39.525	-121.447	4/3/2020	2	2	39	130 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/4/2020	2	2	39	132 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/5/2020	2	2	39	134 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/6/2020	4	4	39	138 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/7/2020	2	2	39	140 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/8/2020	2	2	39	142 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/9/2020	2	2	39	144 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/10/2020	2	2	39	146 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/11/2020	2	2	39	148 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/12/2020	2	2	39	150 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/13/2020	2	2	39	152 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/14/2020	2	2	39	154 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/15/2020	2	2	39	156 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/16/2020	2	2	39	158 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/17/2020	2	2	39	160 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/18/2020	2	2	39	162 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/19/2020	2	2	39	164 day_req	0.932	3 daily
Butte	2019-2020	39.525	-121.447	4/20/2020	2	2	39	166 day_req	0.932	3 daily
Butte	2019-2020	39.53	-121.399	1/13/2020	3	10	2	3 seas_req	0.002	7 seasonal
Butte	2019-2020	39.53	-121.399	1/14/2020	2	10	2	5 seas_req	0.002	7 seasonal
Butte	2019-2020	39.582	-121.936	10/16/2019	15	260	2	15 seas_req	0.21	2 seasonal
Butte	2019-2020	39.582	-121.936	10/17/2019	159	50	2	174 seas_req	0.21	2 seasonal
Butte	2019-2020	39.623	-121.636	11/23/2019	355	371	1	355 day_req	NA	NA single_day
Butte	2019-2020	39.639	-121.98	3/4/2020	20	20	1	20 day_req	NA	NA single_day
Butte	2019-2020	39.641	-121.979	12/10/2019	0.1	40	3	0.1 seas_req	0.146	2 seasonal
Butte	2019-2020	39.641	-121.979	12/11/2019	35	5	3	35.1 seas_req	0.146	2 seasonal
Butte	2019-2020	39.641	-121.979	3/4/2020	20	20	3	55.1 seas_req	0.146	2 seasonal
Butte	2019-2020	39.726	-121.322	12/6/2019	4	7	2	4 day_req	0.664	6 daily
Butte	2019-2020	39.726	-121.322	1/29/2020	1	1	2	5 day_req	0.664	6 daily
Butte	2019-2020	39.742	-121.739	12/17/2019	0.25	0.25	19	0.25 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	1/3/2020	0.25	0.25	19	0.5 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	1/8/2020	0.25	0.25	19	0.75 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	1/9/2020	0.25	0.25	19	1 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	1/10/2020	0.25	0.25	19	1.25 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	1/14/2020	0.5	0.5	19	1.75 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	1/15/2020	0.25	0.25	19	2 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	1/17/2020	0.25	0.25	19	2.25 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	3/3/2020	0.25	0.25	19	2.5 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	3/4/2020	0.25	0.25	19	2.75 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	3/18/2020	0.25	0.25	19	3 day_req	0.956	3 daily

Butte	2019-2020	39.742	-121.739	4/14/2020	0.25	0.25	19	3.25 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	4/15/2020	0.25	0.25	19	3.5 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	4/20/2020	0.25	0.25	19	3.75 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	4/21/2020	0.25	0.25	19	4 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	4/22/2020	0.25	0.25	19	4.25 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	5/13/2020	4	0.25	19	8.25 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	5/14/2020	4	0.25	19	12.25 day_req	0.956	3 daily
Butte	2019-2020	39.742	-121.739	5/19/2020	0	0.25	19	12.25 day_req	0.956	3 daily
Butte	2019-2020	39.757	-121.32	12/9/2019	4	9	2	4 seas_req	0.038	2 seasonal
Butte	2019-2020	39.757	-121.32	12/10/2019	5	5	2	9 seas_req	0.038	2 seasonal
Butte	2019-2020	39.85	-121.701	12/11/2019	0.25	0.25	1	0.25 day_req	NA	NA single_day
Butte	2019-2020	39.877	-121.648	12/17/2019	3	5	2	3 day_req	0.954	6 daily
Butte	2019-2020	39.877	-121.648	12/18/2019	5	5	2	8 day_req	0.954	6 daily
Butte	2019-2020	39.99	-121.489	12/24/2019	74	293	1	74 day_req	NA	NA single_day
Butte	2020-2021	39.475	-121.615	5/24/2021	30	30	1	30 day_req	NA	NA single_day
Butte	2020-2021	39.51	-121.386	1/25/2021	4	2	2	4 day_req	0.844	1 daily
Butte	2020-2021	39.51	-121.386	1/26/2021	2	5	2	6 day_req	0.844	1 daily
Butte	2020-2021	39.59	-121.285	1/26/2021	1	1	1	1 day_req	NA	NA single_day
Butte	2020-2021	39.711	-121.787	2/10/2021	0	5	1	0 day_req	NA	NA single_day
Butte	2020-2021	39.742	-121.739	12/24/2020	0.25	0.25	34	0.25 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	12/25/2020	0.25	0.25	34	0.5 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	12/28/2020	0.25	0.25	34	0.75 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	12/29/2020	0.25	0.25	34	1 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	12/30/2020	0.25	0.25	34	1.25 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	12/31/2020	0.25	0.25	34	1.5 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	1/1/2021	0.25	0.25	34	1.75 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	1/11/2021	0.25	0.25	34	2 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	1/12/2021	0.25	0.25	34	2.25 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	1/13/2021	0.25	0.25	34	2.5 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	1/14/2021	0.25	0.25	34	2.75 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	1/15/2021	0.25	0.25	34	3 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	1/26/2021	0.25	0.25	34	3.25 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	2/8/2021	0.5	0.5	34	3.75 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	2/9/2021	0.25	0.25	34	4 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	2/10/2021	0.25	0.25	34	4.25 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	2/11/2021	0.25	0.25	34	4.5 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	2/12/2021	0.25	0.25	34	4.75 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	2/18/2021	0.25	0.25	34	5 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	2/19/2021	0.25	0.25	34	5.25 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	2/22/2021	0.25	0.25	34	5.5 day_req	0.914	3 daily

Butte	2020-2021	39.742	-121.739	2/23/2021	0.25	0.25	34	5.75 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	2/24/2021	0.25	0.25	34	6 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	3/8/2021	0.25	0.25	34	6.25 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	3/9/2021	0.5	0.5	34	6.75 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	3/10/2021	0.25	0.25	34	7 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	3/11/2021	0.25	0.25	34	7.25 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	3/12/2021	0.25	0.25	34	7.5 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	3/18/2021	0	0.25	34	7.5 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	3/19/2021	0.25	0.25	34	7.75 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	4/5/2021	0	0.5	34	7.75 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	4/6/2021	0	0.25	34	7.75 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	4/7/2021	0	0.25	34	7.75 day_req	0.914	3 daily
Butte	2020-2021	39.742	-121.739	4/8/2021	0.25	0.25	34	8 day_req	0.914	3 daily
Butte	2020-2021	39.814	-121.608	3/6/2021	5	10	6	5 seas_req	0.042	2 seasonal
Butte	2020-2021	39.814	-121.608	3/7/2021	3	10	6	8 seas_req	0.042	2 seasonal
Butte	2020-2021	39.814	-121.608	3/8/2021	3	5	6	11 seas_req	0.042	2 seasonal
Butte	2020-2021	39.814	-121.608	3/9/2021	3	5	6	14 seas_req	0.042	2 seasonal
Butte	2020-2021	39.814	-121.608	3/13/2021	5	5	6	19 seas_req	0.042	2 seasonal
Butte	2020-2021	39.814	-121.608	3/14/2021	5	5	6	24 seas_req	0.042	2 seasonal
Butte	2020-2021	39.846	-121.702	12/3/2020	4	4	23	4 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	12/4/2020	23	4	23	27 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	12/9/2020	23	23	23	50 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	12/10/2020	23	23	23	73 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	12/11/2020	23	23	23	96 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	12/14/2020	0.25	0.5	23	96.25 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	12/15/2020	0.25	0.25	23	96.5 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	12/16/2020	0.25	0.25	23	96.75 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	12/17/2020	0.25	0.25	23	97 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	12/18/2020	0.25	0.25	23	97.25 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	12/21/2020	5	5	23	102.25 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	12/22/2020	5	5	23	107.25 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	12/23/2020	5	5	23	112.25 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	1/5/2021	0.25	0.25	23	112.5 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	1/6/2021	0.25	0.25	23	112.75 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	1/7/2021	0.25	0.25	23	113 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	1/8/2021	0.25	0.25	23	113.25 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	1/21/2021	0.25	0.25	23	113.5 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	2/3/2021	0.25	0.25	23	113.75 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	2/4/2021	0.25	0.25	23	114 day_req	0.946	3 daily
Butte	2020-2021	39.846	-121.702	2/5/2021	0	0.25	23	114 day_req	0.946	3 daily

Butte	2020-2021	39.846	-121.702	3/4/2021	0.1	0.25	23	114.1	day_req	0.946	3	daily
Butte	2020-2021	39.846	-121.702	3/5/2021	0	0.25	23	114.1	day_req	0.946	3	daily
Butte	2020-2021	39.848	-121.571	1/25/2021	1	12	3	1	seas_req	0.17	2	seasonal
Butte	2020-2021	39.848	-121.571	1/26/2021	4	8	3	5	seas_req	0.17	2	seasonal
Butte	2020-2021	39.848	-121.571	2/10/2021	12	1	3	17	seas_req	0.17	2	seasonal
Butte	2020-2021	39.879	-121.689	12/1/2020	0.25	0.25	9	0.25	seas_req	0.082	2	seasonal
Butte	2020-2021	39.879	-121.689	12/2/2020	0.5	0.25	9	0.75	seas_req	0.082	2	seasonal
Butte	2020-2021	39.879	-121.689	12/14/2020	0.5	0.5	9	1.25	seas_req	0.082	2	seasonal
Butte	2020-2021	39.879	-121.689	1/6/2021	0.5	0.5	9	1.75	seas_req	0.082	2	seasonal
Butte	2020-2021	39.879	-121.689	4/7/2021	0.3	1	9	2.05	seas_req	0.082	2	seasonal
Butte	2020-2021	39.879	-121.689	4/8/2021	0.25	1.5	9	2.3	seas_req	0.082	2	seasonal
Butte	2020-2021	39.879	-121.689	4/9/2021	0.25	1	9	2.55	seas_req	0.082	2	seasonal
Butte	2020-2021	39.879	-121.689	4/27/2021	0	0.5	9	2.55	seas_req	0.082	2	seasonal
Butte	2020-2021	39.879	-121.689	4/28/2021	0.25	0.5	9	2.8	seas_req	0.082	2	seasonal
Butte	2020-2021	39.887	-121.611	3/3/2021	60	60	1	60	day_req	NA	NA	single_day
Butte	2020-2021	39.903	-121.635	3/4/2021	30	60	1	30	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.22	-120.12	11/1/2018	31	55	1	31	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.309	-120.934	5/6/2019	0	8	2	0	seas_req	0	7	seasonal
Northern Sierra	2018-2019	39.309	-120.934	5/7/2019	0	8	2	0	seas_req	0	7	seasonal
Northern Sierra	2018-2019	39.318	-120.849	11/27/2018	1	1	1	1	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.319	-120.85	11/27/2018	1	1	1	1	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.328	-120.848	11/27/2018	1	3	1	1	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.334	-120.168	11/28/2018	0.25	0.25	1	0.25	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.366	-120.236	11/1/2018	55	27	1	55	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.376	-120.18	11/28/2018	0.25	0.25	1	0.25	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.38	-121.21	10/17/2018	1	80	1	1	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.4	-120.2	5/8/2019	1	39	1	1	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.406	-120.194	11/28/2018	0.25	0.25	1	0.25	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.41	-120.203	10/24/2018	29	32	1	29	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.41	-120.2	10/24/2018	32	31	1	32	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.42	-120.205	10/18/2018	62	78	1	62	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.42	-120.201	10/24/2018	78	29	1	78	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.433	-120.242	12/3/2018	0.25	5	1	0.25	day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.438	-120.231	4/30/2019	2	5	6	2	day_req	0.976	1	daily
Northern Sierra	2018-2019	39.438	-120.231	5/1/2019	5	10	6	7	day_req	0.976	1	daily
Northern Sierra	2018-2019	39.438	-120.231	5/2/2019	10	5	6	17	day_req	0.976	1	daily
Northern Sierra	2018-2019	39.438	-120.231	5/6/2019	5	20	6	22	day_req	0.976	1	daily
Northern Sierra	2018-2019	39.438	-120.231	5/28/2019	5	15	6	27	day_req	0.976	1	daily
Northern Sierra	2018-2019	39.438	-120.231	5/30/2019	39	15	6	66	day_req	0.976	1	daily
Northern Sierra	2018-2019	39.456	-120.83	11/27/2018	3	3	1	3	day_req	NA	NA	single_day

Northern Sierra	2018-2019	39.461	-120.821	11/27/2018	3	3	1	3 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.463	-120.913	11/27/2018	2	2	1	2 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.465	-120.268	10/30/2018	0	75	1	0 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.472	-120.101	11/27/2018	27	0.25	1	27 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.474	-120.8	11/27/2018	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.485	-120.841	11/27/2018	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.487	-120.843	11/27/2018	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.488	-120.84	11/27/2018	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.489	-120.839	10/22/2018	0	200	3	0 seas_req		0.032	2 seasonal
Northern Sierra	2018-2019	39.489	-120.839	10/23/2018	84	150	3	84 seas_req		0.032	2 seasonal
Northern Sierra	2018-2019	39.489	-120.839	11/4/2018	100	200	3	184 seas_req		0.032	2 seasonal
Northern Sierra	2018-2019	39.495	-120.83	11/27/2018	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.496	-120.774	11/27/2018	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.498	-120.78	11/27/2018	3	3	1	3 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.504	-120.804	11/27/2018	2	2	1	2 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.505	-120.8	11/27/2018	2	2	1	2 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.513	-120.981	11/27/2018	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.521	-120.996	11/27/2018	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.567	-120.606	11/26/2018	3	3	1	3 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.584	-120.37	12/7/2018	0	30	3	0 seas_req		0	7 seasonal
Northern Sierra	2018-2019	39.584	-120.37	12/12/2018	0	4	3	0 seas_req		0	7 seasonal
Northern Sierra	2018-2019	39.584	-120.37	12/13/2018	0	4	3	0 seas_req		0	7 seasonal
Northern Sierra	2018-2019	39.604	-120.93	11/26/2018	3	3	1	3 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.624	-120.676	11/26/2018	0	23	1	0 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.626	-120.62	11/27/2018	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.63	-120.882	11/26/2018	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.664	-120.996	11/1/2018	184	290	4	184 seas_req		0.006	7 seasonal
Northern Sierra	2018-2019	39.664	-120.996	11/2/2018	160	160	4	344 seas_req		0.006	7 seasonal
Northern Sierra	2018-2019	39.664	-120.996	11/8/2018	44	226	4	388 seas_req		0.006	7 seasonal
Northern Sierra	2018-2019	39.664	-120.996	11/9/2018	0	90	4	388 seas_req		0.006	7 seasonal
Northern Sierra	2018-2019	39.67	-120.433	12/6/2018	0	1	2	0 seas_req		0	7 seasonal
Northern Sierra	2018-2019	39.67	-120.433	12/7/2018	0	2	2	0 seas_req		0	7 seasonal
Northern Sierra	2018-2019	39.75	-120.96	2/12/2019	4	4	2	4 day_req		0.988	6 daily
Northern Sierra	2018-2019	39.75	-120.96	3/25/2019	9	10	2	13 day_req		0.988	6 daily
Northern Sierra	2018-2019	39.76	-120.697	4/9/2019	0.5	3	3	0.5 seas_req		0.052	2 seasonal
Northern Sierra	2018-2019	39.76	-120.697	4/10/2019	1.5	2	3	2 seas_req		0.052	2 seasonal
Northern Sierra	2018-2019	39.76	-120.697	4/11/2019	1	2	3	3 seas_req		0.052	2 seasonal
Northern Sierra	2018-2019	39.88	-121.2	11/29/2018	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.9	-120.75	2/1/2019	5	5	1	5 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.93	-121.08	5/21/2019	25	40	3	25 seas_req		0.036	2 seasonal

Northern Sierra	2018-2019	39.93	-121.08	5/22/2019	10	36	3	35 seas_req		0.036	2 seasonal
Northern Sierra	2018-2019	39.93	-121.08	5/23/2019	26	26	3	61 seas_req		0.036	2 seasonal
Northern Sierra	2018-2019	39.93	-120.91	1/30/2019	55	55	1	55 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.934	-120.321	10/23/2018	100	150	1	100 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.94	-121.11	11/29/2018	10	10	1	10 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.962	-121.06	5/15/2019	40	40	3	40 day_req		0.91	1 daily
Northern Sierra	2018-2019	39.962	-121.06	6/3/2019	195	35	3	235 day_req		0.91	1 daily
Northern Sierra	2018-2019	39.962	-121.06	6/4/2019	0	160	3	235 day_req		0.91	1 daily
Northern Sierra	2018-2019	39.98	-120.95	5/16/2019	4	4	1	4 day_req	NA	NA	single_day
Northern Sierra	2018-2019	39.98	-120.94	11/28/2018	6	6	2	6 day_req		1	6 daily
Northern Sierra	2018-2019	39.98	-120.94	1/30/2019	1	1	2	7 day_req		1	6 daily
Northern Sierra	2018-2019	39.99	-120.83	11/29/2018	10	35	1	10 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.004	-120.98	3/12/2019	14	14	1	14 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.005	-120.978	3/14/2019	65	65	2	65 day_req		1	6 daily
Northern Sierra	2018-2019	40.005	-120.978	3/18/2019	59	59	2	124 day_req		1	6 daily
Northern Sierra	2018-2019	40.007	-120.978	3/21/2019	53	53	1	53 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.01	-120.975	3/12/2019	14	64	2	14 seas_req		0.016	2 seasonal
Northern Sierra	2018-2019	40.01	-120.975	3/18/2019	33	33	2	47 seas_req		0.016	2 seasonal
Northern Sierra	2018-2019	40.012	-120.98	4/9/2019	38	38	1	38 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.02	-121.22	1/31/2019	0.5	0.5	1	0.5 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.11	-121.11	12/4/2018	4	10	2	4 seas_req		0	7 seasonal
Northern Sierra	2018-2019	40.11	-121.11	12/10/2018	1	6	2	5 seas_req		0	7 seasonal
Northern Sierra	2018-2019	40.11	-120.97	12/10/2018	2	7	2	2 day_req		0.75	6 daily
Northern Sierra	2018-2019	40.11	-120.97	2/1/2019	2	2	2	4 day_req		0.75	6 daily
Northern Sierra	2018-2019	40.12	-120.95	12/3/2018	30	106	1	30 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.129	-120.992	12/10/2018	50	133	1	50 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.13	-121.01	12/10/2018	10	10	1	10 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.181	-120.685	11/28/2018	60	69	2	60 day_req		0.976	6 daily
Northern Sierra	2018-2019	40.181	-120.685	4/23/2019	9	9	2	69 day_req		0.976	6 daily
Northern Sierra	2018-2019	40.19	-120.99	11/27/2018	97	97	1	97 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.191	-120.694	11/28/2018	140	256	2	140 day_req		0.928	6 daily
Northern Sierra	2018-2019	40.191	-120.694	4/23/2019	116	116	2	256 day_req		0.928	6 daily
Northern Sierra	2018-2019	40.196	-120.606	10/21/2018	219	219	1	219 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.224	-120.716	4/23/2019	177	187	1	177 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.224	-120.597	11/27/2018	15.5	15.5	1	15.5 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.232	-120.816	4/23/2019	58	58	1	58 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.232	-120.807	4/23/2019	101	101	1	101 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.243	-120.667	12/13/2018	64	65	1	64 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.25	-120.673	12/13/2018	47	47	1	47 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.25	-120.59	11/26/2018	87	87	1	87 day_req	NA	NA	single_day

Northern Sierra	2018-2019	40.259	-120.675	12/13/2018	54	54	1	54 day_req	NA	NA	single_day
Northern Sierra	2018-2019	40.413	-121.483	11/27/2018	20	139	1	20 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.22	-120.12	9/27/2019	0	60	1	0 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.271	-120.868	12/19/2019	15	10	2	15 day_req		1	1 daily
Northern Sierra	2019-2020	39.271	-120.868	2/5/2020	50	50	2	65 day_req		1	1 daily
Northern Sierra	2019-2020	39.273	-120.896	2/4/2020	0	25	3	0 seas_req		0	7 seasonal
Northern Sierra	2019-2020	39.273	-120.896	2/5/2020	0	25	3	0 seas_req		0	7 seasonal
Northern Sierra	2019-2020	39.273	-120.896	2/6/2020	0	5	3	0 seas_req		0	7 seasonal
Northern Sierra	2019-2020	39.309	-120.934	1/8/2020	4	5	1	4 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.316	-120.847	1/15/2020	2	5	2	2 seas_req		0.006	2 seasonal
Northern Sierra	2019-2020	39.316	-120.847	2/3/2020	0	10	2	2 seas_req		0.006	2 seasonal
Northern Sierra	2019-2020	39.317	-120.82	9/27/2019	0	20	4	0 day_req		0.876	1 daily
Northern Sierra	2019-2020	39.317	-120.82	9/28/2019	0	17	4	0 day_req		0.876	1 daily
Northern Sierra	2019-2020	39.317	-120.82	1/9/2020	50	40	4	50 day_req		0.876	1 daily
Northern Sierra	2019-2020	39.317	-120.82	2/3/2020	0	2	4	50 day_req		0.876	1 daily
Northern Sierra	2019-2020	39.323	-120.929	9/28/2019	0	41	1	0 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.328	-120.848	10/17/2019	1	2	1	1 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.329	-120.834	2/3/2020	0	9	1	0 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.371	-120.957	1/9/2020	1	1	9	1 day_req		1	6 daily
Northern Sierra	2019-2020	39.371	-120.957	2/3/2020	1	1	9	2 day_req		1	6 daily
Northern Sierra	2019-2020	39.371	-120.957	2/6/2020	1	1	9	3 day_req		1	6 daily
Northern Sierra	2019-2020	39.371	-120.957	2/11/2020	10	10	9	13 day_req		1	6 daily
Northern Sierra	2019-2020	39.371	-120.957	2/12/2020	10	10	9	23 day_req		1	6 daily
Northern Sierra	2019-2020	39.371	-120.957	2/13/2020	10	10	9	33 day_req		1	6 daily
Northern Sierra	2019-2020	39.371	-120.957	2/14/2020	10	10	9	43 day_req		1	6 daily
Northern Sierra	2019-2020	39.371	-120.957	2/15/2020	10	10	9	53 day_req		1	6 daily
Northern Sierra	2019-2020	39.371	-120.957	2/16/2020	10	10	9	63 day_req		1	6 daily
Northern Sierra	2019-2020	39.372	-120.17	12/3/2019	1	15	4	1 seas_req		0.05	2 seasonal
Northern Sierra	2019-2020	39.372	-120.17	12/4/2019	5	15	4	6 seas_req		0.05	2 seasonal
Northern Sierra	2019-2020	39.372	-120.17	12/5/2019	1	15	4	7 seas_req		0.05	2 seasonal
Northern Sierra	2019-2020	39.372	-120.17	12/6/2019	5	2	4	12 seas_req		0.05	2 seasonal
Northern Sierra	2019-2020	39.38	-120.219	9/26/2019	111	111	1	111 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.418	-120.264	11/27/2019	0	2	2	0 day_req		1	6 daily
Northern Sierra	2019-2020	39.418	-120.264	1/20/2020	2	2	2	2 day_req		1	6 daily
Northern Sierra	2019-2020	39.423	-120.265	11/27/2019	0	2	2	0 day_req		1	6 daily
Northern Sierra	2019-2020	39.423	-120.265	2/3/2020	2	2	2	2 day_req		1	6 daily
Northern Sierra	2019-2020	39.425	-120.269	11/27/2019	0	2	2	0 day_req		0.962	6 daily
Northern Sierra	2019-2020	39.425	-120.269	1/20/2020	4	4	2	4 day_req		0.962	6 daily
Northern Sierra	2019-2020	39.426	-120.248	11/27/2019	0	2	2	0 day_req		1	6 daily
Northern Sierra	2019-2020	39.426	-120.248	1/30/2020	2	2	2	2 day_req		1	6 daily

Northern Sierra	2019-2020	39.428	-120.251	11/27/2019	0	2	2	0 day_req	1	6 daily	
Northern Sierra	2019-2020	39.428	-120.251	1/20/2020	2	2	2	2 day_req	1	6 daily	
Northern Sierra	2019-2020	39.433	-120.23	9/30/2019	10	10	4	10 day_req	1	6 daily	
Northern Sierra	2019-2020	39.433	-120.23	10/2/2019	10	10	4	20 day_req	1	6 daily	
Northern Sierra	2019-2020	39.433	-120.23	10/3/2019	10	5	4	30 day_req	1	6 daily	
Northern Sierra	2019-2020	39.433	-120.23	10/6/2019	10	10	4	40 day_req	1	6 daily	
Northern Sierra	2019-2020	39.433	-120.183	2/13/2020	0.25	0.25	1	0.25 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.438	-120.231	1/7/2020	5	5	6	5 day_req	0.99	6 daily	
Northern Sierra	2019-2020	39.438	-120.231	1/8/2020	2	1	6	7 day_req	0.99	6 daily	
Northern Sierra	2019-2020	39.438	-120.231	1/9/2020	2	1	6	9 day_req	0.99	6 daily	
Northern Sierra	2019-2020	39.438	-120.231	1/10/2020	2	2	6	11 day_req	0.99	6 daily	
Northern Sierra	2019-2020	39.438	-120.231	1/13/2020	2	5	6	13 day_req	0.99	6 daily	
Northern Sierra	2019-2020	39.438	-120.231	2/20/2020	0.5	0.5	6	13.5 day_req	0.99	6 daily	
Northern Sierra	2019-2020	39.476	-120.256	11/27/2019	0	94	2	0 seas_req	0.008	2 seasonal	
Northern Sierra	2019-2020	39.476	-120.256	2/11/2020	8	8	2	8 seas_req	0.008	2 seasonal	
Northern Sierra	2019-2020	39.488	-120.259	10/7/2019	56	100	2	56 seas_req	0.17	2 seasonal	
Northern Sierra	2019-2020	39.488	-120.259	10/21/2019	78	78	2	134 seas_req	0.17	2 seasonal	
Northern Sierra	2019-2020	39.584	-120.37	1/30/2020	0	20	1	0 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.589	-120.724	11/26/2019	9	9	1	9 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.59	-120.721	11/26/2019	10	10	1	10 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.595	-120.705	11/26/2019	4	4	1	4 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.595	-120.698	11/26/2019	11	11	1	11 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.598	-120.699	11/26/2019	34	34	1	34 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.603	-120.704	11/26/2019	6	6	1	6 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.607	-120.713	11/26/2019	0	3	1	0 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.607	-120.709	11/26/2019	3	12	1	3 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.61	-120.72	11/26/2019	15	15	1	15 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.611	-120.691	11/26/2019	2	2	1	2 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.612	-120.729	11/26/2019	41	41	1	41 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.617	-120.68	11/26/2019	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.624	-120.676	10/1/2019	23	23	1	23 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.624	-120.668	11/26/2019	3	3	1	3 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.628	-120.669	11/26/2019	3	4	1	3 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.628	-120.623	11/26/2019	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.629	-120.677	11/26/2019	3	3	1	3 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.734	-120.995	10/2/2019	50	140	2	50 seas_req	0.062	2 seasonal	
Northern Sierra	2019-2020	39.734	-120.995	10/3/2019	90	86	2	140 seas_req	0.062	2 seasonal	
Northern Sierra	2019-2020	39.824	-120.499	1/7/2020	50	50	1	50 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.833	-120.605	3/12/2020	0	50	1	0 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.841	-121.173	2/24/2020	15	15	2	15 day_req	1	6 daily	



Northern Sierra	2019-2020	39.841	-121.173	2/25/2020	15	15	2	30 day_req		1	6 daily
Northern Sierra	2019-2020	39.853	-121.163	2/24/2020	36	38	1	36 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.855	-120.732	2/10/2020	0	60	1	0 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.856	-121.17	2/24/2020	15	34	1	15 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.86	-121.16	10/2/2019	2	43	2	2 seas_req		0.132	2 seasonal
Northern Sierra	2019-2020	39.86	-121.16	3/2/2020	36	36	2	38 seas_req		0.132	2 seasonal
Northern Sierra	2019-2020	39.864	-121.159	3/2/2020	5	5	1	5 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.864	-121.146	3/2/2020	7	7	1	7 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.87	-121.16	3/2/2020	22	22	1	22 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.87	-120.763	10/25/2019	0	83	1	0 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.873	-120.766	10/28/2019	0	23	2	0 day_req		0.988	6 daily
Northern Sierra	2019-2020	39.873	-120.766	2/25/2020	23	23	2	23 day_req		0.988	6 daily
Northern Sierra	2019-2020	39.875	-121.173	2/24/2020	0	74	2	0 seas_req		0	7 seasonal
Northern Sierra	2019-2020	39.875	-121.173	2/25/2020	15	133	2	15 seas_req		0	7 seasonal
Northern Sierra	2019-2020	39.875	-120.76	10/25/2019	0	82	1	0 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.878	-121.196	2/25/2020	12	12	1	12 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.888	-120.723	2/3/2020	23	46	2	23 seas_req		0	7 seasonal
Northern Sierra	2019-2020	39.888	-120.723	3/3/2020	0	20	2	23 seas_req		0	7 seasonal
Northern Sierra	2019-2020	39.889	-121.126	2/20/2020	0	50	1	0 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.893	-120.735	2/26/2020	50	50	2	50 day_req		0.818	6 daily
Northern Sierra	2019-2020	39.893	-120.735	2/27/2020	50	103	2	100 day_req		0.818	6 daily
Northern Sierra	2019-2020	39.894	-121.123	2/18/2020	59	59	1	59 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.899	-121.206	2/25/2020	0	14	1	0 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.899	-120.517	3/12/2020	0	3	1	0 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.93	-121.11	12/16/2019	2	25	2	2 seas_req		0	7 seasonal
Northern Sierra	2019-2020	39.93	-121.11	2/11/2020	0.1	20	2	2.1 seas_req		0	7 seasonal
Northern Sierra	2019-2020	39.94	-121.11	12/16/2019	2	25	1	2 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.96	-121.07	10/22/2019	0	363	1	0 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.98	-120.94	12/12/2019	5	5	1	5 day_req	NA	NA	single_day
Northern Sierra	2019-2020	39.99	-120.83	12/9/2019	0	7	1	0 day_req	NA	NA	single_day
Northern Sierra	2019-2020	40.004	-120.988	1/6/2020	0	20	6	0 day_req		0.928	1 daily
Northern Sierra	2019-2020	40.004	-120.988	1/7/2020	0	20	6	0 day_req		0.928	1 daily
Northern Sierra	2019-2020	40.004	-120.988	1/8/2020	0	30	6	0 day_req		0.928	1 daily
Northern Sierra	2019-2020	40.004	-120.988	1/9/2020	0	20	6	0 day_req		0.928	1 daily
Northern Sierra	2019-2020	40.004	-120.988	1/15/2020	149	30	6	149 day_req		0.928	1 daily
Northern Sierra	2019-2020	40.004	-120.988	2/4/2020	21	21	6	170 day_req		0.928	1 daily
Northern Sierra	2019-2020	40.039	-120.26	2/12/2020	10	10	1	10 day_req	NA	NA	single_day
Northern Sierra	2019-2020	40.08	-120.8	1/30/2020	67	67	2	67 day_req		0.998	6 daily
Northern Sierra	2019-2020	40.08	-120.8	3/9/2020	33	33	2	100 day_req		0.998	6 daily
Northern Sierra	2019-2020	40.09	-120.78	1/27/2020	18	34	2	18 day_req		0.922	6 daily

Northern Sierra	2019-2020	40.09	-120.78	1/29/2020	16	16	2	34 day_req		0.922	6 daily
Northern Sierra	2019-2020	40.13	-120.84	1/15/2020	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2019-2020	40.16	-120.95	1/23/2020	0.5	0.5	1	0.5 day_req	NA	NA	single_day
Northern Sierra	2019-2020	40.19	-120.6	12/11/2019	19	19	1	19 day_req	NA	NA	single_day
Northern Sierra	2019-2020	40.198	-121.352	12/11/2019	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2019-2020	40.2	-121.136	1/29/2020	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2019-2020	40.204	-121.277	1/14/2020	15	15	15	15 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.204	-121.277	1/15/2020	15	15	15	30 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.204	-121.277	1/17/2020	0	15	15	30 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.204	-121.277	1/24/2020	10	10	15	40 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.204	-121.277	1/28/2020	10	10	15	50 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.204	-121.277	1/29/2020	0	10	15	50 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.204	-121.277	1/30/2020	0	10	15	50 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.204	-121.277	1/31/2020	10	10	15	60 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.204	-121.277	2/5/2020	10	10	15	70 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.204	-121.277	2/7/2020	10	10	15	80 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.204	-121.277	2/10/2020	10	10	15	90 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.204	-121.277	2/11/2020	0	10	15	90 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.204	-121.277	2/12/2020	0	10	15	90 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.204	-121.277	2/13/2020	0	10	15	90 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.204	-121.277	2/14/2020	0	10	15	90 day_req		0.854	6 daily
Northern Sierra	2019-2020	40.217	-121.274	11/21/2019	2	1	1	2 day_req	NA	NA	single_day
Northern Sierra	2019-2020	40.25	-120.66	3/4/2020	163	163	1	163 day_req	NA	NA	single_day
Northern Sierra	2019-2020	40.25	-120.65	12/10/2019	30	60	2	30 day_req		0.976	6 daily
Northern Sierra	2019-2020	40.25	-120.65	12/11/2019	30	30	2	60 day_req		0.976	6 daily
Northern Sierra	2019-2020	40.411	-121.097	12/4/2019	25	50	8	25 seas_req		0.006	7 seasonal
Northern Sierra	2019-2020	40.411	-121.097	12/9/2019	10	38	8	35 seas_req		0.006	7 seasonal
Northern Sierra	2019-2020	40.411	-121.097	12/10/2019	5	28	8	40 seas_req		0.006	7 seasonal
Northern Sierra	2019-2020	40.411	-121.097	12/11/2019	10	40	8	50 seas_req		0.006	7 seasonal
Northern Sierra	2019-2020	40.411	-121.097	1/10/2020	63	63	8	113 seas_req		0.006	7 seasonal
Northern Sierra	2019-2020	40.411	-121.097	1/14/2020	0	20	8	113 seas_req		0.006	7 seasonal
Northern Sierra	2019-2020	40.411	-121.097	1/15/2020	0	20	8	113 seas_req		0.006	7 seasonal
Northern Sierra	2019-2020	40.411	-121.097	1/17/2020	0	20	8	113 seas_req		0.006	7 seasonal
Northern Sierra	2019-2020	40.413	-121.483	10/2/2019	1	2	1	1 day_req	NA	NA	single_day
Northern Sierra	2019-2020	40.424	-121.077	12/5/2019	50	50	8	50 seas_req		0.056	7 seasonal
Northern Sierra	2019-2020	40.424	-121.077	12/10/2019	43	25	8	93 seas_req		0.056	7 seasonal
Northern Sierra	2019-2020	40.424	-121.077	12/16/2019	5	30	8	98 seas_req		0.056	7 seasonal
Northern Sierra	2019-2020	40.424	-121.077	12/17/2019	5	30	8	103 seas_req		0.056	7 seasonal
Northern Sierra	2019-2020	40.424	-121.077	1/7/2020	50	50	8	153 seas_req		0.056	7 seasonal
Northern Sierra	2019-2020	40.424	-121.077	1/8/2020	20	50	8	173 seas_req		0.056	7 seasonal

Northern Sierra	2019-2020	40.424	-121.077	1/22/2020	1	25	8	174 seas_req		0.056	7 seasonal
Northern Sierra	2019-2020	40.424	-121.077	1/23/2020	0	25	8	174 seas_req		0.056	7 seasonal
Northern Sierra	2019-2020	40.43	-121.278	11/26/2019	2	5	1	2 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.268	-120.868	12/15/2020	0	58	7	0 day_req		0.64	1 daily
Northern Sierra	2020-2021	39.268	-120.868	1/11/2021	14	58	7	14 day_req		0.64	1 daily
Northern Sierra	2020-2021	39.268	-120.868	1/12/2021	15	25	7	29 day_req		0.64	1 daily
Northern Sierra	2020-2021	39.268	-120.868	1/13/2021	29	15	7	58 day_req		0.64	1 daily
Northern Sierra	2020-2021	39.268	-120.868	1/14/2021	16	15	7	74 day_req		0.64	1 daily
Northern Sierra	2020-2021	39.268	-120.868	2/9/2021	30	20	7	104 day_req		0.64	1 daily
Northern Sierra	2020-2021	39.268	-120.868	2/10/2021	14	20	7	118 day_req		0.64	1 daily
Northern Sierra	2020-2021	39.273	-120.896	12/15/2020	6	25	1	6 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.316	-120.847	1/7/2021	5	20	3	5 seas_req		0	7 seasonal
Northern Sierra	2020-2021	39.316	-120.847	1/25/2021	0	10	3	5 seas_req		0	7 seasonal
Northern Sierra	2020-2021	39.316	-120.847	3/10/2021	0	10	3	5 seas_req		0	7 seasonal
Northern Sierra	2020-2021	39.323	-120.932	4/5/2021	0	20	2	0 seas_req		0	7 seasonal
Northern Sierra	2020-2021	39.323	-120.932	4/6/2021	8	40	2	8 seas_req		0	7 seasonal
Northern Sierra	2020-2021	39.334	-120.168	11/23/2020	0.5	0.5	1	0.5 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.359	-120.651	4/22/2021	0	10	2	0 seas_req		0.014	2 seasonal
Northern Sierra	2020-2021	39.359	-120.651	4/29/2021	2	2	2	2 seas_req		0.014	2 seasonal
Northern Sierra	2020-2021	39.369	-120.165	11/24/2020	2	0.5	1	2 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.37	-120.957	3/24/2021	1	10	6	1 seas_req		0	7 seasonal
Northern Sierra	2020-2021	39.37	-120.957	3/25/2021	1	10	6	2 seas_req		0	7 seasonal
Northern Sierra	2020-2021	39.37	-120.957	3/26/2021	1	10	6	3 seas_req		0	7 seasonal
Northern Sierra	2020-2021	39.37	-120.957	3/27/2021	0	1	6	3 seas_req		0	7 seasonal
Northern Sierra	2020-2021	39.37	-120.957	3/28/2021	0	1	6	3 seas_req		0	7 seasonal
Northern Sierra	2020-2021	39.37	-120.957	3/29/2021	0	1	6	3 seas_req		0	7 seasonal
Northern Sierra	2020-2021	39.376	-120.18	11/24/2020	5	2	1	5 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.415	-120.196	1/25/2021	4	1	1	4 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.422	-120.23	5/1/2021	0	56	1	0 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.426	-120.222	1/25/2021	40	40	1	40 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.426	-120.198	1/25/2021	1	1	1	1 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.428	-120.221	4/29/2021	5	99	1	5 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.429	-120.186	1/25/2021	25	1	1	25 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.431	-120.247	12/2/2020	25	20	1	25 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.433	-120.242	12/1/2020	119	55	1	119 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.433	-120.23	12/1/2020	55	32	2	55 day_req		0.996	1 daily
Northern Sierra	2020-2021	39.433	-120.23	12/2/2020	10	37	2	65 day_req		0.996	1 daily
Northern Sierra	2020-2021	39.438	-120.231	11/30/2020	0.5	50	1	0.5 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.472	-120.101	11/23/2020	0.5	0.5	1	0.5 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.476	-120.256	11/30/2020	2	5	3	2 day_req		0.84	1 daily

Northern Sierra	2020-2021	39.476	-120.256	12/1/2020	92	50	3	94 day_req	0.84	1 daily
Northern Sierra	2020-2021	39.476	-120.256	12/2/2020	71	71	3	165 day_req	0.84	1 daily
Northern Sierra	2020-2021	39.535	-120.027	1/26/2021	0	9	3	0 day_req	0.774	1 daily
Northern Sierra	2020-2021	39.535	-120.027	1/28/2021	0	9	3	0 day_req	0.774	1 daily
Northern Sierra	2020-2021	39.535	-120.027	2/16/2021	16	9	3	16 day_req	0.774	1 daily
Northern Sierra	2020-2021	39.572	-120.041	4/15/2021	0	77	2	0 seas_req	0.012	7 seasonal
Northern Sierra	2020-2021	39.572	-120.041	4/16/2021	77	103	2	77 seas_req	0.012	7 seasonal
Northern Sierra	2020-2021	39.58	-120.055	1/6/2021	25	4	1	25 day_req	NA	NA single_day
Northern Sierra	2020-2021	39.584	-120.37	12/3/2020	15	15	1	15 day_req	NA	NA single_day
Northern Sierra	2020-2021	39.59	-120.075	12/7/2020	20	5	3	20 day_req	0.968	1 daily
Northern Sierra	2020-2021	39.59	-120.075	12/8/2020	9	10	3	29 day_req	0.968	1 daily
Northern Sierra	2020-2021	39.59	-120.075	12/9/2020	14	16	3	43 day_req	0.968	1 daily
Northern Sierra	2020-2021	39.596	-120.078	1/5/2021	7	10	2	7 seas_req	0.03	2 seasonal
Northern Sierra	2020-2021	39.596	-120.078	1/6/2021	4	14	2	11 seas_req	0.03	2 seasonal
Northern Sierra	2020-2021	39.622	-120.523	12/3/2020	15	25	6	15 day_req	0.942	1 daily
Northern Sierra	2020-2021	39.622	-120.523	12/4/2020	38	15	6	53 day_req	0.942	1 daily
Northern Sierra	2020-2021	39.622	-120.523	12/5/2020	0	15	6	53 day_req	0.942	1 daily
Northern Sierra	2020-2021	39.622	-120.523	12/6/2020	0	15	6	53 day_req	0.942	1 daily
Northern Sierra	2020-2021	39.622	-120.523	12/8/2020	45	25	6	98 day_req	0.942	1 daily
Northern Sierra	2020-2021	39.622	-120.523	12/9/2020	19	19	6	117 day_req	0.942	1 daily
Northern Sierra	2020-2021	39.631	-120.553	12/11/2020	42	60	3	42 seas_req	0.442	1 uncertain
Northern Sierra	2020-2021	39.631	-120.553	1/18/2021	0	20	3	42 seas_req	0.442	1 uncertain
Northern Sierra	2020-2021	39.631	-120.553	1/21/2021	29	20	3	71 seas_req	0.442	1 uncertain
Northern Sierra	2020-2021	39.635	-120.554	1/15/2021	20	30	6	20 seas_req	0.042	7 seasonal
Northern Sierra	2020-2021	39.635	-120.554	1/16/2021	60	30	6	80 seas_req	0.042	7 seasonal
Northern Sierra	2020-2021	39.635	-120.554	1/17/2021	6	25	6	86 seas_req	0.042	7 seasonal
Northern Sierra	2020-2021	39.635	-120.554	1/18/2021	0	25	6	86 seas_req	0.042	7 seasonal
Northern Sierra	2020-2021	39.635	-120.554	1/21/2021	0	29	6	86 seas_req	0.042	7 seasonal
Northern Sierra	2020-2021	39.635	-120.554	1/22/2021	20	29	6	106 seas_req	0.042	7 seasonal
Northern Sierra	2020-2021	39.656	-120.278	1/26/2021	30	50	1	30 day_req	NA	NA single_day
Northern Sierra	2020-2021	39.67	-120.433	12/3/2020	0	3	1	0 day_req	NA	NA single_day
Northern Sierra	2020-2021	39.68	-120.992	1/25/2021	1	4	1	1 day_req	NA	NA single_day
Northern Sierra	2020-2021	39.68	-120.99	1/25/2021	1	1	1	1 day_req	NA	NA single_day
Northern Sierra	2020-2021	39.875	-121.173	12/15/2020	1	2	3	1 seas_req	0.23	2 seasonal
Northern Sierra	2020-2021	39.875	-121.173	12/16/2020	2	1	3	3 seas_req	0.23	2 seasonal
Northern Sierra	2020-2021	39.875	-121.173	1/6/2021	0	10	3	3 seas_req	0.23	2 seasonal
Northern Sierra	2020-2021	39.88	-121.2	12/15/2020	1	1	1	1 day_req	NA	NA single_day
Northern Sierra	2020-2021	39.884	-120.731	4/12/2021	60	58	4	60 day_req	0.854	1 daily
Northern Sierra	2020-2021	39.884	-120.731	4/14/2021	0	50	4	60 day_req	0.854	1 daily
Northern Sierra	2020-2021	39.884	-120.731	4/15/2021	0	50	4	60 day_req	0.854	1 daily

Northern Sierra	2020-2021	39.884	-120.731	4/19/2021	58	50	4	118 day_req		0.854	1 daily
Northern Sierra	2020-2021	39.893	-120.735	3/31/2021	4	60	1	4 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.951	-120.955	1/26/2021	37	37	1	37 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.96	-121.07	4/13/2021	0.5	151	1	0.5 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.961	-120.954	1/6/2021	26	30.6	1	26 day_req	NA	NA	single_day
Northern Sierra	2020-2021	39.98	-120.966	2/3/2021	7	7	3	7 day_req		0.984	6 daily
Northern Sierra	2020-2021	39.98	-120.966	2/5/2021	0	2	3	7 day_req		0.984	6 daily
Northern Sierra	2020-2021	39.98	-120.966	2/8/2021	2	2	3	9 day_req		0.984	6 daily
Northern Sierra	2020-2021	39.98	-120.952	2/10/2021	35	82	2	35 day_req		0.958	1 daily
Northern Sierra	2020-2021	39.98	-120.952	2/11/2021	151	42	2	186 day_req		0.958	1 daily
Northern Sierra	2020-2021	39.981	-120.944	2/3/2021	5	7	3	5 seas_req		0.034	7 seasonal
Northern Sierra	2020-2021	39.981	-120.944	2/4/2021	0	2	3	5 seas_req		0.034	7 seasonal
Northern Sierra	2020-2021	39.981	-120.944	2/9/2021	6	6	3	11 seas_req		0.034	7 seasonal
Northern Sierra	2020-2021	39.984	-120.97	2/17/2021	30	35	5	30 seas_req		0.004	7 seasonal
Northern Sierra	2020-2021	39.984	-120.97	2/18/2021	35	50	5	65 seas_req		0.004	7 seasonal
Northern Sierra	2020-2021	39.984	-120.97	2/24/2021	0	5	5	65 seas_req		0.004	7 seasonal
Northern Sierra	2020-2021	39.984	-120.97	3/8/2021	17	50	5	82 seas_req		0.004	7 seasonal
Northern Sierra	2020-2021	39.984	-120.97	3/9/2021	8	50	5	90 seas_req		0.004	7 seasonal
Northern Sierra	2020-2021	40.006	-120.976	2/3/2021	26	31	3	26 seas_req		0.434	7 uncertain
Northern Sierra	2020-2021	40.006	-120.976	2/4/2021	3	5	3	29 seas_req		0.434	7 uncertain
Northern Sierra	2020-2021	40.006	-120.976	2/5/2021	2	2	3	31 seas_req		0.434	7 uncertain
Northern Sierra	2020-2021	40.05	-120.795	3/10/2021	31	60	2	31 seas_req		0.244	7 seasonal
Northern Sierra	2020-2021	40.05	-120.795	3/11/2021	30	60	2	61 seas_req		0.244	7 seasonal
Northern Sierra	2020-2021	40.069	-120.844	1/25/2021	35	12	1	35 day_req	NA	NA	single_day
Northern Sierra	2020-2021	40.085	-120.789	1/26/2021	12	34	3	12 day_req		0.772	1 daily
Northern Sierra	2020-2021	40.085	-120.789	3/8/2021	10	6	3	22 day_req		0.772	1 daily
Northern Sierra	2020-2021	40.085	-120.789	3/10/2021	0	16	3	22 day_req		0.772	1 daily
Northern Sierra	2020-2021	40.103	-120.712	12/10/2020	21	140	5	21 seas_req		0.016	2 seasonal
Northern Sierra	2020-2021	40.103	-120.712	12/13/2020	5	50	5	26 seas_req		0.016	2 seasonal
Northern Sierra	2020-2021	40.103	-120.712	12/14/2020	25	25	5	51 seas_req		0.016	2 seasonal
Northern Sierra	2020-2021	40.103	-120.712	12/15/2020	25	25	5	76 seas_req		0.016	2 seasonal
Northern Sierra	2020-2021	40.103	-120.712	12/17/2020	0	30	5	76 seas_req		0.016	2 seasonal
Northern Sierra	2020-2021	40.116	-121.225	4/26/2021	0.5	1	1	0.5 day_req	NA	NA	single_day
Northern Sierra	2020-2021	40.117	-120.71	12/9/2020	1	10	3	1 seas_req		0	7 seasonal
Northern Sierra	2020-2021	40.117	-120.71	12/16/2020	1	50	3	2 seas_req		0	7 seasonal
Northern Sierra	2020-2021	40.117	-120.71	12/17/2020	0	20	3	2 seas_req		0	7 seasonal
Northern Sierra	2020-2021	40.156	-121.297	2/17/2021	0	25	4	0 seas_req		0.01	7 seasonal
Northern Sierra	2020-2021	40.156	-121.297	2/18/2021	0	28	4	0 seas_req		0.01	7 seasonal
Northern Sierra	2020-2021	40.156	-121.297	2/24/2021	40	50	4	40 seas_req		0.01	7 seasonal
Northern Sierra	2020-2021	40.156	-121.297	2/25/2021	0	28	4	40 seas_req		0.01	7 seasonal

Northern Sierra	2020-2021	40.156	-120.853	3/9/2021	135	16	1	135 day_req	NA	NA	single_day
Northern Sierra	2020-2021	40.188	-121.342	1/20/2021	84	84	2	84 day_req		1	6 daily
Northern Sierra	2020-2021	40.188	-121.342	1/25/2021	100	100	2	184 day_req		1	6 daily
Northern Sierra	2020-2021	40.213	-121.302	1/20/2021	20	20	2	20 day_req	0.996		6 daily
Northern Sierra	2020-2021	40.213	-121.302	1/25/2021	1	6	2	21 day_req	0.996		6 daily
Northern Sierra	2020-2021	40.217	-121.274	1/25/2021	3	10	1	3 day_req	NA	NA	single_day
Northern Sierra	2020-2021	40.22	-120.659	4/19/2021	0	37	1	0 day_req	NA	NA	single_day
Northern Sierra	2020-2021	40.23	-120.655	4/19/2021	0	7	1	0 day_req	NA	NA	single_day
Northern Sierra	2020-2021	40.231	-120.66	4/19/2021	0	31	1	0 day_req	NA	NA	single_day
Northern Sierra	2020-2021	40.234	-120.659	4/19/2021	0	30	1	0 day_req	NA	NA	single_day
Northern Sierra	2020-2021	40.283	-121.294	2/2/2021	70	50	4	70 day_req		0.94	1 daily
Northern Sierra	2020-2021	40.283	-121.294	2/16/2021	0	90	4	70 day_req		0.94	1 daily
Northern Sierra	2020-2021	40.283	-121.294	2/22/2021	41	80	4	111 day_req		0.94	1 daily
Northern Sierra	2020-2021	40.283	-121.294	2/23/2021	0	29	4	111 day_req		0.94	1 daily
Northern Sierra	2020-2021	40.356	-121.337	5/20/2021	0	83	2	0 day_req		0.99	6 daily
Northern Sierra	2020-2021	40.356	-121.337	6/1/2021	83	83	2	83 day_req		0.99	6 daily
Northern Sierra	2020-2021	40.357	-121.346	5/21/2021	0	151	1	0 day_req	NA	NA	single_day
Northern Sierra	2020-2021	40.438	-121.086	1/20/2021	60	60	2	60 day_req		0.98	6 daily
Northern Sierra	2020-2021	40.438	-121.086	1/25/2021	85	100	2	145 day_req		0.98	6 daily
Glenn	2018-2019	39.43	-122.185	5/24/2019	3	15	1	3 day_req	NA	NA	single_day
Glenn	2018-2019	39.449	-122.016	4/25/2019	60	7	1	60 day_req	NA	NA	single_day
Glenn	2018-2019	39.649	-122.74	12/10/2018	5	5	1	5 day_req	NA	NA	single_day
Glenn	2018-2019	39.655	-122.836	11/29/2018	5	5	1	5 day_req	NA	NA	single_day
Glenn	2019-2020	39.396	-122.174	12/3/2019	30	0.1	3	30 day_req		0.904	4 daily
Glenn	2019-2020	39.396	-122.174	1/9/2020	5	3	3	35 day_req		0.904	4 daily
Glenn	2019-2020	39.396	-122.174	1/13/2020	3	3	3	38 day_req		0.904	4 daily
Glenn	2019-2020	39.449	-122.016	10/17/2019	0	12	2	0 day_req		0.986	1 daily
Glenn	2019-2020	39.449	-122.016	10/18/2019	50	12	2	50 day_req		0.986	1 daily
Glenn	2019-2020	39.471	-122.001	10/18/2019	0	85	4	0 day_req		0.604	1 daily
Glenn	2019-2020	39.471	-122.001	11/7/2019	0	85	4	0 day_req		0.604	1 daily
Glenn	2019-2020	39.471	-122.001	11/13/2019	0	85	4	0 day_req		0.604	1 daily
Glenn	2019-2020	39.471	-122.001	11/15/2019	89	85	4	89 day_req		0.604	1 daily
Glenn	2019-2020	39.537	-122.586	1/29/2020	5	5	2	5 day_req		0.984	6 daily
Glenn	2019-2020	39.537	-122.586	2/18/2020	109	110	2	114 day_req		0.984	6 daily
Glenn	2019-2020	39.67	-122.639	12/11/2019	0	377	3	0 seas_req		0.058	7 seasonal
Glenn	2019-2020	39.67	-122.639	12/12/2019	0	377	3	0 seas_req		0.058	7 seasonal
Glenn	2019-2020	39.67	-122.639	12/17/2019	0	377	3	0 seas_req		0.058	7 seasonal
Glenn	2019-2020	39.721	-122.867	1/8/2020	20	65	1	20 day_req	NA	NA	single_day
Glenn	2020-2021	39.478	-122.185	3/1/2021	0	2	5	0 seas_req		0.01	7 seasonal
Glenn	2020-2021	39.478	-122.185	3/2/2021	0	2	5	0 seas_req		0.01	7 seasonal

Glenn	2020-2021	39.478	-122.185	3/8/2021	0	2	5	0 seas_req	0.01	7 seasonal
Glenn	2020-2021	39.478	-122.185	3/9/2021	0	2	5	0 seas_req	0.01	7 seasonal
Glenn	2020-2021	39.478	-122.185	3/10/2021	0	2	5	0 seas_req	0.01	7 seasonal
Feather River	2018-2019	39.283	-121.289	10/23/2018	130	130	1	130 day_req	NA	NA single_day
Feather River	2018-2019	39.365	-121.283	12/3/2018	5	5	5	5 day_req	0.962	6 daily
Feather River	2018-2019	39.365	-121.283	12/4/2018	15	15	5	20 day_req	0.962	6 daily
Feather River	2018-2019	39.365	-121.283	12/6/2018	2	2	5	22 day_req	0.962	6 daily
Feather River	2018-2019	39.365	-121.283	12/7/2018	2	2	5	24 day_req	0.962	6 daily
Feather River	2018-2019	39.365	-121.283	12/11/2018	6	6	5	30 day_req	0.962	6 daily
Feather River	2018-2019	39.403	-121.115	12/3/2018	3	7	2	3 seas_req	0.024	2 seasonal
Feather River	2018-2019	39.403	-121.115	12/11/2018	4	4	2	7 seas_req	0.024	2 seasonal
Feather River	2018-2019	39.405	-121.133	12/3/2018	1	1	3	1 seas_req	0.102	7 seasonal
Feather River	2018-2019	39.405	-121.133	3/4/2019	1	4	3	2 seas_req	0.102	7 seasonal
Feather River	2018-2019	39.405	-121.133	5/2/2019	1	2	3	3 seas_req	0.102	7 seasonal
Feather River	2018-2019	39.426	-121.173	12/17/2018	0	34	9	0 seas_req	0.012	2 seasonal
Feather River	2018-2019	39.426	-121.173	12/18/2018	3	29	9	3 seas_req	0.012	2 seasonal
Feather River	2018-2019	39.426	-121.173	2/6/2019	1	10	9	4 seas_req	0.012	2 seasonal
Feather River	2018-2019	39.426	-121.173	2/11/2019	1	10	9	5 seas_req	0.012	2 seasonal
Feather River	2018-2019	39.426	-121.173	3/21/2019	5	13	9	10 seas_req	0.012	2 seasonal
Feather River	2018-2019	39.426	-121.173	4/1/2019	10	3	9	20 seas_req	0.012	2 seasonal
Feather River	2018-2019	39.426	-121.173	4/2/2019	1.5	11	9	21.5 seas_req	0.012	2 seasonal
Feather River	2018-2019	39.426	-121.173	4/10/2019	0	5	9	21.5 seas_req	0.012	2 seasonal
Feather River	2018-2019	39.426	-121.173	4/17/2019	9	9	9	30.5 seas_req	0.012	2 seasonal
Feather River	2018-2019	39.441	-121.082	12/3/2018	0	1	4	0 seas_req	0.024	7 seasonal
Feather River	2018-2019	39.441	-121.082	12/10/2018	0	1	4	0 seas_req	0.024	7 seasonal
Feather River	2018-2019	39.441	-121.082	12/11/2018	0	1	4	0 seas_req	0.024	7 seasonal
Feather River	2018-2019	39.441	-121.082	12/13/2018	1	1	4	1 seas_req	0.024	7 seasonal
Feather River	2018-2019	39.444	-121.068	12/18/2018	0	5	2	0 seas_req	0	7 seasonal
Feather River	2018-2019	39.444	-121.068	5/31/2019	0	8	2	0 seas_req	0	7 seasonal
Feather River	2018-2019	39.446	-121.069	12/10/2018	4	6	3	4 seas_req	0.004	7 seasonal
Feather River	2018-2019	39.446	-121.069	12/11/2018	0	2	3	4 seas_req	0.004	7 seasonal
Feather River	2018-2019	39.446	-121.069	12/13/2018	2	2	3	6 seas_req	0.004	7 seasonal
Feather River	2018-2019	39.448	-121.117	12/6/2018	1	1	1	1 day_req	NA	NA single_day
Feather River	2018-2019	39.45	-121.062	11/28/2018	4	4	1	4 day_req	NA	NA single_day
Feather River	2018-2019	39.451	-121.129	12/4/2018	2	2	1	2 day_req	NA	NA single_day
Feather River	2018-2019	39.451	-121.051	12/19/2018	5	5	1	5 day_req	NA	NA single_day
Feather River	2018-2019	39.456	-121.068	12/6/2018	2	7	2	2 seas_req	0.002	7 seasonal
Feather River	2018-2019	39.456	-121.068	5/1/2019	0	5	2	2 seas_req	0.002	7 seasonal
Feather River	2018-2019	39.458	-121.068	11/28/2018	1	1	1	1 day_req	NA	NA single_day
Feather River	2018-2019	39.459	-121.112	12/4/2018	5	5	1	5 day_req	NA	NA single_day

Feather River	2018-2019	39.461	-121.058	11/28/2018	1	1	1	1 day_req	NA	NA	single_day
Feather River	2018-2019	39.462	-121.071	11/28/2018	2	2	1	2 day_req	NA	NA	single_day
Feather River	2018-2019	39.466	-121.07	11/28/2018	5	5	1	5 day_req	NA	NA	single_day
Feather River	2018-2019	39.471	-121.111	12/5/2018	0	1	2	0 day_req		0.998	6 daily
Feather River	2018-2019	39.471	-121.111	12/6/2018	1	1	2	1 day_req		0.998	6 daily
Feather River	2018-2019	39.471	-121.074	11/28/2018	2	2	1	2 day_req	NA	NA	single_day
Feather River	2018-2019	39.472	-121.141	11/29/2018	0	26	5	0 seas_req		0	7 seasonal
Feather River	2018-2019	39.472	-121.141	12/6/2018	0	26	5	0 seas_req		0	7 seasonal
Feather River	2018-2019	39.472	-121.141	12/10/2018	0	26	5	0 seas_req		0	7 seasonal
Feather River	2018-2019	39.472	-121.141	3/4/2019	0	26	5	0 seas_req		0	7 seasonal
Feather River	2018-2019	39.472	-121.141	3/14/2019	0	26	5	0 seas_req		0	7 seasonal
Feather River	2018-2019	39.473	-121.071	11/28/2018	2	2	1	2 day_req	NA	NA	single_day
Feather River	2018-2019	39.474	-121.138	11/29/2018	30	34	5	30 seas_req		0.014	7 seasonal
Feather River	2018-2019	39.474	-121.138	12/6/2018	0	4	5	30 seas_req		0.014	7 seasonal
Feather River	2018-2019	39.474	-121.138	12/10/2018	0	4	5	30 seas_req		0.014	7 seasonal
Feather River	2018-2019	39.474	-121.138	3/4/2019	0	4	5	30 seas_req		0.014	7 seasonal
Feather River	2018-2019	39.474	-121.138	3/14/2019	0	4	5	30 seas_req		0.014	7 seasonal
Feather River	2018-2019	39.474	-121.078	11/28/2018	2	2	1	2 day_req	NA	NA	single_day
Feather River	2018-2019	39.476	-121.076	11/28/2018	1	1	1	1 day_req	NA	NA	single_day
Feather River	2018-2019	39.478	-121.077	11/28/2018	2	2	1	2 day_req	NA	NA	single_day
Feather River	2018-2019	39.482	-121.067	11/28/2018	2	2	1	2 day_req	NA	NA	single_day
Feather River	2018-2019	39.484	-121.063	11/28/2018	4	4	1	4 day_req	NA	NA	single_day
Feather River	2018-2019	39.485	-121.072	11/28/2018	2	2	1	2 day_req	NA	NA	single_day
Feather River	2018-2019	39.487	-121.066	11/28/2018	0	2	2	0 day_req		0.96	6 daily
Feather River	2018-2019	39.487	-121.066	11/29/2018	4	4	2	4 day_req		0.96	6 daily
Feather River	2018-2019	39.487	-121.051	11/28/2018	1	1	1	1 day_req	NA	NA	single_day
Feather River	2018-2019	39.489	-121.068	11/28/2018	1	1	1	1 day_req	NA	NA	single_day
Feather River	2018-2019	39.494	-121.072	11/28/2018	2	2	1	2 day_req	NA	NA	single_day
Feather River	2018-2019	39.494	-121.054	11/28/2018	2	2	1	2 day_req	NA	NA	single_day
Feather River	2018-2019	39.497	-121.063	11/28/2018	2	2	1	2 day_req	NA	NA	single_day
Feather River	2018-2019	39.499	-121.067	11/28/2018	2	2	1	2 day_req	NA	NA	single_day
Feather River	2018-2019	39.5	-121.063	11/28/2018	1	1	1	1 day_req	NA	NA	single_day
Feather River	2018-2019	39.503	-121.068	11/28/2018	4	4	1	4 day_req	NA	NA	single_day
Feather River	2018-2019	39.508	-121.048	11/28/2018	1	1	1	1 day_req	NA	NA	single_day
Feather River	2018-2019	39.51	-121.055	11/28/2018	2	2	1	2 day_req	NA	NA	single_day
Feather River	2018-2019	39.595	-121.075	12/3/2018	0.9	0.9	1	0.9 day_req	NA	NA	single_day
Feather River	2019-2020	39.096	-121.405	6/30/2020	12	20	1	12 day_req	NA	NA	single_day
Feather River	2019-2020	39.101	-121.391	6/19/2020	6	6	1	6 day_req	NA	NA	single_day
Feather River	2019-2020	39.111	-121.384	1/22/2020	1	1	1	1 day_req	NA	NA	single_day
Feather River	2019-2020	39.396	-121.153	1/7/2020	15	15	5	15 seas_req		0.006	2 seasonal



Feather River	2019-2020	39.396	-121.153	1/13/2020	0	24	5	15 seas_req	0.006	2 seasonal	
Feather River	2019-2020	39.396	-121.153	1/14/2020	11	24	5	26 seas_req	0.006	2 seasonal	
Feather River	2019-2020	39.396	-121.153	1/15/2020	0	24	5	26 seas_req	0.006	2 seasonal	
Feather River	2019-2020	39.396	-121.153	1/16/2020	0	24	5	26 seas_req	0.006	2 seasonal	
Feather River	2019-2020	39.399	-121.134	12/2/2019	1	2	1	1 day_req	NA	NA	single_day
Feather River	2019-2020	39.404	-121.115	2/4/2020	0	15	3	0 day_req	0.59	6 uncertain	
Feather River	2019-2020	39.404	-121.115	2/5/2020	15	15	3	15 day_req	0.59	6 uncertain	
Feather River	2019-2020	39.404	-121.115	2/6/2020	5	5	3	20 day_req	0.59	6 uncertain	
Feather River	2019-2020	39.425	-121.173	12/3/2019	10	22	2	10 day_req	0.92	6 daily	
Feather River	2019-2020	39.425	-121.173	12/4/2019	27	27	2	37 day_req	0.92	6 daily	
Feather River	2019-2020	39.439	-121.18	12/9/2019	2	20	17	2 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	12/11/2019	1	15	17	3 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	12/17/2019	2	10	17	5 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	12/18/2019	5	5	17	10 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	1/8/2020	10	20	17	20 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	1/14/2020	11	20	17	31 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	1/15/2020	3	40	17	34 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	1/16/2020	0	20	17	34 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	2/3/2020	20	20	17	54 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	2/4/2020	11	30	17	65 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	2/5/2020	50	50	17	115 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	2/20/2020	11	19	17	126 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	2/25/2020	0	75	17	126 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	2/26/2020	75	90	17	201 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	2/27/2020	100	200	17	301 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	3/5/2020	0	17	17	301 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.439	-121.18	3/12/2020	17	17	17	318 seas_req	0.058	7 seasonal	
Feather River	2019-2020	39.444	-121.07	12/9/2019	1	10	2	1 seas_req	0	7 seasonal	
Feather River	2019-2020	39.444	-121.07	2/4/2020	7	50	2	8 seas_req	0	7 seasonal	
Feather River	2019-2020	39.444	-121.066	12/2/2019	0	2	3	0 day_req	0.834	1 daily	
Feather River	2019-2020	39.444	-121.066	12/9/2019	0	8	3	0 day_req	0.834	1 daily	
Feather River	2019-2020	39.444	-121.066	2/4/2020	12	8	3	12 day_req	0.834	1 daily	
Feather River	2019-2020	39.472	-121.112	2/3/2020	16	16	4	16 day_req	0.792	6 daily	
Feather River	2019-2020	39.472	-121.112	2/4/2020	15	15	4	31 day_req	0.792	6 daily	
Feather River	2019-2020	39.472	-121.112	2/5/2020	10	10	4	41 day_req	0.792	6 daily	
Feather River	2019-2020	39.472	-121.112	2/6/2020	0	10	4	41 day_req	0.792	6 daily	
Feather River	2019-2020	39.482	-121.082	9/26/2019	24	35	3	24 seas_req	0.016	2 seasonal	
Feather River	2019-2020	39.482	-121.082	9/27/2019	0	50	3	24 seas_req	0.016	2 seasonal	
Feather River	2019-2020	39.482	-121.082	10/16/2019	50	50	3	74 seas_req	0.016	2 seasonal	
Feather River	2019-2020	39.494	-121.053	2/21/2020	65	25	2	65 day_req	0.994	1 daily	

Feather River	2019-2020	39.494	-121.053	2/27/2020	65	65	2	130 day_req		0.994	1 daily
Feather River	2020-2021	39.096	-121.405	5/24/2021	20	20	1	20 day_req	NA	NA	single_day
Feather River	2020-2021	39.097	-121.332	6/2/2021	0	73	1	0 day_req	NA	NA	single_day
Feather River	2020-2021	39.112	-121.332	6/1/2021	0	9	2	0 day_req		0.996	6 daily
Feather River	2020-2021	39.112	-121.332	6/4/2021	9	9	2	9 day_req		0.996	6 daily
Feather River	2020-2021	39.114	-121.381	7/6/2020	2	2	3	2 day_req		0.938	6 daily
Feather River	2020-2021	39.114	-121.381	7/15/2020	97	97	3	99 day_req		0.938	6 daily
Feather River	2020-2021	39.114	-121.381	5/28/2021	63	80	3	162 day_req		0.938	6 daily
Feather River	2020-2021	39.145	-121.391	12/3/2020	7	7	3	7 seas_req		0.002	2 seasonal
Feather River	2020-2021	39.145	-121.391	5/25/2021	0	256	3	7 seas_req		0.002	2 seasonal
Feather River	2020-2021	39.145	-121.391	5/27/2021	0	244	3	7 seas_req		0.002	2 seasonal
Feather River	2020-2021	39.164	-121.403	5/21/2021	0	106	2	0 seas_req		0.296	2 seasonal
Feather River	2020-2021	39.164	-121.403	5/22/2021	105	105	2	105 seas_req		0.296	2 seasonal
Feather River	2020-2021	39.392	-121.15	2/10/2021	4	6	1	4 day_req	NA	NA	single_day
Feather River	2020-2021	39.444	-121.07	1/25/2021	20	20	6	20 seas_req		0.002	7 seasonal
Feather River	2020-2021	39.444	-121.07	1/26/2021	35	100	6	55 seas_req		0.002	7 seasonal
Feather River	2020-2021	39.444	-121.07	3/4/2021	0	50	6	55 seas_req		0.002	7 seasonal
Feather River	2020-2021	39.444	-121.07	3/5/2021	0	50	6	55 seas_req		0.002	7 seasonal
Feather River	2020-2021	39.444	-121.07	3/8/2021	80	100	6	135 seas_req		0.002	7 seasonal
Feather River	2020-2021	39.444	-121.07	3/9/2021	20	65	6	155 seas_req		0.002	7 seasonal
Feather River	2020-2021	39.444	-121.066	3/9/2021	8	8	1	8 day_req	NA	NA	single_day
Feather River	2020-2021	39.467	-121.199	1/25/2021	28	28	1	28 day_req	NA	NA	single_day
Feather River	2020-2021	39.472	-121.112	3/9/2021	30	100	1	30 day_req	NA	NA	single_day
Feather River	2020-2021	39.474	-121.141	11/19/2020	4	10	1	4 day_req	NA	NA	single_day
Feather River	2020-2021	39.477	-121.135	11/19/2020	2	5	1	2 day_req	NA	NA	single_day
Feather River	2020-2021	39.485	-121.129	11/19/2020	4	5	1	4 day_req	NA	NA	single_day
Feather River	2020-2021	39.562	-121.047	3/8/2021	0	19	2	0 day_req		0.998	6 daily
Feather River	2020-2021	39.562	-121.047	3/9/2021	19	19	2	19 day_req		0.998	6 daily
Colusa	2018-2019	39.278	-122.1	4/3/2019	120	120	1	120 day_req	NA	NA	single_day
Colusa	2018-2019	39.286	-122.577	3/22/2019	2	2	1	2 day_req	NA	NA	single_day
Colusa	2018-2019	39.351	-122.659	12/13/2018	0	5	2	0 day_req		0.958	6 daily
Colusa	2018-2019	39.351	-122.659	12/17/2018	5	5	2	5 day_req		0.958	6 daily
Colusa	2018-2019	39.379	-122.549	11/28/2018	0	1	2	0 day_req		0.95	6 daily
Colusa	2018-2019	39.379	-122.549	1/30/2019	1	1	2	1 day_req		0.95	6 daily
Colusa	2018-2019	39.407	-122.192	10/25/2018	100	100	1	100 day_req	NA	NA	single_day
Colusa	2019-2020	39.287	-122.085	11/5/2019	0	89	2	0 seas_req		0.006	7 seasonal
Colusa	2019-2020	39.287	-122.085	11/14/2019	4	89	2	4 seas_req		0.006	7 seasonal
Colusa	2019-2020	39.37	-122.603	2/4/2020	0	122	2	0 day_req		0.97	6 daily
Colusa	2019-2020	39.37	-122.603	2/5/2020	122	122	2	122 day_req		0.97	6 daily
Colusa	2020-2021	39.234	-122.647	1/31/2021	145	144.9	3	145 day_req		0.994	1 daily

Colusa	2020-2021	39.234	-122.647	3/16/2021	145	144.9	3	290 day_req	0.994	1 daily	
Colusa	2020-2021	39.234	-122.647	4/3/2021	90.5	90.5	3	380.5 day_req	0.994	1 daily	
Colusa	2020-2021	39.278	-122.099	3/17/2021	210	254	1	210 day_req	NA	NA	single_day
Mendocino	2018-2019	38.838	-123.173	3/16/2019	0	23	2	0 seas_req	0	7 seasonal	
Mendocino	2018-2019	38.838	-123.173	3/17/2019	0	23	2	0 seas_req	0	7 seasonal	
Mendocino	2018-2019	38.854	-122.952	2/23/2019	0	5	3	0 seas_req	0	7 seasonal	
Mendocino	2018-2019	38.854	-122.952	3/30/2019	0	30	3	0 seas_req	0	7 seasonal	
Mendocino	2018-2019	38.854	-122.952	3/31/2019	0	30	3	0 seas_req	0	7 seasonal	
Mendocino	2018-2019	38.879	-122.912	2/23/2019	0	5	3	0 seas_req	0	7 seasonal	
Mendocino	2018-2019	38.879	-122.912	3/16/2019	5	30	3	5 seas_req	0	7 seasonal	
Mendocino	2018-2019	38.879	-122.912	3/17/2019	0	30	3	5 seas_req	0	7 seasonal	
Mendocino	2018-2019	38.895	-122.969	2/23/2019	0	30	5	0 seas_req	0.066	7 seasonal	
Mendocino	2018-2019	38.895	-122.969	2/24/2019	10	30	5	10 seas_req	0.066	7 seasonal	
Mendocino	2018-2019	38.895	-122.969	3/16/2019	0	30	5	10 seas_req	0.066	7 seasonal	
Mendocino	2018-2019	38.895	-122.969	3/17/2019	30	30	5	40 seas_req	0.066	7 seasonal	
Mendocino	2018-2019	38.895	-122.969	3/18/2019	5	30	5	45 seas_req	0.066	7 seasonal	
Mendocino	2018-2019	38.989	-123.025	3/16/2019	0	40	2	0 seas_req	0	7 seasonal	
Mendocino	2018-2019	38.989	-123.025	3/17/2019	0	40	2	0 seas_req	0	7 seasonal	
Mendocino	2018-2019	39	-123.083	2/7/2019	1	40	7	1 seas_req	0.008	7 seasonal	
Mendocino	2018-2019	39	-123.083	2/20/2019	1	40	7	2 seas_req	0.008	7 seasonal	
Mendocino	2018-2019	39	-123.083	2/21/2019	0	40	7	2 seas_req	0.008	7 seasonal	
Mendocino	2018-2019	39	-123.083	2/25/2019	0	40	7	2 seas_req	0.008	7 seasonal	
Mendocino	2018-2019	39	-123.083	3/20/2019	0	40	7	2 seas_req	0.008	7 seasonal	
Mendocino	2018-2019	39	-123.083	3/21/2019	0	40	7	2 seas_req	0.008	7 seasonal	
Mendocino	2018-2019	39	-123.083	3/22/2019	0	40	7	2 seas_req	0.008	7 seasonal	
Mendocino	2018-2019	39.137	-123.225	1/22/2019	1	1	14	1 seas_req	0.262	2 seasonal	
Mendocino	2018-2019	39.137	-123.225	1/23/2019	1	1	14	2 seas_req	0.262	2 seasonal	
Mendocino	2018-2019	39.137	-123.225	1/29/2019	1	1	14	3 seas_req	0.262	2 seasonal	
Mendocino	2018-2019	39.137	-123.225	1/30/2019	1	1	14	4 seas_req	0.262	2 seasonal	
Mendocino	2018-2019	39.137	-123.225	2/20/2019	1	2	14	5 seas_req	0.262	2 seasonal	
Mendocino	2018-2019	39.137	-123.225	2/21/2019	0	2	14	5 seas_req	0.262	2 seasonal	
Mendocino	2018-2019	39.137	-123.225	3/16/2019	0	3	14	5 seas_req	0.262	2 seasonal	
Mendocino	2018-2019	39.137	-123.225	3/17/2019	0	1	14	5 seas_req	0.262	2 seasonal	
Mendocino	2018-2019	39.137	-123.225	3/18/2019	0	1	14	5 seas_req	0.262	2 seasonal	
Mendocino	2018-2019	39.137	-123.225	6/1/2019	1	1	14	6 seas_req	0.262	2 seasonal	
Mendocino	2018-2019	39.137	-123.225	6/2/2019	1	1	14	7 seas_req	0.262	2 seasonal	
Mendocino	2018-2019	39.137	-123.225	6/3/2019	1	1	14	8 seas_req	0.262	2 seasonal	
Mendocino	2018-2019	39.137	-123.225	6/4/2019	1	1	14	9 seas_req	0.262	2 seasonal	
Mendocino	2018-2019	39.137	-123.225	6/5/2019	1	1	14	10 seas_req	0.262	2 seasonal	
Mendocino	2018-2019	39.14	-123.695	3/9/2019	0	40	2	0 seas_req	0.008	7 seasonal	

Mendocino	2018-2019	39.14	-123.695	3/10/2019	0	40	2	0 seas_req	0.008	7 seasonal
Mendocino	2018-2019	39.161	-123.327	4/25/2019	100	400	4	100 day_req	0.728	6 daily
Mendocino	2018-2019	39.161	-123.327	6/4/2019	12	12	4	112 day_req	0.728	6 daily
Mendocino	2018-2019	39.161	-123.327	6/5/2019	12	12	4	124 day_req	0.728	6 daily
Mendocino	2018-2019	39.161	-123.327	6/6/2019	12	12	4	136 day_req	0.728	6 daily
Mendocino	2018-2019	39.161	-123.26	1/29/2019	0	12	3	0 day_req	0.836	8 daily
Mendocino	2018-2019	39.161	-123.26	1/30/2019	0	12	3	0 day_req	0.836	8 daily
Mendocino	2018-2019	39.161	-123.26	5/6/2019	300	300	3	300 day_req	0.836	8 daily
Mendocino	2018-2019	39.199	-123.506	1/29/2019	0	1	3	0 seas_req	0.012	7 seasonal
Mendocino	2018-2019	39.199	-123.506	1/30/2019	0	1	3	0 seas_req	0.012	7 seasonal
Mendocino	2018-2019	39.199	-123.506	2/7/2019	0	1	3	0 seas_req	0.012	7 seasonal
Mendocino	2018-2019	39.2	-123.744	1/8/2019	40	40	5	40 day_req	0.902	6 daily
Mendocino	2018-2019	39.2	-123.744	1/9/2019	40	40	5	80 day_req	0.902	6 daily
Mendocino	2018-2019	39.2	-123.744	1/10/2019	1	40	5	81 day_req	0.902	6 daily
Mendocino	2018-2019	39.2	-123.744	1/29/2019	1	40	5	82 day_req	0.902	6 daily
Mendocino	2018-2019	39.2	-123.744	1/30/2019	1	40	5	83 day_req	0.902	6 daily
Mendocino	2018-2019	39.255	-123.239	1/15/2019	1	40	3	1 seas_req	0.002	7 seasonal
Mendocino	2018-2019	39.255	-123.239	1/16/2019	1	40	3	2 seas_req	0.002	7 seasonal
Mendocino	2018-2019	39.255	-123.239	1/17/2019	1	40	3	3 seas_req	0.002	7 seasonal
Mendocino	2018-2019	39.283	-123.205	2/23/2019	0	40	2	0 seas_req	0	7 seasonal
Mendocino	2018-2019	39.283	-123.205	2/24/2019	0	40	2	0 seas_req	0	7 seasonal
Mendocino	2018-2019	39.294	-123.302	2/23/2019	0	40	6	0 seas_req	0.002	7 seasonal
Mendocino	2018-2019	39.294	-123.302	2/24/2019	0	40	6	0 seas_req	0.002	7 seasonal
Mendocino	2018-2019	39.294	-123.302	3/3/2019	0	40	6	0 seas_req	0.002	7 seasonal
Mendocino	2018-2019	39.294	-123.302	3/23/2019	0	40	6	0 seas_req	0.002	7 seasonal
Mendocino	2018-2019	39.294	-123.302	3/24/2019	0	40	6	0 seas_req	0.002	7 seasonal
Mendocino	2018-2019	39.294	-123.302	3/25/2019	0	40	6	0 seas_req	0.002	7 seasonal
Mendocino	2018-2019	39.353	-123.317	3/1/2019	0	40	3	0 seas_req	0.002	7 seasonal
Mendocino	2018-2019	39.353	-123.317	3/2/2019	0	40	3	0 seas_req	0.002	7 seasonal
Mendocino	2018-2019	39.353	-123.317	3/8/2019	0	40	3	0 seas_req	0.002	7 seasonal
Mendocino	2018-2019	39.391	-123.758	1/14/2019	0	40	4	0 seas_req	0.074	7 seasonal
Mendocino	2018-2019	39.391	-123.758	1/15/2019	40	40	4	40 seas_req	0.074	7 seasonal
Mendocino	2018-2019	39.391	-123.758	1/16/2019	0	40	4	40 seas_req	0.074	7 seasonal
Mendocino	2018-2019	39.391	-123.758	1/17/2019	0	40	4	40 seas_req	0.074	7 seasonal
Mendocino	2018-2019	39.491	-123.774	3/26/2019	0	40	2	0 seas_req	0.008	7 seasonal
Mendocino	2018-2019	39.491	-123.774	3/27/2019	0	40	2	0 seas_req	0.008	7 seasonal
Mendocino	2018-2019	39.516	-123.746	1/6/2019	1	1	3	1 day_req	1	6 daily
Mendocino	2018-2019	39.516	-123.746	1/7/2019	1	1	3	2 day_req	1	6 daily
Mendocino	2018-2019	39.516	-123.746	1/8/2019	1	1	3	3 day_req	1	6 daily
Mendocino	2018-2019	39.629	-123.371	5/7/2019	150	150	3	150 day_req	0.984	6 daily

Mendocino	2018-2019	39.629	-123.371	5/8/2019	300	300	3	450 day_req	0.984	6 daily
Mendocino	2018-2019	39.629	-123.371	5/9/2019	300	300	3	750 day_req	0.984	6 daily
Mendocino	2018-2019	39.633	-123.185	1/29/2019	15	13	2	15 day_req	0.958	1 daily
Mendocino	2018-2019	39.633	-123.185	1/30/2019	0	13	2	15 day_req	0.958	1 daily
Mendocino	2018-2019	39.642	-123.485	3/23/2019	0	40	2	0 day_req	1	6 daily
Mendocino	2018-2019	39.642	-123.485	3/24/2019	40	40	2	40 day_req	1	6 daily
Mendocino	2018-2019	39.733	-122.921	4/30/2019	25	25	2	25 day_req	1	6 daily
Mendocino	2018-2019	39.733	-122.921	5/1/2019	25	25	2	50 day_req	1	6 daily
Mendocino	2018-2019	39.799	-122.912	4/30/2019	68	68	2	68 day_req	1	6 daily
Mendocino	2018-2019	39.799	-122.912	5/1/2019	68	68	2	136 day_req	1	6 daily
Mendocino	2018-2019	39.87	-122.947	4/29/2019	80	80	1	80 day_req	NA	NA single_day
Mendocino	2019-2020	38.838	-123.173	3/3/2020	31	100	13	31 day_req	0.796	6 daily
Mendocino	2019-2020	38.838	-123.173	3/5/2020	31	100	13	62 day_req	0.796	6 daily
Mendocino	2019-2020	38.838	-123.173	3/6/2020	31	100	13	93 day_req	0.796	6 daily
Mendocino	2019-2020	38.838	-123.173	3/13/2020	31	50	13	124 day_req	0.796	6 daily
Mendocino	2019-2020	38.838	-123.173	3/14/2020	31	50	13	155 day_req	0.796	6 daily
Mendocino	2019-2020	38.838	-123.173	4/17/2020	23	23	13	178 day_req	0.796	6 daily
Mendocino	2019-2020	38.838	-123.173	4/18/2020	24	23	13	202 day_req	0.796	6 daily
Mendocino	2019-2020	38.838	-123.173	4/23/2020	23	23	13	225 day_req	0.796	6 daily
Mendocino	2019-2020	38.838	-123.173	4/24/2020	23	23	13	248 day_req	0.796	6 daily
Mendocino	2019-2020	38.838	-123.173	4/25/2020	23	23	13	271 day_req	0.796	6 daily
Mendocino	2019-2020	38.838	-123.173	4/30/2020	23	23	13	294 day_req	0.796	6 daily
Mendocino	2019-2020	38.838	-123.173	5/1/2020	30	23	13	324 day_req	0.796	6 daily
Mendocino	2019-2020	38.838	-123.173	5/24/2020	0	23	13	324 day_req	0.796	6 daily
Mendocino	2019-2020	38.854	-122.952	1/4/2020	10	10	9	10 day_req	1	6 daily
Mendocino	2019-2020	38.854	-122.952	1/31/2020	10	10	9	20 day_req	1	6 daily
Mendocino	2019-2020	38.854	-122.952	3/14/2020	6	6	9	26 day_req	1	6 daily
Mendocino	2019-2020	38.854	-122.952	3/21/2020	30	30	9	56 day_req	1	6 daily
Mendocino	2019-2020	38.854	-122.952	3/22/2020	30	30	9	86 day_req	1	6 daily
Mendocino	2019-2020	38.854	-122.952	3/28/2020	30	30	9	116 day_req	1	6 daily
Mendocino	2019-2020	38.854	-122.952	3/29/2020	30	30	9	146 day_req	1	6 daily
Mendocino	2019-2020	38.854	-122.952	4/4/2020	6	6	9	152 day_req	1	6 daily
Mendocino	2019-2020	38.854	-122.952	4/5/2020	6	6	9	158 day_req	1	6 daily
Mendocino	2019-2020	38.856	-122.952	1/5/2020	100	100	2	100 day_req	0.984	6 daily
Mendocino	2019-2020	38.856	-122.952	1/7/2020	3	3	2	103 day_req	0.984	6 daily
Mendocino	2019-2020	38.87	-123.109	2/4/2020	10	10	1	10 day_req	NA	NA single_day
Mendocino	2019-2020	38.923	-122.963	4/25/2020	4	23	2	4 seas_req	0	7 seasonal
Mendocino	2019-2020	38.923	-122.963	4/26/2020	4	23	2	8 seas_req	0	7 seasonal
Mendocino	2019-2020	38.934	-122.989	4/25/2020	40	40	2	40 day_req	1	6 daily
Mendocino	2019-2020	38.934	-122.989	4/26/2020	40	40	2	80 day_req	1	6 daily

Mendocino	2019-2020	38.974	-123.026	4/25/2020	23	30	2	23 seas_req	0.226	7 seasonal
Mendocino	2019-2020	38.974	-123.026	4/26/2020	22	30	2	45 seas_req	0.226	7 seasonal
Mendocino	2019-2020	38.989	-123.025	2/16/2020	10	15	4	10 day_req	0.998	6 daily
Mendocino	2019-2020	38.989	-123.025	4/16/2020	40	40	4	50 day_req	0.998	6 daily
Mendocino	2019-2020	38.989	-123.025	4/17/2020	40	40	4	90 day_req	0.998	6 daily
Mendocino	2019-2020	38.989	-123.025	4/18/2020	40	40	4	130 day_req	0.998	6 daily
Mendocino	2019-2020	39	-123.083	12/12/2019	40	40	5	40 day_req	0.98	6 daily
Mendocino	2019-2020	39	-123.083	12/13/2019	40	40	5	80 day_req	0.98	6 daily
Mendocino	2019-2020	39	-123.083	12/20/2019	40	40	5	120 day_req	0.98	6 daily
Mendocino	2019-2020	39	-123.083	3/19/2020	4	40	5	124 day_req	0.98	6 daily
Mendocino	2019-2020	39	-123.083	3/20/2020	4	40	5	128 day_req	0.98	6 daily
Mendocino	2019-2020	39.001	-123.082	4/1/2020	4	40	3	4 day_req	0.96	6 daily
Mendocino	2019-2020	39.001	-123.082	4/2/2020	40	40	3	44 day_req	0.96	6 daily
Mendocino	2019-2020	39.001	-123.082	4/3/2020	40	40	3	84 day_req	0.96	6 daily
Mendocino	2019-2020	39.007	-123.278	5/7/2020	80	23	3	80 day_req	0.992	1 daily
Mendocino	2019-2020	39.007	-123.278	5/9/2020	100	23	3	180 day_req	0.992	1 daily
Mendocino	2019-2020	39.007	-123.278	5/10/2020	23	23	3	203 day_req	0.992	1 daily
Mendocino	2019-2020	39.019	-123.063	3/5/2020	25	25	2	25 day_req	0.998	6 daily
Mendocino	2019-2020	39.019	-123.063	3/12/2020	15	15	2	40 day_req	0.998	6 daily
Mendocino	2019-2020	39.111	-123.162	5/30/2020	0	40	2	0 seas_req	0	7 seasonal
Mendocino	2019-2020	39.111	-123.162	5/31/2020	0	40	2	0 seas_req	0	7 seasonal
Mendocino	2019-2020	39.129	-123.216	1/2/2020	30	30	19	30 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/3/2020	30	30	19	60 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/16/2020	30	30	19	90 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/17/2020	25	25	19	115 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/18/2020	30	30	19	145 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/19/2020	30	30	19	175 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/20/2020	30	30	19	205 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/21/2020	30	30	19	235 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/22/2020	30	30	19	265 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/23/2020	30	30	19	295 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/24/2020	25	25	19	320 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/27/2020	25	25	19	345 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/28/2020	25	25	19	370 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/29/2020	30	30	19	400 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/30/2020	30	30	19	430 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	1/31/2020	30	30	19	460 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	2/3/2020	30	30	19	490 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	2/4/2020	30	30	19	520 day_req	0.998	3 daily
Mendocino	2019-2020	39.129	-123.216	2/5/2020	60	60	19	580 day_req	0.998	3 daily

Mendocino	2019-2020	39.136	-123.156	4/10/2020	40	40	2	40 day_req	1	6 daily
Mendocino	2019-2020	39.136	-123.156	4/11/2020	40	40	2	80 day_req	1	6 daily
Mendocino	2019-2020	39.137	-123.225	3/5/2020	5	6	53	5 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/6/2020	4	6	53	9 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/7/2020	5	5	53	14 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/8/2020	5	5	53	19 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/9/2020	4	4	53	23 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/10/2020	4	4	53	27 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/11/2020	4	4	53	31 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/13/2020	6	6	53	37 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/14/2020	5	5	53	42 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/15/2020	6	6	53	48 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/19/2020	1	1	53	49 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/20/2020	1	1	53	50 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/21/2020	1	1	53	51 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/23/2020	1	1	53	52 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/24/2020	1	1	53	53 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/25/2020	1	1	53	54 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/26/2020	1	1	53	55 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/27/2020	1	1	53	56 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/28/2020	1	1	53	57 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/29/2020	1	1	53	58 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/30/2020	1	2	53	59 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	3/31/2020	1	2	53	60 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/1/2020	1	2	53	61 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/2/2020	2	3	53	63 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/3/2020	1	1	53	64 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/4/2020	1	1	53	65 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/7/2020	1	1	53	66 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/8/2020	1	1	53	67 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/9/2020	1	1	53	68 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/10/2020	1	1	53	69 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/11/2020	1	1	53	70 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/12/2020	1	1	53	71 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/13/2020	1	1	53	72 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/14/2020	1	1	53	73 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/15/2020	1	1	53	74 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/16/2020	1	1	53	75 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/17/2020	1	1	53	76 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/18/2020	1	1	53	77 day_req	1	3 daily

Mendocino	2019-2020	39.137	-123.225	4/20/2020	1	1	53	78 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/21/2020	1	1	53	79 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/22/2020	1	1	53	80 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/24/2020	1	1	53	81 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/25/2020	1	1	53	82 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/26/2020	1	1	53	83 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/27/2020	1	1	53	84 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	4/28/2020	1	1	53	85 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	5/1/2020	1	1	53	86 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	5/2/2020	1	1	53	87 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	5/3/2020	1	1	53	88 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	5/6/2020	1	1	53	89 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	5/7/2020	2	2	53	91 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	5/8/2020	1	1	53	92 day_req	1	3 daily
Mendocino	2019-2020	39.137	-123.225	5/9/2020	1	1	53	93 day_req	1	3 daily
Mendocino	2019-2020	39.14	-123.695	12/14/2019	40	40	3	40 day_req	1	6 daily
Mendocino	2019-2020	39.14	-123.695	12/15/2019	40	40	3	80 day_req	1	6 daily
Mendocino	2019-2020	39.14	-123.695	12/16/2019	40	40	3	120 day_req	1	6 daily
Mendocino	2019-2020	39.15	-123.229	1/13/2020	30	30	1	30 day_req	NA	NA single_day
Mendocino	2019-2020	39.151	-123.25	2/18/2020	10	10	3	10 day_req	1	6 daily
Mendocino	2019-2020	39.151	-123.25	2/19/2020	10	10	3	20 day_req	1	6 daily
Mendocino	2019-2020	39.151	-123.25	2/20/2020	10	10	3	30 day_req	1	6 daily
Mendocino	2019-2020	39.161	-123.327	11/29/2019	12	12	11	12 day_req	1	6 daily
Mendocino	2019-2020	39.161	-123.327	11/30/2019	12	12	11	24 day_req	1	6 daily
Mendocino	2019-2020	39.161	-123.327	12/2/2019	12	12	11	36 day_req	1	6 daily
Mendocino	2019-2020	39.161	-123.327	12/3/2019	12	12	11	48 day_req	1	6 daily
Mendocino	2019-2020	39.161	-123.327	12/4/2019	12	12	11	60 day_req	1	6 daily
Mendocino	2019-2020	39.161	-123.327	12/5/2019	12	12	11	72 day_req	1	6 daily
Mendocino	2019-2020	39.161	-123.327	12/10/2019	12	12	11	84 day_req	1	6 daily
Mendocino	2019-2020	39.161	-123.327	12/13/2019	12	12	11	96 day_req	1	6 daily
Mendocino	2019-2020	39.161	-123.327	12/31/2019	20	20	11	116 day_req	1	6 daily
Mendocino	2019-2020	39.161	-123.327	1/2/2020	20	20	11	136 day_req	1	6 daily
Mendocino	2019-2020	39.161	-123.327	1/6/2020	30	30	11	166 day_req	1	6 daily
Mendocino	2019-2020	39.193	-123.216	2/29/2020	5	10	1	5 day_req	NA	NA single_day
Mendocino	2019-2020	39.206	-123.137	1/7/2020	10	10	5	10 day_req	0.774	8 daily
Mendocino	2019-2020	39.206	-123.137	2/6/2020	3	3	5	13 day_req	0.774	8 daily
Mendocino	2019-2020	39.206	-123.137	2/10/2020	190	450	5	203 day_req	0.774	8 daily
Mendocino	2019-2020	39.206	-123.137	2/11/2020	450	450	5	653 day_req	0.774	8 daily
Mendocino	2019-2020	39.206	-123.137	2/12/2020	200	200	5	853 day_req	0.774	8 daily
Mendocino	2019-2020	39.211	-123.049	2/29/2020	0	12	5	0 seas_req	0	7 seasonal



Mendocino	2019-2020	39.211	-123.049	3/1/2020	0	12	5	0 seas_req	0	7 seasonal	
Mendocino	2019-2020	39.211	-123.049	4/15/2020	0	23	5	0 seas_req	0	7 seasonal	
Mendocino	2019-2020	39.211	-123.049	4/16/2020	0	23	5	0 seas_req	0	7 seasonal	
Mendocino	2019-2020	39.211	-123.049	4/17/2020	0	23	5	0 seas_req	0	7 seasonal	
Mendocino	2019-2020	39.228	-123.092	4/25/2020	5	23	2	5 seas_req	0.006	7 seasonal	
Mendocino	2019-2020	39.228	-123.092	4/26/2020	10	23	2	15 seas_req	0.006	7 seasonal	
Mendocino	2019-2020	39.241	-123.223	4/10/2020	1	40	5	1 day_req	0.974	6 daily	
Mendocino	2019-2020	39.241	-123.223	4/13/2020	40	40	5	41 day_req	0.974	6 daily	
Mendocino	2019-2020	39.241	-123.223	4/14/2020	40	40	5	81 day_req	0.974	6 daily	
Mendocino	2019-2020	39.241	-123.223	4/15/2020	40	40	5	121 day_req	0.974	6 daily	
Mendocino	2019-2020	39.241	-123.223	4/17/2020	40	40	5	161 day_req	0.974	6 daily	
Mendocino	2019-2020	39.255	-123.239	4/14/2020	0	1	1	0 day_req	NA	NA	single_day
Mendocino	2019-2020	39.264	-123.228	3/19/2020	4	40	3	4 seas_req	0.224	7 seasonal	
Mendocino	2019-2020	39.264	-123.228	3/20/2020	4	40	3	8 seas_req	0.224	7 seasonal	
Mendocino	2019-2020	39.264	-123.228	3/21/2020	40	40	3	48 seas_req	0.224	7 seasonal	
Mendocino	2019-2020	39.278	-123.203	3/21/2020	4	40	2	4 day_req	1	6 daily	
Mendocino	2019-2020	39.278	-123.203	3/22/2020	40	40	2	44 day_req	1	6 daily	
Mendocino	2019-2020	39.293	-123.302	3/5/2020	4	4	2	4 day_req	1	6 daily	
Mendocino	2019-2020	39.293	-123.302	3/6/2020	4	4	2	8 day_req	1	6 daily	
Mendocino	2019-2020	39.294	-123.302	4/4/2020	1	1	3	1 day_req	1	6 daily	
Mendocino	2019-2020	39.294	-123.302	4/5/2020	1	1	3	2 day_req	1	6 daily	
Mendocino	2019-2020	39.294	-123.302	4/6/2020	1	1	3	3 day_req	1	6 daily	
Mendocino	2019-2020	39.3	-123.776	12/17/2019	40	40	3	40 day_req	1	6 daily	
Mendocino	2019-2020	39.3	-123.776	12/18/2019	40	40	3	80 day_req	1	6 daily	
Mendocino	2019-2020	39.3	-123.776	12/19/2019	40	40	3	120 day_req	1	6 daily	
Mendocino	2019-2020	39.334	-123.238	3/14/2020	1	1	2	1 day_req	1	6 daily	
Mendocino	2019-2020	39.334	-123.238	3/15/2020	1	1	2	2 day_req	1	6 daily	
Mendocino	2019-2020	39.395	-123.19	4/11/2020	20	20	3	20 seas_req	0.112	2 seasonal	
Mendocino	2019-2020	39.395	-123.19	4/12/2020	10	20	3	30 seas_req	0.112	2 seasonal	
Mendocino	2019-2020	39.395	-123.19	4/18/2020	10	23	3	40 seas_req	0.112	2 seasonal	
Mendocino	2019-2020	39.436	-123.781	3/7/2020	3	3	8	3 day_req	1	6 daily	
Mendocino	2019-2020	39.436	-123.781	3/8/2020	3	3	8	6 day_req	1	6 daily	
Mendocino	2019-2020	39.436	-123.781	3/29/2020	40	40	8	46 day_req	1	6 daily	
Mendocino	2019-2020	39.436	-123.781	3/30/2020	40	40	8	86 day_req	1	6 daily	
Mendocino	2019-2020	39.436	-123.781	3/31/2020	6	6	8	92 day_req	1	6 daily	
Mendocino	2019-2020	39.436	-123.781	4/1/2020	6	6	8	98 day_req	1	6 daily	
Mendocino	2019-2020	39.436	-123.781	4/2/2020	6	6	8	104 day_req	1	6 daily	
Mendocino	2019-2020	39.436	-123.781	4/3/2020	6	6	8	110 day_req	1	6 daily	
Mendocino	2019-2020	39.453	-123.787	4/28/2020	40	40	18	40 day_req	0.832	6 daily	
Mendocino	2019-2020	39.453	-123.787	4/29/2020	40	40	18	80 day_req	0.832	6 daily	

Mendocino	2019-2020	39.453	-123.787	4/30/2020	1	40	18	81 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	5/1/2020	40	40	18	121 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	5/2/2020	40	40	18	161 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	5/3/2020	40	40	18	201 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	5/9/2020	40	40	18	241 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	5/10/2020	40	40	18	281 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	5/11/2020	40	40	18	321 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	5/22/2020	0	40	18	321 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	5/23/2020	0	40	18	321 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	5/24/2020	0	40	18	321 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	5/30/2020	0	40	18	321 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	5/31/2020	0	40	18	321 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	6/1/2020	0	24	18	321 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	6/2/2020	0	24	18	321 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	6/9/2020	0	40	18	321 day_req	0.832	6 daily
Mendocino	2019-2020	39.453	-123.787	6/10/2020	0	40	18	321 day_req	0.832	6 daily
Mendocino	2019-2020	39.491	-123.774	5/8/2020	40	40	3	40 day_req	1	6 daily
Mendocino	2019-2020	39.491	-123.774	5/9/2020	40	40	3	80 day_req	1	6 daily
Mendocino	2019-2020	39.491	-123.774	5/10/2020	40	40	3	120 day_req	1	6 daily
Mendocino	2019-2020	39.516	-123.754	12/21/2019	40	40	6	40 day_req	1	6 daily
Mendocino	2019-2020	39.516	-123.754	12/22/2019	40	40	6	80 day_req	1	6 daily
Mendocino	2019-2020	39.516	-123.754	12/23/2019	40	80	6	120 day_req	1	6 daily
Mendocino	2019-2020	39.516	-123.754	12/31/2019	40	40	6	160 day_req	1	6 daily
Mendocino	2019-2020	39.516	-123.754	1/1/2020	40	40	6	200 day_req	1	6 daily
Mendocino	2019-2020	39.516	-123.754	1/2/2020	40	40	6	240 day_req	1	6 daily
Mendocino	2019-2020	39.622	-123.464	2/21/2020	51	100	1	51 day_req	NA	NA single_day
Mendocino	2019-2020	39.63	-123.185	3/27/2020	40	40	2	40 day_req	1	6 daily
Mendocino	2019-2020	39.63	-123.185	3/28/2020	40	40	2	80 day_req	1	6 daily
Mendocino	2019-2020	39.633	-123.185	12/16/2019	0	13	1	0 day_req	NA	NA single_day
Mendocino	2019-2020	39.771	-123.189	2/21/2020	4	4	5	4 seas_req	0.02	7 seasonal
Mendocino	2019-2020	39.771	-123.189	3/24/2020	0	4	5	4 seas_req	0.02	7 seasonal
Mendocino	2019-2020	39.771	-123.189	4/16/2020	11	40	5	15 seas_req	0.02	7 seasonal
Mendocino	2019-2020	39.771	-123.189	4/17/2020	11	40	5	26 seas_req	0.02	7 seasonal
Mendocino	2019-2020	39.771	-123.189	4/18/2020	13	40	5	39 seas_req	0.02	7 seasonal
Mendocino	2019-2020	39.779	-123.191	2/12/2020	6	99	10	6 seas_req	0.012	2 seasonal
Mendocino	2019-2020	39.779	-123.191	2/13/2020	0	99	10	6 seas_req	0.012	2 seasonal
Mendocino	2019-2020	39.779	-123.191	2/14/2020	0	99	10	6 seas_req	0.012	2 seasonal
Mendocino	2019-2020	39.779	-123.191	2/19/2020	2	99	10	8 seas_req	0.012	2 seasonal
Mendocino	2019-2020	39.779	-123.191	2/20/2020	2	99	10	10 seas_req	0.012	2 seasonal
Mendocino	2019-2020	39.779	-123.191	2/21/2020	2	132	10	12 seas_req	0.012	2 seasonal

Mendocino	2019-2020	39.779	-123.191	2/22/2020	3	33	10	15 seas_req	0.012	2 seasonal
Mendocino	2019-2020	39.779	-123.191	2/23/2020	3	33	10	18 seas_req	0.012	2 seasonal
Mendocino	2019-2020	39.779	-123.191	2/27/2020	3	33	10	21 seas_req	0.012	2 seasonal
Mendocino	2019-2020	39.779	-123.191	2/28/2020	3	33	10	24 seas_req	0.012	2 seasonal
Mendocino	2019-2020	39.796	-123.29	2/29/2020	4	4	2	4 day_req	1	6 daily
Mendocino	2019-2020	39.796	-123.29	3/1/2020	4	4	2	8 day_req	1	6 daily
Mendocino	2019-2020	39.923	-123.926	12/21/2019	40	40	3	40 day_req	1	6 daily
Mendocino	2019-2020	39.923	-123.926	12/22/2019	40	40	3	80 day_req	1	6 daily
Mendocino	2019-2020	39.923	-123.926	12/23/2019	40	40	3	120 day_req	1	6 daily
Mendocino	2020-2021	38.838	-123.173	2/23/2021	4	4	8	4 day_req	1	6 daily
Mendocino	2020-2021	38.838	-123.173	3/24/2021	45	45	8	49 day_req	1	6 daily
Mendocino	2020-2021	38.838	-123.173	3/25/2021	45	45	8	94 day_req	1	6 daily
Mendocino	2020-2021	38.838	-123.173	3/27/2021	50	50	8	144 day_req	1	6 daily
Mendocino	2020-2021	38.838	-123.173	3/28/2021	55	55	8	199 day_req	1	6 daily
Mendocino	2020-2021	38.838	-123.173	4/9/2021	40	40	8	239 day_req	1	6 daily
Mendocino	2020-2021	38.838	-123.173	4/10/2021	35	35	8	274 day_req	1	6 daily
Mendocino	2020-2021	38.838	-123.173	4/24/2021	50	50	8	324 day_req	1	6 daily
Mendocino	2020-2021	38.854	-122.952	2/6/2021	3	3	10	3 day_req	1	6 daily
Mendocino	2020-2021	38.854	-122.952	2/7/2021	3	3	10	6 day_req	1	6 daily
Mendocino	2020-2021	38.854	-122.952	2/8/2021	3	3	10	9 day_req	1	6 daily
Mendocino	2020-2021	38.854	-122.952	2/20/2021	5	5	10	14 day_req	1	6 daily
Mendocino	2020-2021	38.854	-122.952	2/27/2021	5	5	10	19 day_req	1	6 daily
Mendocino	2020-2021	38.854	-122.952	3/6/2021	5	5	10	24 day_req	1	6 daily
Mendocino	2020-2021	38.854	-122.952	3/13/2021	8	8	10	32 day_req	1	6 daily
Mendocino	2020-2021	38.854	-122.952	3/14/2021	7	7	10	39 day_req	1	6 daily
Mendocino	2020-2021	38.854	-122.952	4/3/2021	1	1	10	40 day_req	1	6 daily
Mendocino	2020-2021	38.854	-122.952	4/4/2021	1	1	10	41 day_req	1	6 daily
Mendocino	2020-2021	38.875	-123.21	3/24/2021	6	6	6	6 day_req	1	6 daily
Mendocino	2020-2021	38.875	-123.21	3/25/2021	6	6	6	12 day_req	1	6 daily
Mendocino	2020-2021	38.875	-123.21	3/27/2021	5	5	6	17 day_req	1	6 daily
Mendocino	2020-2021	38.875	-123.21	4/9/2021	7	7	6	24 day_req	1	6 daily
Mendocino	2020-2021	38.875	-123.21	4/10/2021	8	8	6	32 day_req	1	6 daily
Mendocino	2020-2021	38.875	-123.21	4/25/2021	8	8	6	40 day_req	1	6 daily
Mendocino	2020-2021	38.879	-122.912	1/16/2021	10	10	9	10 seas_req	0	2 seasonal
Mendocino	2020-2021	38.879	-122.912	1/17/2021	10	10	9	20 seas_req	0	2 seasonal
Mendocino	2020-2021	38.879	-122.912	2/6/2021	10	10	9	30 seas_req	0	2 seasonal
Mendocino	2020-2021	38.879	-122.912	2/7/2021	10	10	9	40 seas_req	0	2 seasonal
Mendocino	2020-2021	38.879	-122.912	2/8/2021	10	10	9	50 seas_req	0	2 seasonal
Mendocino	2020-2021	38.879	-122.912	2/27/2021	5	50	9	55 seas_req	0	2 seasonal
Mendocino	2020-2021	38.879	-122.912	3/6/2021	5	50	9	60 seas_req	0	2 seasonal

Mendocino	2020-2021	38.879	-122.912	3/13/2021	5	25	9	65 seas_req	0	2 seasonal
Mendocino	2020-2021	38.879	-122.912	3/14/2021	5	25	9	70 seas_req	0	2 seasonal
Mendocino	2020-2021	38.88	-123.242	11/11/2020	0	500	9	0 day_req	0.786	8 daily
Mendocino	2020-2021	38.88	-123.242	12/9/2020	0	200	9	0 day_req	0.786	8 daily
Mendocino	2020-2021	38.88	-123.242	12/10/2020	0	200	9	0 day_req	0.786	8 daily
Mendocino	2020-2021	38.88	-123.242	3/3/2021	500	100	9	500 day_req	0.786	8 daily
Mendocino	2020-2021	38.88	-123.242	3/4/2021	50	100	9	550 day_req	0.786	8 daily
Mendocino	2020-2021	38.88	-123.242	3/5/2021	50	100	9	600 day_req	0.786	8 daily
Mendocino	2020-2021	38.88	-123.242	3/30/2021	50	200	9	650 day_req	0.786	8 daily
Mendocino	2020-2021	38.88	-123.242	3/31/2021	100	200	9	750 day_req	0.786	8 daily
Mendocino	2020-2021	38.88	-123.242	4/1/2021	200	200	9	950 day_req	0.786	8 daily
Mendocino	2020-2021	38.895	-122.969	1/16/2021	50	50	30	50 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	1/17/2021	50	50	30	100 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	1/21/2021	20	20	30	120 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	1/22/2021	10	10	30	130 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	1/23/2021	20	20	30	150 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	2/5/2021	10	10	30	160 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	2/6/2021	20	20	30	180 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	2/7/2021	20	20	30	200 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	2/9/2021	1	1	30	201 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	2/10/2021	1	1	30	202 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	2/11/2021	1	1	30	203 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	2/20/2021	10	30	30	213 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	2/24/2021	20	20	30	233 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	2/25/2021	20	20	30	253 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	2/26/2021	10	10	30	263 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	2/27/2021	30	30	30	293 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	2/28/2021	10	10	30	303 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	3/1/2021	10	10	30	313 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	3/2/2021	20	20	30	333 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	3/3/2021	20	20	30	353 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	3/4/2021	10	10	30	363 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	3/27/2021	20	20	30	383 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	3/28/2021	10	15	30	393 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	3/29/2021	15	15	30	408 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	4/2/2021	20	20	30	428 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	4/3/2021	5	20	30	433 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	4/4/2021	10	10	30	443 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	4/9/2021	20	20	30	463 day_req	0.974	3 daily
Mendocino	2020-2021	38.895	-122.969	4/10/2021	20	20	30	483 day_req	0.974	3 daily

Mendocino	2020-2021	38.895	-122.969	4/11/2021	10	10	30	493 day_req	0.974	3 daily
Mendocino	2020-2021	38.897	-123.017	3/27/2021	5	60	6	5 seas_req	0.004	7 seasonal
Mendocino	2020-2021	38.897	-123.017	4/10/2021	10	100	6	15 seas_req	0.004	7 seasonal
Mendocino	2020-2021	38.897	-123.017	4/18/2021	5	50	6	20 seas_req	0.004	7 seasonal
Mendocino	2020-2021	38.897	-123.017	4/23/2021	5	30	6	25 seas_req	0.004	7 seasonal
Mendocino	2020-2021	38.897	-123.017	4/24/2021	10	20	6	35 seas_req	0.004	7 seasonal
Mendocino	2020-2021	38.897	-123.017	5/4/2021	10	70	6	45 seas_req	0.004	7 seasonal
Mendocino	2020-2021	38.974	-123.026	4/3/2021	10	20	2	10 seas_req	0.112	7 seasonal
Mendocino	2020-2021	38.974	-123.026	4/9/2021	15	20	2	25 seas_req	0.112	7 seasonal
Mendocino	2020-2021	38.99	-123.013	2/25/2021	3	3	7	3 day_req	1	6 daily
Mendocino	2020-2021	38.99	-123.013	3/4/2021	6	6	7	9 day_req	1	6 daily
Mendocino	2020-2021	38.99	-123.013	3/5/2021	4	4	7	13 day_req	1	6 daily
Mendocino	2020-2021	38.99	-123.013	3/24/2021	1	1	7	14 day_req	1	6 daily
Mendocino	2020-2021	38.99	-123.013	3/25/2021	1	1	7	15 day_req	1	6 daily
Mendocino	2020-2021	38.99	-123.013	3/31/2021	1	1	7	16 day_req	1	6 daily
Mendocino	2020-2021	38.99	-123.013	4/1/2021	1	1	7	17 day_req	1	6 daily
Mendocino	2020-2021	39.001	-123.086	12/4/2020	60	60	4	60 seas_req	0.012	2 seasonal
Mendocino	2020-2021	39.001	-123.086	12/5/2020	20	60	4	80 seas_req	0.012	2 seasonal
Mendocino	2020-2021	39.001	-123.086	12/11/2020	0	80	4	80 seas_req	0.012	2 seasonal
Mendocino	2020-2021	39.001	-123.086	12/12/2020	0	80	4	80 seas_req	0.012	2 seasonal
Mendocino	2020-2021	39.007	-123.278	4/15/2021	20	20	5	20 day_req	0.968	6 daily
Mendocino	2020-2021	39.007	-123.278	4/16/2021	20	20	5	40 day_req	0.968	6 daily
Mendocino	2020-2021	39.007	-123.278	4/17/2021	20	10	5	60 day_req	0.968	6 daily
Mendocino	2020-2021	39.007	-123.278	4/19/2021	20	50	5	80 day_req	0.968	6 daily
Mendocino	2020-2021	39.007	-123.278	4/20/2021	20	50	5	100 day_req	0.968	6 daily
Mendocino	2020-2021	39.019	-123.063	3/24/2021	1	1	4	1 day_req	0.998	6 daily
Mendocino	2020-2021	39.019	-123.063	3/25/2021	1	1	4	2 day_req	0.998	6 daily
Mendocino	2020-2021	39.019	-123.063	3/31/2021	2	2	4	4 day_req	0.998	6 daily
Mendocino	2020-2021	39.019	-123.063	4/1/2021	2	2	4	6 day_req	0.998	6 daily
Mendocino	2020-2021	39.024	-123.312	1/9/2021	1	1	3	1 day_req	1	6 daily
Mendocino	2020-2021	39.024	-123.312	1/10/2021	1	1	3	2 day_req	1	6 daily
Mendocino	2020-2021	39.024	-123.312	1/11/2021	1	1	3	3 day_req	1	6 daily
Mendocino	2020-2021	39.032	-123.349	3/4/2021	2	2	1	2 day_req	NA	NA single_day
Mendocino	2020-2021	39.034	-123.376	4/16/2021	3	3	2	3 day_req	1	6 daily
Mendocino	2020-2021	39.034	-123.376	4/27/2021	1	1	2	4 day_req	1	6 daily
Mendocino	2020-2021	39.053	-123.377	2/27/2021	20	20	1	20 day_req	NA	NA single_day
Mendocino	2020-2021	39.069	-123.369	2/2/2021	2	2	3	2 day_req	1	6 daily
Mendocino	2020-2021	39.069	-123.369	2/3/2021	1	1	3	3 day_req	1	6 daily
Mendocino	2020-2021	39.069	-123.369	2/4/2021	1	1	3	4 day_req	1	6 daily
Mendocino	2020-2021	39.089	-123.478	11/11/2020	0	1	1	0 day_req	NA	NA single_day

Mendocino	2020-2021	39.121	-123.666	2/16/2021	10	10	7	10 day_req		1	6 daily
Mendocino	2020-2021	39.121	-123.666	2/17/2021	10	10	7	20 day_req		1	6 daily
Mendocino	2020-2021	39.121	-123.666	2/22/2021	10	10	7	30 day_req		1	6 daily
Mendocino	2020-2021	39.121	-123.666	2/23/2021	11	11	7	41 day_req		1	6 daily
Mendocino	2020-2021	39.121	-123.666	2/24/2021	18	18	7	59 day_req		1	6 daily
Mendocino	2020-2021	39.121	-123.666	2/25/2021	6	6	7	65 day_req		1	6 daily
Mendocino	2020-2021	39.121	-123.666	3/8/2021	12	12	7	77 day_req		1	6 daily
Mendocino	2020-2021	39.134	-123.718	12/15/2020	4	4	3	4 day_req		1	6 daily
Mendocino	2020-2021	39.134	-123.718	12/16/2020	3	3	3	7 day_req		1	6 daily
Mendocino	2020-2021	39.134	-123.718	12/17/2020	3	3	3	10 day_req		1	6 daily
Mendocino	2020-2021	39.136	-123.63	2/19/2021	10	10	1	10 day_req	NA	NA	single_day
Mendocino	2020-2021	39.136	-123.156	12/31/2020	1	1	4	1 day_req		1	6 daily
Mendocino	2020-2021	39.136	-123.156	4/3/2021	1	1	4	2 day_req		1	6 daily
Mendocino	2020-2021	39.136	-123.156	4/4/2021	1	1	4	3 day_req		1	6 daily
Mendocino	2020-2021	39.136	-123.156	4/5/2021	1	1	4	4 day_req		1	6 daily
Mendocino	2020-2021	39.137	-123.225	11/17/2020	0	1	109	0 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	11/18/2020	0	1	109	0 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	11/19/2020	0	1	109	0 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	11/23/2020	2	2	109	2 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	11/24/2020	1	1	109	3 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	11/25/2020	1	1	109	4 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	11/27/2020	1	1	109	5 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	11/28/2020	1	1	109	6 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	11/30/2020	1	1	109	7 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/1/2020	1	1	109	8 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/2/2020	1	1	109	9 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/3/2020	1	1	109	10 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/4/2020	1	1	109	11 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/5/2020	1	1	109	12 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/6/2020	1	1	109	13 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/7/2020	1	1	109	14 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/8/2020	1	1	109	15 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/9/2020	1	1	109	16 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/10/2020	1	1	109	17 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/11/2020	2	2	109	19 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/12/2020	2	2	109	21 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/13/2020	2	2	109	23 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/15/2020	2	2	109	25 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/16/2020	2	2	109	27 day_req		1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/17/2020	2	2	109	29 day_req		1	3 daily

Mendocino	2020-2021	39.137	-123.225	12/22/2020	2	2	109	31 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/23/2020	2	2	109	33 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/24/2020	2	2	109	35 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/26/2020	2	2	109	37 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	12/31/2020	2	2	109	39 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/2/2021	1	1	109	40 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/5/2021	3	3	109	43 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/6/2021	3	3	109	46 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/7/2021	2	2	109	48 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/11/2021	1	1	109	49 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/12/2021	1	1	109	50 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/13/2021	1	1	109	51 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/14/2021	6	6	109	57 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/15/2021	2	2	109	59 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/16/2021	2	2	109	61 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/17/2021	2	2	109	63 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/18/2021	4	4	109	67 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/19/2021	2	2	109	69 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/20/2021	3	3	109	72 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/21/2021	3	3	109	75 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	1/22/2021	3	3	109	78 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/6/2021	2	2	109	80 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/7/2021	2	2	109	82 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/8/2021	2	2	109	84 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/9/2021	3	3	109	87 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/10/2021	3	3	109	90 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/11/2021	3	3	109	93 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/16/2021	3	3	109	96 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/17/2021	5	5	109	101 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/18/2021	3	3	109	104 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/19/2021	4	4	109	108 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/20/2021	1	1	109	109 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/21/2021	4	5	109	113 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/22/2021	3	3	109	116 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/23/2021	3	3	109	119 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/24/2021	7	7	109	126 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/25/2021	7	7	109	133 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	2/26/2021	7	7	109	140 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/1/2021	3	3	109	143 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/2/2021	3	3	109	146 day_req	1	3 daily

Mendocino	2020-2021	39.137	-123.225	3/3/2021	3	3	109	149 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/4/2021	4	4	109	153 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/5/2021	3	3	109	156 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/6/2021	2	2	109	158 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/11/2021	3	3	109	161 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/12/2021	3	3	109	164 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/13/2021	6	6	109	170 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/14/2021	2	2	109	172 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/15/2021	2	2	109	174 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/16/2021	2	2	109	176 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/17/2021	1	1	109	177 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/18/2021	1	1	109	178 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/22/2021	3	3	109	181 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/23/2021	3	3	109	184 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	3/24/2021	4	4	109	188 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/1/2021	2	2	109	190 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/2/2021	2	2	109	192 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/3/2021	1	1	109	193 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/5/2021	3	3	109	196 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/6/2021	3	3	109	199 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/7/2021	3	3	109	202 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/8/2021	3	3	109	205 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/9/2021	3	3	109	208 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/10/2021	3	3	109	211 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/12/2021	2	2	109	213 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/13/2021	2	2	109	215 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/14/2021	2	2	109	217 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/15/2021	2	2	109	219 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/16/2021	1	1	109	220 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/17/2021	1	1	109	221 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/20/2021	1	2	109	222 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/21/2021	2	2	109	224 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/22/2021	1	1	109	225 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/26/2021	5	5	109	230 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/27/2021	6	6	109	236 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/28/2021	6	6	109	242 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	4/30/2021	3	3	109	245 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	5/1/2021	3	3	109	248 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	5/2/2021	3	3	109	251 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	5/4/2021	2	2	109	253 day_req	1	3 daily



Mendocino	2020-2021	39.137	-123.225	5/5/2021	1	1	109	254 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	5/6/2021	3	3	109	257 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	5/7/2021	2	2	109	259 day_req	1	3 daily
Mendocino	2020-2021	39.137	-123.225	5/8/2021	2	2	109	261 day_req	1	3 daily
Mendocino	2020-2021	39.14	-123.695	1/12/2021	2	2	5	2 day_req	1	6 daily
Mendocino	2020-2021	39.14	-123.695	1/13/2021	2	2	5	4 day_req	1	6 daily
Mendocino	2020-2021	39.14	-123.695	3/10/2021	2	2	5	6 day_req	1	6 daily
Mendocino	2020-2021	39.14	-123.695	3/11/2021	2	2	5	8 day_req	1	6 daily
Mendocino	2020-2021	39.14	-123.695	3/12/2021	2	2	5	10 day_req	1	6 daily
Mendocino	2020-2021	39.148	-123.253	11/11/2020	0	600	3	0 seas_req	0.456	8 uncertain
Mendocino	2020-2021	39.148	-123.253	11/30/2020	99	500	3	99 seas_req	0.456	8 uncertain
Mendocino	2020-2021	39.148	-123.253	12/4/2020	0	120	3	99 seas_req	0.456	8 uncertain
Mendocino	2020-2021	39.149	-123.665	1/11/2021	2	4	3	2 day_req	0.952	6 daily
Mendocino	2020-2021	39.149	-123.665	1/12/2021	1	1	3	3 day_req	0.952	6 daily
Mendocino	2020-2021	39.149	-123.665	1/13/2021	1	1	3	4 day_req	0.952	6 daily
Mendocino	2020-2021	39.15	-123.181	1/21/2021	2	2	2	2 day_req	1	6 daily
Mendocino	2020-2021	39.15	-123.181	1/22/2021	2	2	2	4 day_req	1	6 daily
Mendocino	2020-2021	39.161	-123.327	4/12/2021	30	100	3	30 seas_req	0.038	7 seasonal
Mendocino	2020-2021	39.161	-123.327	4/13/2021	30	50	3	60 seas_req	0.038	7 seasonal
Mendocino	2020-2021	39.161	-123.327	4/14/2021	20	50	3	80 seas_req	0.038	7 seasonal
Mendocino	2020-2021	39.162	-123.11	4/17/2021	10	20	9	10 day_req	0.974	6 daily
Mendocino	2020-2021	39.162	-123.11	4/18/2021	20	30	9	30 day_req	0.974	6 daily
Mendocino	2020-2021	39.162	-123.11	4/19/2021	10	10	9	40 day_req	0.974	6 daily
Mendocino	2020-2021	39.162	-123.11	4/20/2021	15	15	9	55 day_req	0.974	6 daily
Mendocino	2020-2021	39.162	-123.11	4/22/2021	10	10	9	65 day_req	0.974	6 daily
Mendocino	2020-2021	39.162	-123.11	4/23/2021	10	10	9	75 day_req	0.974	6 daily
Mendocino	2020-2021	39.162	-123.11	4/24/2021	5	5	9	80 day_req	0.974	6 daily
Mendocino	2020-2021	39.162	-123.11	5/1/2021	25	25	9	105 day_req	0.974	6 daily
Mendocino	2020-2021	39.162	-123.11	5/2/2021	25	25	9	130 day_req	0.974	6 daily
Mendocino	2020-2021	39.176	-123.202	3/16/2021	10	10	7	10 day_req	1	6 daily
Mendocino	2020-2021	39.176	-123.202	3/17/2021	10	10	7	20 day_req	1	6 daily
Mendocino	2020-2021	39.176	-123.202	3/18/2021	10	10	7	30 day_req	1	6 daily
Mendocino	2020-2021	39.176	-123.202	3/19/2021	10	10	7	40 day_req	1	6 daily
Mendocino	2020-2021	39.176	-123.202	3/22/2021	10	10	7	50 day_req	1	6 daily
Mendocino	2020-2021	39.176	-123.202	3/23/2021	10	10	7	60 day_req	1	6 daily
Mendocino	2020-2021	39.176	-123.202	3/24/2021	10	10	7	70 day_req	1	6 daily
Mendocino	2020-2021	39.176	-123.024	4/17/2021	2	2	2	2 seas_req	0.142	2 seasonal
Mendocino	2020-2021	39.176	-123.024	4/18/2021	1	3	2	3 seas_req	0.142	2 seasonal
Mendocino	2020-2021	39.177	-123.659	1/25/2021	5	5	1	5 day_req	NA	single_day
Mendocino	2020-2021	39.178	-123.206	3/22/2021	5	5	3	5 day_req	1	6 daily

Mendocino	2020-2021	39.178	-123.206	3/23/2021	5	5	3	10 day_req		1	6 daily
Mendocino	2020-2021	39.178	-123.206	3/24/2021	5	5	3	15 day_req		1	6 daily
Mendocino	2020-2021	39.18	-123.208	4/1/2021	5	5	1	5 day_req	NA	NA	single_day
Mendocino	2020-2021	39.211	-123.049	2/26/2021	1	1	8	1 seas_req		0.41	2 uncertain
Mendocino	2020-2021	39.211	-123.049	2/27/2021	1	1	8	2 seas_req		0.41	2 uncertain
Mendocino	2020-2021	39.211	-123.049	3/6/2021	1	1	8	3 seas_req		0.41	2 uncertain
Mendocino	2020-2021	39.211	-123.049	3/24/2021	0	2	8	3 seas_req		0.41	2 uncertain
Mendocino	2020-2021	39.211	-123.049	3/27/2021	0	1	8	3 seas_req		0.41	2 uncertain
Mendocino	2020-2021	39.211	-123.049	3/28/2021	1	1	8	4 seas_req		0.41	2 uncertain
Mendocino	2020-2021	39.211	-123.049	4/3/2021	0	1	8	4 seas_req		0.41	2 uncertain
Mendocino	2020-2021	39.211	-123.049	4/4/2021	0	1	8	4 seas_req		0.41	2 uncertain
Mendocino	2020-2021	39.228	-123.092	2/25/2021	7	7	4	7 day_req		1	6 daily
Mendocino	2020-2021	39.228	-123.092	2/26/2021	7	7	4	14 day_req		1	6 daily
Mendocino	2020-2021	39.228	-123.092	2/27/2021	6	6	4	20 day_req		1	6 daily
Mendocino	2020-2021	39.228	-123.092	2/28/2021	10	10	4	30 day_req		1	6 daily
Mendocino	2020-2021	39.241	-123.223	3/31/2021	3	3	5	3 day_req		1	6 daily
Mendocino	2020-2021	39.241	-123.223	4/1/2021	3	3	5	6 day_req		1	6 daily
Mendocino	2020-2021	39.241	-123.223	4/2/2021	1	1	5	7 day_req		1	6 daily
Mendocino	2020-2021	39.241	-123.223	4/6/2021	2	2	5	9 day_req		1	6 daily
Mendocino	2020-2021	39.241	-123.223	4/8/2021	1	1	5	10 day_req		1	6 daily
Mendocino	2020-2021	39.272	-123.602	12/15/2020	10	10	3	10 day_req		1	6 daily
Mendocino	2020-2021	39.272	-123.602	12/16/2020	10	10	3	20 day_req		1	6 daily
Mendocino	2020-2021	39.272	-123.602	12/17/2020	10	10	3	30 day_req		1	6 daily
Mendocino	2020-2021	39.273	-123.789	3/2/2021	1	1	2	1 day_req		0.998	6 daily
Mendocino	2020-2021	39.273	-123.789	3/3/2021	1	1	2	2 day_req		0.998	6 daily
Mendocino	2020-2021	39.273	-123.135	1/23/2021	10	10	2	10 day_req		1	6 daily
Mendocino	2020-2021	39.273	-123.135	1/24/2021	10	10	2	20 day_req		1	6 daily
Mendocino	2020-2021	39.273	-123.1	1/22/2021	5	5	1	5 day_req	NA	NA	single_day
Mendocino	2020-2021	39.274	-123.102	2/26/2021	15	35	3	15 seas_req		0.008	7 seasonal
Mendocino	2020-2021	39.274	-123.102	2/27/2021	20	35	3	35 seas_req		0.008	7 seasonal
Mendocino	2020-2021	39.274	-123.102	3/4/2021	20	40	3	55 seas_req		0.008	7 seasonal
Mendocino	2020-2021	39.287	-123.099	1/21/2021	1	1	1	1 day_req	NA	NA	single_day
Mendocino	2020-2021	39.293	-123.302	2/10/2021	1	1	2	1 day_req		1	6 daily
Mendocino	2020-2021	39.293	-123.302	2/11/2021	1	1	2	2 day_req		1	6 daily
Mendocino	2020-2021	39.294	-123.302	2/12/2021	1	1	1	1 day_req	NA	NA	single_day
Mendocino	2020-2021	39.3	-123.536	1/25/2021	5	5	1	5 day_req	NA	NA	single_day
Mendocino	2020-2021	39.313	-123.492	1/25/2021	5	5	1	5 day_req	NA	NA	single_day
Mendocino	2020-2021	39.334	-123.238	12/21/2020	2	2	16	2 day_req		1	3 daily
Mendocino	2020-2021	39.334	-123.238	12/27/2020	1	1	16	3 day_req		1	3 daily
Mendocino	2020-2021	39.334	-123.238	12/28/2020	1	1	16	4 day_req		1	3 daily

Mendocino	2020-2021	39.334	-123.238	12/29/2020	1	1	16	5 day_req	1	3 daily
Mendocino	2020-2021	39.334	-123.238	1/11/2021	1	1	16	6 day_req	1	3 daily
Mendocino	2020-2021	39.334	-123.238	1/12/2021	1	1	16	7 day_req	1	3 daily
Mendocino	2020-2021	39.334	-123.238	1/13/2021	1	1	16	8 day_req	1	3 daily
Mendocino	2020-2021	39.334	-123.238	1/15/2021	1	1	16	9 day_req	1	3 daily
Mendocino	2020-2021	39.334	-123.238	1/16/2021	1	1	16	10 day_req	1	3 daily
Mendocino	2020-2021	39.334	-123.238	1/17/2021	1	1	16	11 day_req	1	3 daily
Mendocino	2020-2021	39.334	-123.238	1/19/2021	2	2	16	13 day_req	1	3 daily
Mendocino	2020-2021	39.334	-123.238	1/20/2021	2	2	16	15 day_req	1	3 daily
Mendocino	2020-2021	39.334	-123.238	1/25/2021	2	2	16	17 day_req	1	3 daily
Mendocino	2020-2021	39.334	-123.238	1/28/2021	1	1	16	18 day_req	1	3 daily
Mendocino	2020-2021	39.334	-123.238	1/29/2021	1	1	16	19 day_req	1	3 daily
Mendocino	2020-2021	39.334	-123.238	1/30/2021	1	1	16	20 day_req	1	3 daily
Mendocino	2020-2021	39.337	-123.102	4/9/2021	50	50	2	50 day_req	1	6 daily
Mendocino	2020-2021	39.337	-123.102	4/10/2021	30	30	2	80 day_req	1	6 daily
Mendocino	2020-2021	39.337	-123.1	4/10/2021	1	1	1	1 day_req	NA	NA single_day
Mendocino	2020-2021	39.345	-123.272	12/14/2020	2	2	28	2 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	12/15/2020	2	2	28	4 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	12/16/2020	3	3	28	7 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	12/17/2020	4	3	28	11 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	12/18/2020	1	1	28	12 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	12/19/2020	2	2	28	14 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	12/20/2020	1	1	28	15 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	12/21/2020	1	1	28	16 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	1/26/2021	1	1	28	17 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	1/27/2021	1	1	28	18 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	1/28/2021	1	1	28	19 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	2/2/2021	1	1	28	20 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	2/3/2021	1	1	28	21 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	2/4/2021	1	1	28	22 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	3/4/2021	1	1	28	23 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	3/5/2021	1	1	28	24 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	3/6/2021	1	1	28	25 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	3/23/2021	2	2	28	27 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	3/26/2021	2	2	28	29 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	3/27/2021	4	4	28	33 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	3/28/2021	2	2	28	35 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	4/2/2021	2	2	28	37 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	4/3/2021	2	2	28	39 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	4/5/2021	2	2	28	41 day_req	0.998	3 daily

Mendocino	2020-2021	39.345	-123.272	4/10/2021	2	2	28	43 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	4/15/2021	3	3	28	46 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	4/17/2021	2	2	28	48 day_req	0.998	3 daily
Mendocino	2020-2021	39.345	-123.272	4/18/2021	2	2	28	50 day_req	0.998	3 daily
Mendocino	2020-2021	39.348	-123.32	6/15/2021	1	1	2	1 day_req	1	6 daily
Mendocino	2020-2021	39.348	-123.32	6/16/2021	4	4	2	5 day_req	1	6 daily
Mendocino	2020-2021	39.351	-123.156	4/3/2021	5	5	1	5 day_req	NA	NA single_day
Mendocino	2020-2021	39.366	-123.358	3/13/2021	1	1	8	1 day_req	1	6 daily
Mendocino	2020-2021	39.366	-123.358	3/14/2021	1	1	8	2 day_req	1	6 daily
Mendocino	2020-2021	39.366	-123.358	3/15/2021	1	1	8	3 day_req	1	6 daily
Mendocino	2020-2021	39.366	-123.358	3/23/2021	1	1	8	4 day_req	1	6 daily
Mendocino	2020-2021	39.366	-123.358	3/24/2021	2	2	8	6 day_req	1	6 daily
Mendocino	2020-2021	39.366	-123.358	3/25/2021	2	2	8	8 day_req	1	6 daily
Mendocino	2020-2021	39.366	-123.358	3/26/2021	1	1	8	9 day_req	1	6 daily
Mendocino	2020-2021	39.366	-123.358	4/27/2021	2	2	8	11 day_req	1	6 daily
Mendocino	2020-2021	39.37	-123.661	12/11/2020	14	14	10	14 day_req	0.876	6 daily
Mendocino	2020-2021	39.37	-123.661	12/12/2020	0	14	10	14 day_req	0.876	6 daily
Mendocino	2020-2021	39.37	-123.661	12/13/2020	14	14	10	28 day_req	0.876	6 daily
Mendocino	2020-2021	39.37	-123.661	12/16/2020	3	3	10	31 day_req	0.876	6 daily
Mendocino	2020-2021	39.37	-123.661	12/17/2020	3	3	10	34 day_req	0.876	6 daily
Mendocino	2020-2021	39.37	-123.661	12/18/2020	4	4	10	38 day_req	0.876	6 daily
Mendocino	2020-2021	39.37	-123.661	3/4/2021	3	3	10	41 day_req	0.876	6 daily
Mendocino	2020-2021	39.37	-123.661	3/5/2021	2	2	10	43 day_req	0.876	6 daily
Mendocino	2020-2021	39.37	-123.661	3/10/2021	2	2	10	45 day_req	0.876	6 daily
Mendocino	2020-2021	39.37	-123.661	3/11/2021	1	1	10	46 day_req	0.876	6 daily
Mendocino	2020-2021	39.395	-123.19	4/10/2021	20	100	1	20 day_req	NA	NA single_day
Mendocino	2020-2021	39.403	-123.104	2/28/2021	3	3	2	3 day_req	0.87	6 daily
Mendocino	2020-2021	39.403	-123.104	3/24/2021	0	1	2	3 day_req	0.87	6 daily
Mendocino	2020-2021	39.439	-123.488	1/25/2021	5	5	1	5 day_req	NA	NA single_day
Mendocino	2020-2021	39.453	-123.787	4/17/2021	6	6	1	6 day_req	NA	NA single_day
Mendocino	2020-2021	39.47	-123.784	12/4/2020	3	3	13	3 day_req	1	6 daily
Mendocino	2020-2021	39.47	-123.784	12/5/2020	3	3	13	6 day_req	1	6 daily
Mendocino	2020-2021	39.47	-123.784	12/6/2020	3	3	13	9 day_req	1	6 daily
Mendocino	2020-2021	39.47	-123.784	12/7/2020	3	3	13	12 day_req	1	6 daily
Mendocino	2020-2021	39.47	-123.784	12/8/2020	3	3	13	15 day_req	1	6 daily
Mendocino	2020-2021	39.47	-123.784	12/9/2020	3	3	13	18 day_req	1	6 daily
Mendocino	2020-2021	39.47	-123.784	12/10/2020	3	3	13	21 day_req	1	6 daily
Mendocino	2020-2021	39.47	-123.784	12/11/2020	3	3	13	24 day_req	1	6 daily
Mendocino	2020-2021	39.47	-123.784	2/27/2021	3	3	13	27 day_req	1	6 daily
Mendocino	2020-2021	39.47	-123.784	3/1/2021	3	3	13	30 day_req	1	6 daily

Mendocino	2020-2021	39.47	-123.784	3/3/2021	1	1	13	31 day_req	1	6 daily	
Mendocino	2020-2021	39.47	-123.784	3/4/2021	1	1	13	32 day_req	1	6 daily	
Mendocino	2020-2021	39.47	-123.784	3/5/2021	1	1	13	33 day_req	1	6 daily	
Mendocino	2020-2021	39.508	-123.545	1/25/2021	5	5	1	5 day_req	NA	NA	single_day
Mendocino	2020-2021	39.522	-123.481	1/27/2021	1	1	16	1 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	1/28/2021	2	2	16	3 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	2/1/2021	2	2	16	5 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	2/2/2021	1	1	16	6 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	2/3/2021	2	2	16	8 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	2/4/2021	1	1	16	9 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	2/9/2021	3	3	16	12 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	2/10/2021	1	1	16	13 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	2/11/2021	1	1	16	14 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	2/12/2021	1	1	16	15 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	2/16/2021	1	1	16	16 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	2/17/2021	1	1	16	17 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	2/18/2021	1	1	16	18 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	2/19/2021	1	1	16	19 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	2/20/2021	1	1	16	20 day_req	1	6 daily	
Mendocino	2020-2021	39.522	-123.481	2/21/2021	1	1	16	21 day_req	1	6 daily	
Mendocino	2020-2021	39.63	-123.185	3/3/2021	2	2	3	2 day_req	1	6 daily	
Mendocino	2020-2021	39.63	-123.185	3/4/2021	2	2	3	4 day_req	1	6 daily	
Mendocino	2020-2021	39.63	-123.185	3/5/2021	2	2	3	6 day_req	1	6 daily	
Mendocino	2020-2021	39.694	-123.519	3/30/2021	25	25	9	25 day_req	0.994	6 daily	
Mendocino	2020-2021	39.694	-123.519	4/8/2021	50	50	9	75 day_req	0.994	6 daily	
Mendocino	2020-2021	39.694	-123.519	4/21/2021	70	70	9	145 day_req	0.994	6 daily	
Mendocino	2020-2021	39.694	-123.519	4/22/2021	90	90	9	235 day_req	0.994	6 daily	
Mendocino	2020-2021	39.694	-123.519	4/26/2021	50	50	9	285 day_req	0.994	6 daily	
Mendocino	2020-2021	39.694	-123.519	4/27/2021	30	30	9	315 day_req	0.994	6 daily	
Mendocino	2020-2021	39.694	-123.519	4/28/2021	35	35	9	350 day_req	0.994	6 daily	
Mendocino	2020-2021	39.694	-123.519	5/1/2021	50	50	9	400 day_req	0.994	6 daily	
Mendocino	2020-2021	39.694	-123.519	5/3/2021	45	45	9	445 day_req	0.994	6 daily	
Mendocino	2020-2021	39.771	-123.189	3/3/2021	5	5	3	5 day_req	1	6 daily	
Mendocino	2020-2021	39.771	-123.189	3/4/2021	5	5	3	10 day_req	1	6 daily	
Mendocino	2020-2021	39.771	-123.189	3/5/2021	5	5	3	15 day_req	1	6 daily	
Mendocino	2020-2021	39.78	-123.186	2/12/2021	3	3	3	3 day_req	1	6 daily	
Mendocino	2020-2021	39.78	-123.186	2/13/2021	3	3	3	6 day_req	1	6 daily	
Mendocino	2020-2021	39.78	-123.186	2/14/2021	4	4	3	10 day_req	1	6 daily	
Placer	2018-2019	38.869	-121.058	1/9/2019	0.75	0.75	1	0.75 day_req	NA	NA	single_day
Placer	2018-2019	38.904	-121.056	12/19/2018	0.25	0.25	7	0.25 day_req	0.862	6 daily	

Placer	2018-2019	38.904	-121.056	3/24/2019	0.01	0.02	7	0.26 day_req	0.862	6 daily
Placer	2018-2019	38.904	-121.056	5/15/2019	0.3	0.5	7	0.56 day_req	0.862	6 daily
Placer	2018-2019	38.904	-121.056	5/16/2019	0.25	0.25	7	0.81 day_req	0.862	6 daily
Placer	2018-2019	38.904	-121.056	5/17/2019	0.15	0.25	7	0.96 day_req	0.862	6 daily
Placer	2018-2019	38.904	-121.056	5/18/2019	0.1	0.1	7	1.06 day_req	0.862	6 daily
Placer	2018-2019	38.904	-121.056	5/21/2019	0.25	0.25	7	1.31 day_req	0.862	6 daily
Placer	2018-2019	38.92	-121.003	2/1/2019	2	0.05	3	2 day_req	1	1 daily
Placer	2018-2019	38.92	-121.003	2/8/2019	0.05	0.05	3	2.05 day_req	1	1 daily
Placer	2018-2019	38.92	-121.003	2/12/2019	0.1	0.5	3	2.15 day_req	1	1 daily
Placer	2018-2019	38.938	-121.008	1/30/2019	0.25	0.25	1	0.25 day_req	NA	single_day
Placer	2018-2019	38.953	-120.987	1/15/2019	0.15	1	2	0.15 seas_req	0.27	7 seasonal
Placer	2018-2019	38.953	-120.987	1/31/2019	0.15	0.15	2	0.3 seas_req	0.27	7 seasonal
Placer	2018-2019	38.955	-120.955	12/4/2018	0.25	0.5	30	0.25 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	12/5/2018	0.25	0.5	30	0.5 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	12/6/2018	0	0.5	30	0.5 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	12/7/2018	0.5	0.5	30	1 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	12/14/2018	0.5	0.5	30	1.5 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	12/18/2018	0.25	0.25	30	1.75 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	12/19/2018	0.25	0.25	30	2 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	12/21/2018	0.25	0.25	30	2.25 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	12/26/2018	0.15	0.15	30	2.4 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	1/2/2019	0.1	0.5	30	2.5 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	1/3/2019	0.1	0.1	30	2.6 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	1/5/2019	0.1	0.1	30	2.7 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	1/9/2019	0.1	0.1	30	2.8 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	1/10/2019	0.1	0.2	30	2.9 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	1/29/2019	0.1	0.1	30	3 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	2/5/2019	2	0.1	30	5 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	2/6/2019	0.1	0.25	30	5.1 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	2/7/2019	0.15	0.15	30	5.25 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	2/15/2019	0.15	0.15	30	5.4 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	2/28/2019	0.1	0.1	30	5.5 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	3/5/2019	0.1	0.1	30	5.6 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	3/7/2019	0.1	0.1	30	5.7 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	3/8/2019	0.1	0.1	30	5.8 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	3/12/2019	0.1	0.1	30	5.9 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	3/13/2019	0.05	0.05	30	5.95 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	3/20/2019	0.1	0.1	30	6.05 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	3/27/2019	0.05	0.1	30	6.1 day_req	0.968	3 daily
Placer	2018-2019	38.955	-120.955	3/28/2019	0.1	0.1	30	6.2 day_req	0.968	3 daily

Placer	2018-2019	38.955	-120.955	4/5/2019	0.05	0.1	30	6.25 day_req		0.968	3 daily
Placer	2018-2019	38.955	-120.955	4/16/2019	0.02	0.05	30	6.27 day_req		0.968	3 daily
Placer	2018-2019	38.965	-120.623	1/30/2019	140	182	1	140 day_req	NA	NA	single_day
Placer	2018-2019	39.023	-120.935	4/9/2019	3	3	1	3 day_req	NA	NA	single_day
Placer	2018-2019	39.065	-120.973	10/25/2018	3.03	3.03	1	3.03 day_req	NA	NA	single_day
Placer	2018-2019	39.065	-120.972	10/25/2018	4.4	4.4	1	4.4 day_req	NA	NA	single_day
Placer	2018-2019	39.067	-120.747	11/27/2018	2	2	3	2 day_req		0.968	6 daily
Placer	2018-2019	39.067	-120.747	5/3/2019	0	16	3	2 day_req		0.968	6 daily
Placer	2018-2019	39.067	-120.747	5/6/2019	16	16	3	18 day_req		0.968	6 daily
Placer	2018-2019	39.067	-120.58	11/28/2018	10	10	5	10 seas_req		0.002	2 seasonal
Placer	2018-2019	39.067	-120.58	11/29/2018	5	90	5	15 seas_req		0.002	2 seasonal
Placer	2018-2019	39.067	-120.58	12/3/2018	0	20	5	15 seas_req		0.002	2 seasonal
Placer	2018-2019	39.067	-120.58	12/12/2018	10	10	5	25 seas_req		0.002	2 seasonal
Placer	2018-2019	39.067	-120.58	12/18/2018	0	5	5	25 seas_req		0.002	2 seasonal
Placer	2018-2019	39.068	-120.751	5/3/2019	0	61	4	0 seas_req		0.002	7 seasonal
Placer	2018-2019	39.068	-120.751	5/6/2019	0	61	4	0 seas_req		0.002	7 seasonal
Placer	2018-2019	39.068	-120.751	5/7/2019	0	61	4	0 seas_req		0.002	7 seasonal
Placer	2018-2019	39.068	-120.751	5/8/2019	60	61	4	60 seas_req		0.002	7 seasonal
Placer	2018-2019	39.071	-120.746	5/3/2019	78	78	1	78 day_req	NA	NA	single_day
Placer	2018-2019	39.073	-120.738	1/31/2019	1	1	3	1 day_req		0.542	6 uncertain
Placer	2018-2019	39.073	-120.738	5/6/2019	0	73	3	1 day_req		0.542	6 uncertain
Placer	2018-2019	39.073	-120.738	5/7/2019	73	73	3	74 day_req		0.542	6 uncertain
Placer	2018-2019	39.075	-120.742	4/30/2019	0	61	2	0 seas_req		0.092	7 seasonal
Placer	2018-2019	39.075	-120.742	5/2/2019	59	61	2	59 seas_req		0.092	7 seasonal
Placer	2018-2019	39.077	-120.749	5/9/2019	0	16	4	0 seas_req		0	7 seasonal
Placer	2018-2019	39.077	-120.749	5/13/2019	0	16	4	0 seas_req		0	7 seasonal
Placer	2018-2019	39.077	-120.749	5/14/2019	0	16	4	0 seas_req		0	7 seasonal
Placer	2018-2019	39.077	-120.749	5/15/2019	0	16	4	0 seas_req		0	7 seasonal
Placer	2018-2019	39.078	-120.746	5/8/2019	13	61	1	13 day_req	NA	NA	single_day
Placer	2018-2019	39.081	-120.746	5/9/2019	0	94	3	0 seas_req		0.004	7 seasonal
Placer	2018-2019	39.081	-120.746	5/13/2019	0	94	3	0 seas_req		0.004	7 seasonal
Placer	2018-2019	39.081	-120.746	5/14/2019	94	94	3	94 seas_req		0.004	7 seasonal
Placer	2018-2019	39.081	-120.741	4/30/2019	0	20	2	0 day_req		0.984	6 daily
Placer	2018-2019	39.081	-120.741	5/2/2019	20	20	2	20 day_req		0.984	6 daily
Placer	2018-2019	39.082	-120.937	5/10/2019	0.25	0.5	21	0.25 day_req		0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/13/2019	0.25	0.5	21	0.5 day_req		0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/14/2019	1.5	1.5	21	2 day_req		0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/15/2019	2	3.5	21	4 day_req		0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/16/2019	3	3	21	7 day_req		0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/17/2019	0	2	21	7 day_req		0.944	3 daily

Placer	2018-2019	39.082	-120.937	5/18/2019	2	2	21	9 day_req	0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/19/2019	2	2	21	11 day_req	0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/20/2019	0.5	2	21	11.5 day_req	0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/21/2019	1	2	21	12.5 day_req	0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/22/2019	3	3	21	15.5 day_req	0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/23/2019	2	2	21	17.5 day_req	0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/24/2019	2	2	21	19.5 day_req	0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/28/2019	2	2	21	21.5 day_req	0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/29/2019	2	2	21	23.5 day_req	0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/30/2019	2	2	21	25.5 day_req	0.944	3 daily
Placer	2018-2019	39.082	-120.937	5/31/2019	2	2	21	27.5 day_req	0.944	3 daily
Placer	2018-2019	39.082	-120.937	6/3/2019	0.25	2	21	27.75 day_req	0.944	3 daily
Placer	2018-2019	39.082	-120.937	6/4/2019	2	2	21	29.75 day_req	0.944	3 daily
Placer	2018-2019	39.082	-120.937	6/5/2019	2	2	21	31.75 day_req	0.944	3 daily
Placer	2018-2019	39.082	-120.937	6/6/2019	2	2	21	33.75 day_req	0.944	3 daily
Placer	2018-2019	39.092	-120.739	5/15/2019	0	28	2	0 seas_req	0	7 seasonal
Placer	2018-2019	39.092	-120.739	6/6/2019	20	28	2	20 seas_req	0	7 seasonal
Placer	2018-2019	39.096	-120.735	5/15/2019	0	160	2	0 seas_req	0.126	7 seasonal
Placer	2018-2019	39.096	-120.735	6/6/2019	150	160	2	150 seas_req	0.126	7 seasonal
Placer	2018-2019	39.098	-120.731	12/3/2018	0	20	3	0 seas_req	0.046	7 seasonal
Placer	2018-2019	39.098	-120.731	12/4/2018	2	62	3	2 seas_req	0.046	7 seasonal
Placer	2018-2019	39.098	-120.731	12/11/2018	60	60	3	62 seas_req	0.046	7 seasonal
Placer	2018-2019	39.106	-120.727	12/3/2018	0	18	3	0 seas_req	0.002	7 seasonal
Placer	2018-2019	39.106	-120.727	12/4/2018	0	18	3	0 seas_req	0.002	7 seasonal
Placer	2018-2019	39.106	-120.727	12/11/2018	18	18	3	18 seas_req	0.002	7 seasonal
Placer	2018-2019	39.141	-120.773	11/28/2018	8	8	4	8 seas_req	0.014	7 seasonal
Placer	2018-2019	39.141	-120.773	11/29/2018	30	68	4	38 seas_req	0.014	7 seasonal
Placer	2018-2019	39.141	-120.773	12/3/2018	4	38	4	42 seas_req	0.014	7 seasonal
Placer	2018-2019	39.141	-120.773	12/11/2018	32	38	4	74 seas_req	0.014	7 seasonal
Placer	2018-2019	39.175	-120.679	11/4/2018	0	17.9	1	0 day_req	NA	NA single_day
Placer	2018-2019	39.176	-120.682	11/4/2018	0	7	1	0 day_req	NA	NA single_day
Placer	2018-2019	39.176	-120.652	10/9/2018	6.1	13	4	6.1 seas_req	0	7 seasonal
Placer	2018-2019	39.176	-120.652	10/11/2018	0	13	4	6.1 seas_req	0	7 seasonal
Placer	2018-2019	39.176	-120.652	10/13/2018	0	13	4	6.1 seas_req	0	7 seasonal
Placer	2018-2019	39.176	-120.652	11/3/2018	0	13	4	6.1 seas_req	0	7 seasonal
Placer	2018-2019	39.18	-120.673	10/9/2018	0	77	10	0 seas_req	0	7 seasonal
Placer	2018-2019	39.18	-120.673	10/11/2018	0	77	10	0 seas_req	0	7 seasonal
Placer	2018-2019	39.18	-120.673	10/13/2018	0	77	10	0 seas_req	0	7 seasonal
Placer	2018-2019	39.18	-120.673	10/17/2018	0	77	10	0 seas_req	0	7 seasonal
Placer	2018-2019	39.18	-120.673	10/19/2018	0	77	10	0 seas_req	0	7 seasonal



Placer	2018-2019	39.18	-120.673	11/2/2018	0	77	10	0 seas_req	0	7 seasonal
Placer	2018-2019	39.18	-120.673	11/3/2018	0	77	10	0 seas_req	0	7 seasonal
Placer	2018-2019	39.18	-120.673	11/4/2018	0	77	10	0 seas_req	0	7 seasonal
Placer	2018-2019	39.18	-120.673	11/5/2018	37	77	10	37 seas_req	0	7 seasonal
Placer	2018-2019	39.18	-120.673	11/6/2018	0	40	10	37 seas_req	0	7 seasonal
Placer	2018-2019	39.181	-120.66	10/9/2018	0	66	7	0 seas_req	0.004	2 seasonal
Placer	2018-2019	39.181	-120.66	10/11/2018	0	66	7	0 seas_req	0.004	2 seasonal
Placer	2018-2019	39.181	-120.66	10/13/2018	0	35	7	0 seas_req	0.004	2 seasonal
Placer	2018-2019	39.181	-120.66	10/19/2018	0	66	7	0 seas_req	0.004	2 seasonal
Placer	2018-2019	39.181	-120.66	11/2/2018	35	66	7	35 seas_req	0.004	2 seasonal
Placer	2018-2019	39.181	-120.66	11/3/2018	35	66	7	70 seas_req	0.004	2 seasonal
Placer	2018-2019	39.181	-120.66	11/4/2018	31	31	7	101 seas_req	0.004	2 seasonal
Placer	2018-2019	39.19	-120.131	2/7/2019	0.5	4	21	0.5 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	2/8/2019	0.5	4	21	1 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/7/2019	0.5	2	21	1.5 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/8/2019	0.3	1	21	1.8 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/9/2019	0.2	1	21	2 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/10/2019	0	1	21	2 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/13/2019	0.3	1	21	2.3 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/14/2019	0.3	1	21	2.6 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/15/2019	0.6	1	21	3.2 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/16/2019	0.9	1	21	4.1 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/17/2019	0	1	21	4.1 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/18/2019	1	1	21	5.1 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/19/2019	1	1	21	6.1 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/20/2019	0.8	5	21	6.9 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/21/2019	2.6	4	21	9.5 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/22/2019	0.8	4	21	10.3 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/23/2019	3.5	4	21	13.8 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/24/2019	0	4	21	13.8 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/28/2019	0	4	21	13.8 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/29/2019	0	4	21	13.8 seas_req	0.002	7 seasonal
Placer	2018-2019	39.19	-120.131	5/30/2019	0	4	21	13.8 seas_req	0.002	7 seasonal
Placer	2018-2019	39.24	-120.088	12/6/2018	3	26	1	3 day_req	NA	single_day
Placer	2018-2019	39.245	-120.081	12/4/2018	3	37	4	3 seas_req	0	7 seasonal
Placer	2018-2019	39.245	-120.081	12/10/2018	2	15	4	5 seas_req	0	7 seasonal
Placer	2018-2019	39.245	-120.081	12/11/2018	5	5	4	10 seas_req	0	7 seasonal
Placer	2018-2019	39.245	-120.081	12/12/2018	0	2	4	10 seas_req	0	7 seasonal
Placer	2019-2020	38.869	-121.058	12/10/2019	0.1	0.1	4	0.1 day_req	0.954	6 daily
Placer	2019-2020	38.869	-121.058	12/11/2019	0.1	0.1	4	0.2 day_req	0.954	6 daily

Placer	2019-2020	38.869	-121.058	1/22/2020	0.02	0.05	4	0.22 day_req	0.954	6 daily
Placer	2019-2020	38.869	-121.058	1/24/2020	0.02	0.05	4	0.24 day_req	0.954	6 daily
Placer	2019-2020	38.904	-121.056	12/5/2019	1	2	8	1 seas_req	0.144	7 seasonal
Placer	2019-2020	38.904	-121.056	12/20/2019	0.2	0.2	8	1.2 seas_req	0.144	7 seasonal
Placer	2019-2020	38.904	-121.056	12/21/2019	0.2	0.2	8	1.4 seas_req	0.144	7 seasonal
Placer	2019-2020	38.904	-121.056	3/9/2020	0	0.5	8	1.4 seas_req	0.144	7 seasonal
Placer	2019-2020	38.904	-121.056	3/10/2020	0	0.1	8	1.4 seas_req	0.144	7 seasonal
Placer	2019-2020	38.904	-121.056	3/11/2020	0	0.2	8	1.4 seas_req	0.144	7 seasonal
Placer	2019-2020	38.904	-121.056	3/25/2020	0.01	0.1	8	1.41 seas_req	0.144	7 seasonal
Placer	2019-2020	38.904	-121.056	3/26/2020	0.01	0.1	8	1.42 seas_req	0.144	7 seasonal
Placer	2019-2020	38.92	-121.003	12/10/2019	0	0.1	3	0 seas_req	0.002	7 seasonal
Placer	2019-2020	38.92	-121.003	12/11/2019	0	0.1	3	0 seas_req	0.002	7 seasonal
Placer	2019-2020	38.92	-121.003	12/16/2019	0.01	0.2	3	0.01 seas_req	0.002	7 seasonal
Placer	2019-2020	38.938	-121.008	12/21/2019	0.25	0.25	2	0.25 day_req	0.934	6 daily
Placer	2019-2020	38.938	-121.008	3/10/2020	0.2	0.2	2	0.45 day_req	0.934	6 daily
Placer	2019-2020	38.955	-120.955	12/4/2019	0.1	0.1	8	0.1 seas_req	0.27	2 seasonal
Placer	2019-2020	38.955	-120.955	12/5/2019	0.1	0.1	8	0.2 seas_req	0.27	2 seasonal
Placer	2019-2020	38.955	-120.955	12/11/2019	0.1	0.1	8	0.3 seas_req	0.27	2 seasonal
Placer	2019-2020	38.955	-120.955	12/12/2019	0.1	0.5	8	0.4 seas_req	0.27	2 seasonal
Placer	2019-2020	38.955	-120.955	12/13/2019	0.1	0.25	8	0.5 seas_req	0.27	2 seasonal
Placer	2019-2020	38.955	-120.955	12/19/2019	0.25	0.25	8	0.75 seas_req	0.27	2 seasonal
Placer	2019-2020	38.955	-120.955	12/20/2019	0.2	0.2	8	0.95 seas_req	0.27	2 seasonal
Placer	2019-2020	38.955	-120.955	5/20/2020	0.25	0.1	8	1.2 seas_req	0.27	2 seasonal
Placer	2019-2020	39.057	-120.648	1/21/2020	0	263	3	0 seas_req	0.074	2 seasonal
Placer	2019-2020	39.057	-120.648	2/5/2020	171	171	3	171 seas_req	0.074	2 seasonal
Placer	2019-2020	39.057	-120.648	4/1/2020	263	263	3	434 seas_req	0.074	2 seasonal
Placer	2019-2020	39.067	-120.973	11/23/2019	2.3	5	2	2.3 seas_req	0.02	2 seasonal
Placer	2019-2020	39.067	-120.973	11/24/2019	0	7	2	2.3 seas_req	0.02	2 seasonal
Placer	2019-2020	39.067	-120.971	11/22/2019	0	14.24	2	0 seas_req	0.002	7 seasonal
Placer	2019-2020	39.067	-120.971	11/24/2019	0	5	2	0 seas_req	0.002	7 seasonal
Placer	2019-2020	39.067	-120.58	9/28/2019	0	20	9	0 day_req	0.83	6 daily
Placer	2019-2020	39.067	-120.58	12/10/2019	2	10	9	2 day_req	0.83	6 daily
Placer	2019-2020	39.067	-120.58	12/11/2019	20	20	9	22 day_req	0.83	6 daily
Placer	2019-2020	39.067	-120.58	12/12/2019	3	3	9	25 day_req	0.83	6 daily
Placer	2019-2020	39.067	-120.58	12/16/2019	0	20	9	25 day_req	0.83	6 daily
Placer	2019-2020	39.067	-120.58	1/6/2020	50	50	9	75 day_req	0.83	6 daily
Placer	2019-2020	39.067	-120.58	1/7/2020	0	50	9	75 day_req	0.83	6 daily
Placer	2019-2020	39.067	-120.58	1/8/2020	43	43	9	118 day_req	0.83	6 daily
Placer	2019-2020	39.067	-120.58	4/2/2020	45	45	9	163 day_req	0.83	6 daily
Placer	2019-2020	39.075	-120.742	10/4/2019	0	2	1	0 day_req	NA	NA
										single_day

Placer	2019-2020	39.077	-120.749	10/4/2019	16	16	2	16 day_req	1	6 daily
Placer	2019-2020	39.077	-120.749	10/5/2019	16	16	2	32 day_req	1	6 daily
Placer	2019-2020	39.086	-120.731	2/4/2020	23	23	2	23 day_req	1	6 daily
Placer	2019-2020	39.086	-120.731	4/2/2020	23	23	2	46 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	1/30/2020	1	1	15	1 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	2/3/2020	0.5	0.5	15	1.5 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	2/4/2020	0.5	0.5	15	2 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	2/5/2020	0.5	0.5	15	2.5 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	2/6/2020	0.5	0.5	15	3 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	2/7/2020	0.5	0.5	15	3.5 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	2/11/2020	1	1	15	4.5 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	2/12/2020	1	1	15	5.5 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	2/13/2020	1	1	15	6.5 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	4/13/2020	0.33	0.5	15	6.83 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	4/14/2020	0.33	0.5	15	7.16 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	4/15/2020	0.33	0.5	15	7.49 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	4/16/2020	0.33	0.5	15	7.82 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	4/17/2020	0.25	0.5	15	8.07 day_req	1	6 daily
Placer	2019-2020	39.09	-120.937	4/18/2020	0.25	0.5	15	8.32 day_req	1	6 daily
Placer	2019-2020	39.091	-120.941	3/5/2020	2.38	2.38	2	2.38 day_req	1	6 daily
Placer	2019-2020	39.091	-120.941	3/6/2020	1.5	1.5	2	3.88 day_req	1	6 daily
Placer	2019-2020	39.092	-120.943	2/27/2020	3.74	3.74	1	3.74 day_req	NA	NA single_day
Placer	2019-2020	39.092	-120.941	2/24/2020	1	1	14	1 day_req	1	6 daily
Placer	2019-2020	39.092	-120.941	2/25/2020	1	1	14	2 day_req	1	6 daily
Placer	2019-2020	39.092	-120.941	3/3/2020	0.5	0.5	14	2.5 day_req	1	6 daily
Placer	2019-2020	39.092	-120.941	3/4/2020	0.5	0.5	14	3 day_req	1	6 daily
Placer	2019-2020	39.092	-120.941	3/5/2020	0.5	0.5	14	3.5 day_req	1	6 daily
Placer	2019-2020	39.092	-120.941	4/7/2020	0.33	0.33	14	3.83 day_req	1	6 daily
Placer	2019-2020	39.092	-120.941	4/8/2020	0.33	0.33	14	4.16 day_req	1	6 daily
Placer	2019-2020	39.092	-120.941	4/9/2020	0.33	0.33	14	4.49 day_req	1	6 daily
Placer	2019-2020	39.092	-120.941	4/10/2020	0.33	0.33	14	4.82 day_req	1	6 daily
Placer	2019-2020	39.092	-120.941	4/13/2020	0.33	0.33	14	5.15 day_req	1	6 daily
Placer	2019-2020	39.092	-120.941	4/14/2020	0.33	0.33	14	5.48 day_req	1	6 daily
Placer	2019-2020	39.092	-120.941	4/15/2020	0.33	0.33	14	5.81 day_req	1	6 daily
Placer	2019-2020	39.092	-120.941	4/16/2020	0.25	0.33	14	6.06 day_req	1	6 daily
Placer	2019-2020	39.092	-120.941	4/17/2020	0.33	0.33	14	6.39 day_req	1	6 daily
Placer	2019-2020	39.093	-120.943	3/6/2020	1.64	1.64	1	1.64 day_req	NA	NA single_day
Placer	2019-2020	39.093	-120.932	2/3/2020	0.5	0.5	40	0.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/4/2020	0.5	0.5	40	1 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/5/2020	0.5	0.5	40	1.5 day_req	0.998	3 daily

Placer	2019-2020	39.093	-120.932	2/6/2020	0.5	0.5	40	2 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/7/2020	0.5	0.5	40	2.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/11/2020	1	1	40	3.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/12/2020	1	1	40	4.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/13/2020	1	1	40	5.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/14/2020	1	1	40	6.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/18/2020	1	1	40	7.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/19/2020	1	1	40	8.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/20/2020	1	1	40	9.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/21/2020	1	1	40	10.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/24/2020	1	1	40	11.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/25/2020	1	1	40	12.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/26/2020	1	1	40	13.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	2/27/2020	1	1	40	14.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/3/2020	1	1	40	15.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/4/2020	1	1	40	16.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/6/2020	1	1	40	17.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/9/2020	0.5	0.5	40	18 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/10/2020	0.5	0.5	40	18.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/11/2020	0.5	0.5	40	19 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/12/2020	0.5	0.5	40	19.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/13/2020	0.5	0.5	40	20 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/16/2020	0.5	0.5	40	20.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/17/2020	0.5	0.5	40	21 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/18/2020	0.5	0.5	40	21.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/19/2020	0.5	0.5	40	22 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/20/2020	0.5	0.5	40	22.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/23/2020	0.5	0.5	40	23 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/24/2020	0.5	0.5	40	23.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/25/2020	0.5	0.5	40	24 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/26/2020	0.5	0.5	40	24.5 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	3/27/2020	0.25	0.5	40	24.75 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	4/7/2020	0.33	0.5	40	25.08 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	4/8/2020	0.33	0.5	40	25.41 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	4/9/2020	0.33	0.5	40	25.74 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	4/10/2020	0.33	0.5	40	26.07 day_req	0.998	3 daily
Placer	2019-2020	39.093	-120.932	4/11/2020	0.33	0.5	40	26.4 day_req	0.998	3 daily
Placer	2019-2020	39.094	-120.937	1/29/2020	1	1	4	1 day_req	1	6 daily
Placer	2019-2020	39.094	-120.937	2/18/2020	1	1	4	2 day_req	1	6 daily
Placer	2019-2020	39.094	-120.937	2/19/2020	1	1	4	3 day_req	1	6 daily

Placer	2019-2020	39.094	-120.937	2/20/2020	1	1	4	4 day_req	1	6 daily
Placer	2019-2020	39.095	-120.941	3/9/2020	0.25	0.25	54	0.25 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/10/2020	0.25	0.25	54	0.5 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/11/2020	0.25	0.25	54	0.75 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/12/2020	0.25	0.25	54	1 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/13/2020	0.25	0.25	54	1.25 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/16/2020	0.25	0.25	54	1.5 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/17/2020	0.25	0.25	54	1.75 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/18/2020	0.25	0.25	54	2 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/19/2020	0.25	0.25	54	2.25 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/20/2020	0.25	0.25	54	2.5 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/21/2020	1	1	54	3.5 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/23/2020	0.25	0.25	54	3.75 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/24/2020	0.25	0.25	54	4 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/25/2020	0.25	0.25	54	4.25 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/26/2020	0.25	0.25	54	4.5 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/27/2020	0.25	0.25	54	4.75 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/28/2020	0.33	0.5	54	5.08 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/30/2020	0.33	0.5	54	5.41 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	3/31/2020	0.33	0.5	54	5.74 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/1/2020	0.66	1	54	6.4 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/3/2020	0.33	0.5	54	6.73 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/7/2020	0.33	0.33	54	7.06 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/8/2020	0.33	0.33	54	7.39 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/9/2020	0.33	0.33	54	7.72 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/10/2020	0.33	0.33	54	8.05 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/11/2020	0.33	0.5	54	8.38 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/13/2020	0.33	0.33	54	8.71 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/14/2020	0.33	0.33	54	9.04 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/15/2020	0.25	0.33	54	9.29 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/16/2020	0.25	0.33	54	9.54 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/17/2020	0.25	0.33	54	9.79 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/18/2020	0.25	0.25	54	10.04 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/20/2020	0.25	0.3	54	10.29 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/21/2020	0.25	0.3	54	10.54 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/22/2020	0.25	0.3	54	10.79 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/23/2020	0.25	0.3	54	11.04 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/24/2020	0.25	0.3	54	11.29 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/25/2020	0.25	0.3	54	11.54 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/27/2020	0.33	0.33	54	11.87 day_req	0.986	3 daily

Placer	2019-2020	39.095	-120.941	4/28/2020	0.33	0.33	54	12.2 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/29/2020	0.33	0.33	54	12.53 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	4/30/2020	0.33	0.33	54	12.86 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	5/1/2020	0.33	0.33	54	13.19 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	5/4/2020	0.33	0.33	54	13.52 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	5/5/2020	0.33	0.33	54	13.85 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	5/6/2020	0.33	0.33	54	14.18 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	5/7/2020	0.33	0.33	54	14.51 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	5/12/2020	0.33	0.33	54	14.84 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	5/13/2020	0.33	0.33	54	15.17 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	5/14/2020	0	0.33	54	15.17 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	5/15/2020	0	0.33	54	15.17 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	5/19/2020	0	0.6	54	15.17 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	5/20/2020	0	0.3	54	15.17 day_req	0.986	3 daily
Placer	2019-2020	39.095	-120.941	5/21/2020	0	0.3	54	15.17 day_req	0.986	3 daily
Placer	2019-2020	39.096	-120.934	1/31/2020	1	1	7	1 day_req	0.972	6 daily
Placer	2019-2020	39.096	-120.934	2/3/2020	0.5	0.5	7	1.5 day_req	0.972	6 daily
Placer	2019-2020	39.096	-120.934	2/4/2020	0.5	0.5	7	2 day_req	0.972	6 daily
Placer	2019-2020	39.096	-120.934	2/5/2020	0.5	0.5	7	2.5 day_req	0.972	6 daily
Placer	2019-2020	39.096	-120.934	5/19/2020	0	0.2	7	2.5 day_req	0.972	6 daily
Placer	2019-2020	39.096	-120.934	5/20/2020	0	0.1	7	2.5 day_req	0.972	6 daily
Placer	2019-2020	39.096	-120.934	5/21/2020	0	0.1	7	2.5 day_req	0.972	6 daily
Placer	2019-2020	39.096	-120.735	10/7/2019	0	10	1	0 day_req	NA	NA single_day
Placer	2019-2020	39.097	-120.943	3/9/2020	0.25	0.25	31	0.25 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/10/2020	0.25	0.25	31	0.5 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/11/2020	0.25	0.25	31	0.75 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/12/2020	0.25	0.25	31	1 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/13/2020	0.25	0.25	31	1.25 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/16/2020	0.25	0.25	31	1.5 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/17/2020	0.25	0.25	31	1.75 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/18/2020	0.25	0.25	31	2 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/19/2020	0.25	0.25	31	2.25 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/20/2020	0.25	0.25	31	2.5 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/23/2020	0.25	0.25	31	2.75 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/24/2020	0.25	0.25	31	3 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/25/2020	0.25	0.25	31	3.25 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/26/2020	0.25	0.25	31	3.5 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/27/2020	0.33	0.25	31	3.83 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/28/2020	0.33	0.5	31	4.16 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	3/30/2020	0.33	0.5	31	4.49 day_req	0.996	3 daily

Placer	2019-2020	39.097	-120.943	3/31/2020	0.66	1	31	5.15 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	4/1/2020	0.33	0.5	31	5.48 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	4/3/2020	0.33	0.5	31	5.81 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	4/7/2020	0.33	0.33	31	6.14 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	4/8/2020	0.33	0.33	31	6.47 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	4/9/2020	0.33	0.33	31	6.8 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	4/10/2020	0.33	0.33	31	7.13 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	4/11/2020	0.33	0.5	31	7.46 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	4/13/2020	0.33	0.33	31	7.79 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	4/14/2020	0.33	0.33	31	8.12 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	4/15/2020	0.25	0.33	31	8.37 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	4/16/2020	0.25	0.33	31	8.62 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	4/17/2020	0.25	0.33	31	8.87 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.943	4/18/2020	0.25	0.25	31	9.12 day_req	0.996	3 daily
Placer	2019-2020	39.097	-120.737	10/6/2019	0	98	4	0 seas_req	0.008	7 seasonal
Placer	2019-2020	39.097	-120.737	10/7/2019	0	98	4	0 seas_req	0.008	7 seasonal
Placer	2019-2020	39.097	-120.737	10/17/2019	0	98	4	0 seas_req	0.008	7 seasonal
Placer	2019-2020	39.097	-120.737	10/18/2019	98	98	4	98 seas_req	0.008	7 seasonal
Placer	2019-2020	39.101	-120.746	9/21/2019	77	77	4	77 day_req	0.996	6 daily
Placer	2019-2020	39.101	-120.746	10/3/2019	43	43	4	120 day_req	0.996	6 daily
Placer	2019-2020	39.101	-120.746	10/4/2019	47	43	4	167 day_req	0.996	6 daily
Placer	2019-2020	39.101	-120.746	10/7/2019	43	43	4	210 day_req	0.996	6 daily
Placer	2019-2020	39.101	-120.738	10/3/2019	30	30	3	30 seas_req	0.056	2 seasonal
Placer	2019-2020	39.101	-120.738	10/5/2019	0	58	3	30 seas_req	0.056	2 seasonal
Placer	2019-2020	39.101	-120.738	10/7/2019	29	29	3	59 seas_req	0.056	2 seasonal
Placer	2019-2020	39.103	-120.934	1/16/2020	3	3	50	3 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	1/20/2020	1.5	1.5	50	4.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	1/21/2020	1.5	1.5	50	6 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	1/22/2020	1.5	1.5	50	7.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	1/23/2020	1.5	1.5	50	9 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	1/24/2020	1.5	1.5	50	10.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	1/27/2020	1	1	50	11.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	1/28/2020	1	1	50	12.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	1/29/2020	1	1	50	13.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/4/2020	1.5	1.5	50	15 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/5/2020	1.5	1.5	50	16.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/6/2020	1.5	1.5	50	18 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/7/2020	1.5	1.5	50	19.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/11/2020	1	1	50	20.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/12/2020	1	1	50	21.5 day_req	1	3 daily

Placer	2019-2020	39.103	-120.934	2/13/2020	1	1	50	22.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/14/2020	1	1	50	23.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/17/2020	1	1	50	24.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/18/2020	1	1	50	25.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/19/2020	1	1	50	26.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/20/2020	1	1	50	27.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/21/2020	1	1	50	28.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/24/2020	1	1	50	29.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/25/2020	1	1	50	30.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/26/2020	1	1	50	31.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/27/2020	1	1	50	32.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	2/28/2020	1	1	50	33.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/3/2020	0.5	0.5	50	34 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/4/2020	0.5	0.5	50	34.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/5/2020	0.5	0.5	50	35 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/6/2020	0.5	0.5	50	35.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/9/2020	0.5	0.5	50	36 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/10/2020	0.5	0.5	50	36.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/11/2020	0.5	0.5	50	37 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/12/2020	0.5	0.5	50	37.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/13/2020	0.5	0.5	50	38 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/14/2020	1	1	50	39 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/16/2020	0.5	0.5	50	39.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/17/2020	0.5	0.5	50	40 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/18/2020	0.5	0.5	50	40.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/19/2020	0.5	0.5	50	41 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/20/2020	0.5	0.5	50	41.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/22/2020	1	1	50	42.5 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/23/2020	0.5	0.5	50	43 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/24/2020	0.25	0.5	50	43.25 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/25/2020	0.5	0.5	50	43.75 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/26/2020	0.5	0.5	50	44.25 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/27/2020	0.5	0.5	50	44.75 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	3/30/2020	0.33	0.5	50	45.08 day_req	1	3 daily
Placer	2019-2020	39.103	-120.934	4/3/2020	0.33	0.5	50	45.41 day_req	1	3 daily
Placer	2019-2020	39.103	-120.931	1/8/2020	1	1	16	1 day_req	0.984	6 daily
Placer	2019-2020	39.103	-120.931	1/9/2020	1	1	16	2 day_req	0.984	6 daily
Placer	2019-2020	39.103	-120.931	1/10/2020	0	1	16	2 day_req	0.984	6 daily
Placer	2019-2020	39.103	-120.931	1/13/2020	1	1	16	3 day_req	0.984	6 daily
Placer	2019-2020	39.103	-120.931	1/14/2020	1	1	16	4 day_req	0.984	6 daily



Placer	2019-2020	39.103	-120.931	1/15/2020	1	1	16	5 day_req	0.984	6 daily	
Placer	2019-2020	39.103	-120.931	1/16/2020	1	1	16	6 day_req	0.984	6 daily	
Placer	2019-2020	39.103	-120.931	1/17/2020	6	4	16	12 day_req	0.984	6 daily	
Placer	2019-2020	39.103	-120.931	1/20/2020	1.5	1.5	16	13.5 day_req	0.984	6 daily	
Placer	2019-2020	39.103	-120.931	1/21/2020	1.5	1.5	16	15 day_req	0.984	6 daily	
Placer	2019-2020	39.103	-120.931	1/22/2020	1.5	1.5	16	16.5 day_req	0.984	6 daily	
Placer	2019-2020	39.103	-120.931	1/23/2020	1.5	1.5	16	18 day_req	0.984	6 daily	
Placer	2019-2020	39.103	-120.931	1/24/2020	1.5	1.5	16	19.5 day_req	0.984	6 daily	
Placer	2019-2020	39.103	-120.931	1/27/2020	1	1	16	20.5 day_req	0.984	6 daily	
Placer	2019-2020	39.103	-120.931	1/28/2020	1	1	16	21.5 day_req	0.984	6 daily	
Placer	2019-2020	39.103	-120.931	1/29/2020	1	1	16	22.5 day_req	0.984	6 daily	
Placer	2019-2020	39.105	-120.931	2/28/2020	1	1	1	1 day_req	NA	NA	single_day
Placer	2019-2020	39.106	-120.935	6/1/2020	0	1	2	0 seas_req	0	7 seasonal	
Placer	2019-2020	39.106	-120.935	6/2/2020	0	0.2	2	0 seas_req	0	7 seasonal	
Placer	2019-2020	39.106	-120.932	1/27/2020	1	1	2	1 day_req	1	6 daily	
Placer	2019-2020	39.106	-120.932	1/28/2020	1	1	2	2 day_req	1	6 daily	
Placer	2019-2020	39.106	-120.728	10/5/2019	0	243	3	0 seas_req	0	7 seasonal	
Placer	2019-2020	39.106	-120.728	10/6/2019	0	243	3	0 seas_req	0	7 seasonal	
Placer	2019-2020	39.106	-120.728	10/20/2019	0	243	3	0 seas_req	0	7 seasonal	
Placer	2019-2020	39.112	-120.729	10/5/2019	0	76	2	0 seas_req	0	7 seasonal	
Placer	2019-2020	39.112	-120.729	10/20/2019	0	76	2	0 seas_req	0	7 seasonal	
Placer	2019-2020	39.113	-120.732	2/27/2020	10	10	4	10 seas_req	0	2 seasonal	
Placer	2019-2020	39.113	-120.732	3/3/2020	0	13	4	10 seas_req	0	2 seasonal	
Placer	2019-2020	39.113	-120.732	3/4/2020	0	202	4	10 seas_req	0	2 seasonal	
Placer	2019-2020	39.113	-120.732	3/6/2020	0	202	4	10 seas_req	0	2 seasonal	
Placer	2019-2020	39.116	-120.736	10/5/2019	0	105	5	0 seas_req	0	2 seasonal	
Placer	2019-2020	39.116	-120.736	10/6/2019	0	105	5	0 seas_req	0	2 seasonal	
Placer	2019-2020	39.116	-120.736	3/3/2020	7	7	5	7 seas_req	0	2 seasonal	
Placer	2019-2020	39.116	-120.736	3/4/2020	0	105	5	7 seas_req	0	2 seasonal	
Placer	2019-2020	39.116	-120.736	3/6/2020	0	105	5	7 seas_req	0	2 seasonal	
Placer	2019-2020	39.141	-120.773	12/3/2019	2	2	1	2 day_req	NA	NA	single_day
Placer	2019-2020	39.151	-120.676	1/21/2020	300	300	2	300 day_req	1	6 daily	
Placer	2019-2020	39.151	-120.676	2/4/2020	278	278	2	578 day_req	1	6 daily	
Placer	2019-2020	39.175	-120.679	10/20/2019	24	24	1	24 day_req	NA	NA	single_day
Placer	2019-2020	39.176	-120.682	10/20/2019	7	7	1	7 day_req	NA	NA	single_day
Placer	2019-2020	39.178	-120.669	10/21/2019	89	89	1	89 day_req	NA	NA	single_day
Placer	2019-2020	39.186	-120.414	10/20/2019	0	38	2	0 seas_req	0	7 seasonal	
Placer	2019-2020	39.186	-120.414	10/21/2019	0	38	2	0 seas_req	0	7 seasonal	
Placer	2019-2020	39.186	-120.413	10/20/2019	0	52	2	0 seas_req	0	7 seasonal	
Placer	2019-2020	39.186	-120.413	10/21/2019	0	52	2	0 seas_req	0	7 seasonal	

Placer	2019-2020	39.19	-120.131	2/11/2020	0.3	0.3	18	0.3 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	3/3/2020	0.5	0.5	18	0.8 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	3/10/2020	0.4	0.4	18	1.2 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	3/12/2020	0.4	0.4	18	1.6 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	3/31/2020	0	0.8	18	1.6 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	4/16/2020	0.4	0.4	18	2 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	4/17/2020	0.4	0.4	18	2.4 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	4/20/2020	0	0.4	18	2.4 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	4/21/2020	0.4	0.4	18	2.8 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	4/22/2020	0.6	0.6	18	3.4 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	4/30/2020	0.2	0.5	18	3.6 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	5/2/2020	0	0.3	18	3.6 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	5/4/2020	0.4	0.4	18	4 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	5/5/2020	0.5	0.5	18	4.5 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	5/6/2020	0	0.5	18	4.5 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	5/7/2020	0	0.3	18	4.5 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	5/12/2020	1	1	18	5.5 day_req	0.988	6 daily
Placer	2019-2020	39.19	-120.131	5/14/2020	1	1	18	6.5 day_req	0.988	6 daily
Placer	2019-2020	39.191	-120.135	11/14/2019	0	20	1	0 day_req	NA	single_day
Placer	2019-2020	39.193	-120.136	11/26/2019	19	19	1	19 day_req	NA	single_day
Placer	2019-2020	39.219	-120.105	2/8/2020	0	1	2	0 day_req	0.994	6 daily
Placer	2019-2020	39.219	-120.105	2/20/2020	1	1	2	1 day_req	0.994	6 daily
Placer	2019-2020	39.227	-120.142	11/26/2019	62	62	1	62 day_req	NA	single_day
Placer	2019-2020	39.231	-120.14	2/8/2020	0	1	2	0 day_req	0.994	6 daily
Placer	2019-2020	39.231	-120.14	2/20/2020	1	1	2	1 day_req	0.994	6 daily
Placer	2019-2020	39.231	-120.132	2/8/2020	1	1	1	1 day_req	NA	single_day
Placer	2019-2020	39.232	-120.138	2/8/2020	1	1	1	1 day_req	NA	single_day
Placer	2019-2020	39.235	-120.109	2/20/2020	1	1	1	1 day_req	NA	single_day
Placer	2019-2020	39.236	-120.13	2/8/2020	2	2	1	2 day_req	NA	single_day
Placer	2019-2020	39.236	-120.096	2/25/2020	1	1	1	1 day_req	NA	single_day
Placer	2019-2020	39.236	-120.089	12/6/2019	0	10	1	0 day_req	NA	single_day
Placer	2019-2020	39.237	-120.092	2/8/2020	0	1	2	0 day_req	0.994	6 daily
Placer	2019-2020	39.237	-120.092	2/25/2020	1	1	2	1 day_req	0.994	6 daily
Placer	2019-2020	39.24	-120.088	12/6/2019	0	10	1	0 day_req	NA	single_day
Placer	2019-2020	39.244	-120.089	12/5/2019	0	10	2	0 day_req	0.986	6 daily
Placer	2019-2020	39.244	-120.089	3/12/2020	20	20	2	20 day_req	0.986	6 daily
Placer	2019-2020	39.245	-120.084	12/5/2019	5	10	3	5 day_req	0.984	6 daily
Placer	2019-2020	39.245	-120.084	3/13/2020	20	20	3	25 day_req	0.984	6 daily
Placer	2019-2020	39.245	-120.084	3/14/2020	3	3	3	28 day_req	0.984	6 daily
Placer	2019-2020	39.245	-120.081	3/14/2020	37	37	1	37 day_req	NA	single_day

Placer	2019-2020	39.252	-120.022	1/8/2020	10	10	8	10 day_req	0.916	6 daily	
Placer	2019-2020	39.252	-120.022	1/9/2020	10	10	8	20 day_req	0.916	6 daily	
Placer	2019-2020	39.252	-120.022	1/10/2020	10	10	8	30 day_req	0.916	6 daily	
Placer	2019-2020	39.252	-120.022	1/12/2020	0	20	8	30 day_req	0.916	6 daily	
Placer	2019-2020	39.252	-120.022	1/13/2020	20	20	8	50 day_req	0.916	6 daily	
Placer	2019-2020	39.252	-120.022	1/15/2020	0	20	8	50 day_req	0.916	6 daily	
Placer	2019-2020	39.252	-120.022	3/4/2020	30	60	8	80 day_req	0.916	6 daily	
Placer	2019-2020	39.252	-120.022	3/5/2020	35	35	8	115 day_req	0.916	6 daily	
Placer	2019-2020	39.258	-120.042	2/26/2020	1	1	1	1 day_req	NA	NA	single_day
Placer	2019-2020	39.259	-120.038	2/26/2020	1	1	1	1 day_req	NA	NA	single_day
Placer	2019-2020	39.259	-120.035	2/26/2020	1	1	1	1 day_req	NA	NA	single_day
Placer	2020-2021	38.899	-121.057	2/16/2021	1	1	3	1 day_req	0.978	6 daily	
Placer	2020-2021	38.899	-121.057	2/18/2021	0.1	1	3	1.1 day_req	0.978	6 daily	
Placer	2020-2021	38.899	-121.057	2/22/2021	1	1	3	2.1 day_req	0.978	6 daily	
Placer	2020-2021	38.904	-121.056	1/6/2021	0	0.25	7	0 day_req	0.954	1 daily	
Placer	2020-2021	38.904	-121.056	1/21/2021	0.25	0.1	7	0.25 day_req	0.954	1 daily	
Placer	2020-2021	38.904	-121.056	2/17/2021	2	4	7	2.25 day_req	0.954	1 daily	
Placer	2020-2021	38.904	-121.056	2/19/2021	0	2.6	7	2.25 day_req	0.954	1 daily	
Placer	2020-2021	38.904	-121.056	2/23/2021	1	0.25	7	3.25 day_req	0.954	1 daily	
Placer	2020-2021	38.904	-121.056	2/25/2021	0.25	0.1	7	3.5 day_req	0.954	1 daily	
Placer	2020-2021	38.904	-121.056	3/10/2021	0.1	0.1	7	3.6 day_req	0.954	1 daily	
Placer	2020-2021	38.906	-121.057	2/18/2021	0	1	1	0 day_req	NA	NA	single_day
Placer	2020-2021	38.91	-121.053	2/18/2021	3	9	5	3 seas_req	0.026	7 seasonal	
Placer	2020-2021	38.91	-121.053	2/19/2021	3	7	5	6 seas_req	0.026	7 seasonal	
Placer	2020-2021	38.91	-121.053	2/20/2021	2.5	4	5	8.5 seas_req	0.026	7 seasonal	
Placer	2020-2021	38.91	-121.053	2/21/2021	0.5	5	5	9 seas_req	0.026	7 seasonal	
Placer	2020-2021	38.91	-121.053	2/22/2021	0.1	0.1	5	9.1 seas_req	0.026	7 seasonal	
Placer	2020-2021	38.916	-121.036	12/15/2020	0.1	0.1	2	0.1 day_req	0.926	1 daily	
Placer	2020-2021	38.916	-121.036	12/16/2020	0.25	0.1	2	0.35 day_req	0.926	1 daily	
Placer	2020-2021	38.92	-121.003	1/12/2021	0.1	1	2	0.1 seas_req	0	7 seasonal	
Placer	2020-2021	38.92	-121.003	1/21/2021	0.01	0.25	2	0.11 seas_req	0	7 seasonal	
Placer	2020-2021	38.953	-120.987	12/18/2020	0.25	0.1	1	0.25 day_req	NA	NA	single_day
Placer	2020-2021	38.964	-120.95	12/17/2020	0.1	0.25	1	0.1 day_req	NA	NA	single_day
Placer	2020-2021	38.992	-121.075	4/19/2021	0	0.25	2	0 seas_req	0	7 seasonal	
Placer	2020-2021	38.992	-121.075	5/7/2021	0	0.25	2	0 seas_req	0	7 seasonal	
Placer	2020-2021	39.051	-120.614	12/14/2020	0	2	1	0 day_req	NA	NA	single_day
Placer	2020-2021	39.059	-120.573	4/1/2021	5	6	2	5 seas_req	0.122	7 seasonal	
Placer	2020-2021	39.059	-120.573	4/5/2021	0	1	2	5 seas_req	0.122	7 seasonal	
Placer	2020-2021	39.061	-120.146	1/11/2021	7	10	3	7 day_req	0.528	7 uncertain	
Placer	2020-2021	39.061	-120.146	1/12/2021	4	6	3	11 day_req	0.528	7 uncertain	

Placer	2020-2021	39.061	-120.146	1/13/2021	4	2	3	15 day_req	0.528	7 uncertain	
Placer	2020-2021	39.065	-120.973	5/7/2021	0	0.25	2	0 seas_req	0	7 seasonal	
Placer	2020-2021	39.065	-120.973	5/19/2021	0	0.5	2	0 seas_req	0	7 seasonal	
Placer	2020-2021	39.065	-120.972	5/7/2021	0	1	2	0 seas_req	0	7 seasonal	
Placer	2020-2021	39.065	-120.972	5/19/2021	0	1	2	0 seas_req	0	7 seasonal	
Placer	2020-2021	39.066	-120.971	12/1/2020	0	12.11	4	0 seas_req	0.002	7 seasonal	
Placer	2020-2021	39.066	-120.971	12/2/2020	0	12.11	4	0 seas_req	0.002	7 seasonal	
Placer	2020-2021	39.066	-120.971	5/7/2021	0	1	4	0 seas_req	0.002	7 seasonal	
Placer	2020-2021	39.066	-120.971	5/19/2021	0	2.5	4	0 seas_req	0.002	7 seasonal	
Placer	2020-2021	39.067	-120.973	12/1/2020	0	7.24	5	0 seas_req	0	2 seasonal	
Placer	2020-2021	39.067	-120.973	12/2/2020	0	7.24	5	0 seas_req	0	2 seasonal	
Placer	2020-2021	39.067	-120.973	4/7/2021	0.5	1	5	0.5 seas_req	0	2 seasonal	
Placer	2020-2021	39.067	-120.973	5/7/2021	0.5	1	5	1 seas_req	0	2 seasonal	
Placer	2020-2021	39.067	-120.973	5/19/2021	0	1	5	1 seas_req	0	2 seasonal	
Placer	2020-2021	39.067	-120.971	12/1/2020	0	5.9	2	0 seas_req	0.108	7 seasonal	
Placer	2020-2021	39.067	-120.971	12/2/2020	5.1	5.9	2	5.1 seas_req	0.108	7 seasonal	
Placer	2020-2021	39.07	-120.75	1/5/2021	10	10	1	10 day_req	NA	NA	single_day
Placer	2020-2021	39.077	-120.934	3/9/2021	0.25	1	2	0.25 seas_req	0.002	7 seasonal	
Placer	2020-2021	39.077	-120.934	3/15/2021	0.25	0.5	2	0.5 seas_req	0.002	7 seasonal	
Placer	2020-2021	39.092	-120.732	1/5/2021	18	18	1	18 day_req	NA	NA	single_day
Placer	2020-2021	39.106	-120.728	4/14/2021	243	243	3	243 day_req	0.98	6 daily	
Placer	2020-2021	39.106	-120.728	4/19/2021	243	243	3	486 day_req	0.98	6 daily	
Placer	2020-2021	39.106	-120.728	4/20/2021	243	243	3	729 day_req	0.98	6 daily	
Placer	2020-2021	39.112	-120.729	4/14/2021	76	76	3	76 day_req	1	6 daily	
Placer	2020-2021	39.112	-120.729	4/19/2021	76	76	3	152 day_req	1	6 daily	
Placer	2020-2021	39.112	-120.729	4/20/2021	76	76	3	228 day_req	1	6 daily	
Placer	2020-2021	39.113	-120.732	4/14/2021	202	202	2	202 day_req	0.986	6 daily	
Placer	2020-2021	39.113	-120.732	4/19/2021	105	202	2	307 day_req	0.986	6 daily	
Placer	2020-2021	39.116	-120.736	4/14/2021	105	105	2	105 day_req	0.964	1 daily	
Placer	2020-2021	39.116	-120.736	4/19/2021	202	105	2	307 day_req	0.964	1 daily	
Placer	2020-2021	39.12	-120.507	3/2/2021	2	4	3	2 seas_req	0.004	7 seasonal	
Placer	2020-2021	39.12	-120.507	4/1/2021	0	2	3	2 seas_req	0.004	7 seasonal	
Placer	2020-2021	39.12	-120.507	4/5/2021	0	2	3	2 seas_req	0.004	7 seasonal	
Placer	2020-2021	39.137	-120.697	12/14/2020	0	3	2	0 day_req	0.98	6 daily	
Placer	2020-2021	39.137	-120.697	12/15/2020	3	3	2	3 day_req	0.98	6 daily	
Placer	2020-2021	39.158	-120.739	1/12/2021	3	16	1	3 day_req	NA	NA	single_day
Placer	2020-2021	39.171	-120.418	5/17/2021	0	79	2	0 seas_req	0.012	2 seasonal	
Placer	2020-2021	39.171	-120.418	5/25/2021	39	39	2	39 seas_req	0.012	2 seasonal	
Placer	2020-2021	39.186	-120.414	5/17/2021	64	92	1	64 day_req	NA	NA	single_day
Placer	2020-2021	39.186	-120.413	5/17/2021	0	52	1	0 day_req	NA	NA	single_day

Placer	2020-2021	39.19	-120.131	11/10/2020	0	10	8	0 seas_req	0.182	2 seasonal	
Placer	2020-2021	39.19	-120.131	11/23/2020	0.8	3	8	0.8 seas_req	0.182	2 seasonal	
Placer	2020-2021	39.19	-120.131	11/24/2020	1.5	2	8	2.3 seas_req	0.182	2 seasonal	
Placer	2020-2021	39.19	-120.131	11/30/2020	2	2	8	4.3 seas_req	0.182	2 seasonal	
Placer	2020-2021	39.19	-120.131	12/1/2020	1	1	8	5.3 seas_req	0.182	2 seasonal	
Placer	2020-2021	39.19	-120.131	12/2/2020	1	1	8	6.3 seas_req	0.182	2 seasonal	
Placer	2020-2021	39.19	-120.131	12/3/2020	1	1	8	7.3 seas_req	0.182	2 seasonal	
Placer	2020-2021	39.19	-120.131	12/4/2020	1	1	8	8.3 seas_req	0.182	2 seasonal	
Placer	2020-2021	39.244	-120.089	1/23/2021	4	15	4	4 seas_req	0.016	7 seasonal	
Placer	2020-2021	39.244	-120.089	1/24/2021	12	15	4	16 seas_req	0.016	7 seasonal	
Placer	2020-2021	39.244	-120.089	1/25/2021	15	20	4	31 seas_req	0.016	7 seasonal	
Placer	2020-2021	39.244	-120.089	1/26/2021	15	15	4	46 seas_req	0.016	7 seasonal	
Placer	2020-2021	39.245	-120.084	1/20/2021	5	5	3	5 day_req	0.914	1 daily	
Placer	2020-2021	39.245	-120.084	1/21/2021	8	13	3	13 day_req	0.914	1 daily	
Placer	2020-2021	39.245	-120.084	1/22/2021	12	8	3	25 day_req	0.914	1 daily	
Placer	2020-2021	39.245	-120.081	1/20/2021	5	5	1	5 day_req	NA	NA	single_day
Placer	2020-2021	39.256	-120.018	1/20/2021	7	7	2	7 day_req	0.992	6 daily	
Placer	2020-2021	39.256	-120.018	1/21/2021	5	6	2	12 day_req	0.992	6 daily	
Placer	2020-2021	39.257	-120.049	3/24/2021	3	16	1	3 day_req	NA	NA	single_day
Placer	2020-2021	39.261	-120.65	12/14/2020	20	22	1	20 day_req	NA	NA	single_day
Placer	2020-2021	39.263	-120.655	12/14/2020	10	10	1	10 day_req	NA	NA	single_day
Placer	2020-2021	39.273	-120.375	1/20/2021	1	20	2	1 seas_req	0	7 seasonal	
Placer	2020-2021	39.273	-120.375	1/21/2021	20	40	2	21 seas_req	0	7 seasonal	
Placer	2020-2021	39.276	-120.12	11/13/2020	0	5	4	0 seas_req	0.006	7 seasonal	
Placer	2020-2021	39.276	-120.12	12/14/2020	6	8	4	6 seas_req	0.006	7 seasonal	
Placer	2020-2021	39.276	-120.12	12/15/2020	10	10	4	16 seas_req	0.006	7 seasonal	
Placer	2020-2021	39.276	-120.12	12/16/2020	2	3	4	18 seas_req	0.006	7 seasonal	
Placer	2020-2021	39.297	-120.181	12/3/2020	37	16	1	37 day_req	NA	NA	single_day
Placer	2020-2021	39.304	-120.18	12/8/2020	16	3	1	16 day_req	NA	NA	single_day
Placer	2020-2021	39.308	-120.185	12/15/2020	1	4	1	1 day_req	NA	NA	single_day
Placer	2020-2021	39.311	-120.191	12/15/2020	3	1	1	3 day_req	NA	NA	single_day
El Dorado	2018-2019	30.637	-120.458	4/16/2019	1	1	3	1 day_req	0.968	9 daily	
El Dorado	2018-2019	30.637	-120.458	5/20/2019	9	5	3	10 day_req	0.968	9 daily	
El Dorado	2018-2019	30.637	-120.458	5/23/2019	6	1	3	16 day_req	0.968	9 daily	
El Dorado	2018-2019	38.574	-120.399	11/29/2018	20	20	1	20 day_req	NA	NA	single_day
El Dorado	2018-2019	38.594	-120.345	11/29/2018	30	30	1	30 day_req	NA	NA	single_day
El Dorado	2018-2019	38.601	-120.356	11/29/2018	25	25	1	25 day_req	NA	NA	single_day
El Dorado	2018-2019	38.606	-120.512	12/31/2018	25	30	3	25 seas_req	0.072	7 seasonal	
El Dorado	2018-2019	38.606	-120.512	1/1/2019	2	30	3	27 seas_req	0.072	7 seasonal	
El Dorado	2018-2019	38.606	-120.512	1/2/2019	10	20	3	37 seas_req	0.072	7 seasonal	

El Dorado	2018-2019	38.61	-120.504	12/24/2018	0.5	5	9	0.5 seas_req		0.006	2 seasonal
El Dorado	2018-2019	38.61	-120.504	12/25/2018	0	5	9	0.5 seas_req		0.006	2 seasonal
El Dorado	2018-2019	38.61	-120.504	1/1/2019	1	5	9	1.5 seas_req		0.006	2 seasonal
El Dorado	2018-2019	38.61	-120.504	1/2/2019	1	5	9	2.5 seas_req		0.006	2 seasonal
El Dorado	2018-2019	38.61	-120.504	1/3/2019	0.5	5	9	3 seas_req		0.006	2 seasonal
El Dorado	2018-2019	38.61	-120.504	3/19/2019	0.5	10	9	3.5 seas_req		0.006	2 seasonal
El Dorado	2018-2019	38.61	-120.504	4/2/2019	0	5	9	3.5 seas_req		0.006	2 seasonal
El Dorado	2018-2019	38.61	-120.504	4/3/2019	0	5	9	3.5 seas_req		0.006	2 seasonal
El Dorado	2018-2019	38.61	-120.504	6/5/2019	2	5	9	5.5 seas_req		0.006	2 seasonal
El Dorado	2018-2019	38.612	-120.593	3/18/2019	0	4	1	0 day_req	NA	NA	single_day
El Dorado	2018-2019	38.614	-120.592	12/24/2018	1	2	1	1 day_req	NA	NA	single_day
El Dorado	2018-2019	38.641	-120.528	12/4/2018	0	20	4	0 seas_req		0	7 seasonal
El Dorado	2018-2019	38.641	-120.528	12/6/2018	0	10	4	0 seas_req		0	7 seasonal
El Dorado	2018-2019	38.641	-120.528	12/10/2018	10	20	4	10 seas_req		0	7 seasonal
El Dorado	2018-2019	38.641	-120.528	5/8/2019	3	3	4	13 seas_req		0	7 seasonal
El Dorado	2018-2019	38.704	-120.497	11/27/2018	10	10	1	10 day_req	NA	NA	single_day
El Dorado	2018-2019	38.715	-120.563	10/28/2018	0	20	11	0 seas_req		0	7 seasonal
El Dorado	2018-2019	38.715	-120.563	10/29/2018	0	20	11	0 seas_req		0	7 seasonal
El Dorado	2018-2019	38.715	-120.563	11/4/2018	0	10	11	0 seas_req		0	7 seasonal
El Dorado	2018-2019	38.715	-120.563	11/5/2018	0	10	11	0 seas_req		0	7 seasonal
El Dorado	2018-2019	38.715	-120.563	11/6/2018	0	10	11	0 seas_req		0	7 seasonal
El Dorado	2018-2019	38.715	-120.563	11/7/2018	0	10	11	0 seas_req		0	7 seasonal
El Dorado	2018-2019	38.715	-120.563	11/8/2018	0	10	11	0 seas_req		0	7 seasonal
El Dorado	2018-2019	38.715	-120.563	11/9/2018	0	10	11	0 seas_req		0	7 seasonal
El Dorado	2018-2019	38.715	-120.563	4/28/2019	12	20	11	12 seas_req		0	7 seasonal
El Dorado	2018-2019	38.715	-120.563	4/29/2019	12	20	11	24 seas_req		0	7 seasonal
El Dorado	2018-2019	38.715	-120.563	4/30/2019	12	20	11	36 seas_req		0	7 seasonal
El Dorado	2018-2019	38.716	-120.359	12/6/2018	30	35	2	30 day_req		0.998	6 daily
El Dorado	2018-2019	38.716	-120.359	12/12/2018	5	5	2	35 day_req		0.998	6 daily
El Dorado	2018-2019	38.717	-120.219	11/27/2018	10	10	3	10 day_req		1	6 daily
El Dorado	2018-2019	38.717	-120.219	11/28/2018	31	31	3	41 day_req		1	6 daily
El Dorado	2018-2019	38.717	-120.219	6/17/2019	20	20	3	61 day_req		1	6 daily
El Dorado	2018-2019	38.724	-120.567	11/27/2018	0.25	0.25	16	0.25 day_req		1	6 daily
El Dorado	2018-2019	38.724	-120.567	12/12/2018	1	2	16	1.25 day_req		1	6 daily
El Dorado	2018-2019	38.724	-120.567	12/15/2018	1	1	16	2.25 day_req		1	6 daily
El Dorado	2018-2019	38.724	-120.567	12/17/2018	1	1	16	3.25 day_req		1	6 daily
El Dorado	2018-2019	38.724	-120.567	12/18/2018	1	1	16	4.25 day_req		1	6 daily
El Dorado	2018-2019	38.724	-120.567	12/19/2018	1	1	16	5.25 day_req		1	6 daily
El Dorado	2018-2019	38.724	-120.567	12/21/2018	1	1	16	6.25 day_req		1	6 daily
El Dorado	2018-2019	38.724	-120.567	12/28/2018	1	0.25	16	7.25 day_req		1	6 daily

El Dorado	2018-2019	38.724	-120.567	1/20/2019	1	1	16	8.25 day_req	1	6 daily
El Dorado	2018-2019	38.724	-120.567	1/21/2019	1	1	16	9.25 day_req	1	6 daily
El Dorado	2018-2019	38.724	-120.567	1/22/2019	1	1	16	10.25 day_req	1	6 daily
El Dorado	2018-2019	38.724	-120.567	1/26/2019	1	1	16	11.25 day_req	1	6 daily
El Dorado	2018-2019	38.724	-120.567	1/29/2019	4	4	16	15.25 day_req	1	6 daily
El Dorado	2018-2019	38.724	-120.567	1/30/2019	1	1	16	16.25 day_req	1	6 daily
El Dorado	2018-2019	38.724	-120.567	2/12/2019	1	1	16	17.25 day_req	1	6 daily
El Dorado	2018-2019	38.724	-120.567	5/15/2019	0.25	0.25	16	17.5 day_req	1	6 daily
El Dorado	2018-2019	38.725	-120.142	6/27/2019	0	143	2	0 seas_req	0.002	7 seasonal
El Dorado	2018-2019	38.725	-120.142	6/30/2019	0	143	2	0 seas_req	0.002	7 seasonal
El Dorado	2018-2019	38.728	-120.521	6/18/2019	0	20	2	0 seas_req	0	7 seasonal
El Dorado	2018-2019	38.728	-120.521	6/19/2019	0	20	2	0 seas_req	0	7 seasonal
El Dorado	2018-2019	38.754	-120.738	11/28/2018	0	2	1	0 day_req	NA	NA single_day
El Dorado	2018-2019	38.754	-120.354	12/6/2018	0	10	4	0 seas_req	0.002	2 seasonal
El Dorado	2018-2019	38.754	-120.354	12/12/2018	4	10	4	4 seas_req	0.002	2 seasonal
El Dorado	2018-2019	38.754	-120.354	12/20/2018	2	12	4	6 seas_req	0.002	2 seasonal
El Dorado	2018-2019	38.754	-120.354	1/5/2019	5	5	4	11 seas_req	0.002	2 seasonal
El Dorado	2018-2019	38.761	-120.884	4/10/2019	3	2	7	3 day_req	0.91	1 daily
El Dorado	2018-2019	38.761	-120.884	4/11/2019	6	4	7	9 day_req	0.91	1 daily
El Dorado	2018-2019	38.761	-120.884	4/12/2019	3	2	7	12 day_req	0.91	1 daily
El Dorado	2018-2019	38.761	-120.884	4/13/2019	0	2	7	12 day_req	0.91	1 daily
El Dorado	2018-2019	38.761	-120.884	4/14/2019	0	2	7	12 day_req	0.91	1 daily
El Dorado	2018-2019	38.761	-120.884	6/28/2019	56	99	7	68 day_req	0.91	1 daily
El Dorado	2018-2019	38.761	-120.884	6/29/2019	15	35	7	83 day_req	0.91	1 daily
El Dorado	2018-2019	38.768	-120.601	12/1/2018	0	40	16	0 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	12/2/2018	0	20	16	0 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	12/3/2018	0	20	16	0 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	12/4/2018	0	20	16	0 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	12/5/2018	0	20	16	0 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	12/6/2018	0	20	16	0 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	12/7/2018	0	20	16	0 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	12/8/2018	0	20	16	0 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	12/9/2018	0	20	16	0 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	12/10/2018	0	20	16	0 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	1/30/2019	0	10	16	0 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	1/31/2019	0	10	16	0 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	2/1/2019	0	10	16	0 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	2/2/2019	10	10	16	10 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	2/3/2019	10	10	16	20 seas_req	0.03	2 seasonal
El Dorado	2018-2019	38.768	-120.601	2/4/2019	10	10	16	30 seas_req	0.03	2 seasonal

El Dorado	2018-2019	38.773	-120.512	4/23/2019	0	50	3	0 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.773	-120.512	4/30/2019	1	25	3	1 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.773	-120.512	5/31/2019	1	25	3	2 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.797	-120.483	12/10/2018	0	30	13	0 seas_req	0.01	7 seasonal	
El Dorado	2018-2019	38.797	-120.483	12/17/2018	5	30	13	5 seas_req	0.01	7 seasonal	
El Dorado	2018-2019	38.797	-120.483	1/30/2019	25	50	13	30 seas_req	0.01	7 seasonal	
El Dorado	2018-2019	38.797	-120.483	1/31/2019	25	25	13	55 seas_req	0.01	7 seasonal	
El Dorado	2018-2019	38.797	-120.483	3/4/2019	1	5	13	56 seas_req	0.01	7 seasonal	
El Dorado	2018-2019	38.797	-120.483	3/21/2019	30	75	13	86 seas_req	0.01	7 seasonal	
El Dorado	2018-2019	38.797	-120.483	3/25/2019	0	75	13	86 seas_req	0.01	7 seasonal	
El Dorado	2018-2019	38.797	-120.483	3/26/2019	0	50	13	86 seas_req	0.01	7 seasonal	
El Dorado	2018-2019	38.797	-120.483	4/15/2019	0	75	13	86 seas_req	0.01	7 seasonal	
El Dorado	2018-2019	38.797	-120.483	4/22/2019	0	50	13	86 seas_req	0.01	7 seasonal	
El Dorado	2018-2019	38.797	-120.483	4/23/2019	0	50	13	86 seas_req	0.01	7 seasonal	
El Dorado	2018-2019	38.797	-120.483	4/30/2019	2	50	13	88 seas_req	0.01	7 seasonal	
El Dorado	2018-2019	38.797	-120.483	5/31/2019	1	25	13	89 seas_req	0.01	7 seasonal	
El Dorado	2018-2019	38.803	-120.628	5/7/2019	0	16	1	0 day_req	NA	NA	single_day
El Dorado	2018-2019	38.807	-120.611	11/28/2018	0	40	4	0 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.807	-120.611	1/31/2019	0	64	4	0 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.807	-120.611	5/7/2019	2	64	4	2 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.807	-120.611	5/8/2019	10	14	4	12 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.812	-120.985	6/6/2019	39	39	1	39 day_req	NA	NA	single_day
El Dorado	2018-2019	38.812	-120.61	5/7/2019	0	16	1	0 day_req	NA	NA	single_day
El Dorado	2018-2019	38.813	-120.602	1/31/2019	55	63	1	55 day_req	NA	NA	single_day
El Dorado	2018-2019	38.816	-120.49	12/10/2018	0	30	2	0 seas_req	0	7 seasonal	
El Dorado	2018-2019	38.816	-120.49	12/17/2018	0	30	2	0 seas_req	0	7 seasonal	
El Dorado	2018-2019	38.818	-120.592	5/7/2019	0	7	2	0 day_req	0.762	1 daily	
El Dorado	2018-2019	38.818	-120.592	5/15/2019	10	7	2	10 day_req	0.762	1 daily	
El Dorado	2018-2019	38.82	-120.581	11/28/2018	0	30	3	0 day_req	0.984	1 daily	
El Dorado	2018-2019	38.82	-120.581	5/7/2019	0	46	3	0 day_req	0.984	1 daily	
El Dorado	2018-2019	38.82	-120.581	5/15/2019	55	46	3	55 day_req	0.984	1 daily	
El Dorado	2018-2019	38.824	-120.525	12/10/2018	0	30	5	0 seas_req	0	7 seasonal	
El Dorado	2018-2019	38.824	-120.525	12/17/2018	0	30	5	0 seas_req	0	7 seasonal	
El Dorado	2018-2019	38.824	-120.525	4/22/2019	0	75	5	0 seas_req	0	7 seasonal	
El Dorado	2018-2019	38.824	-120.525	4/23/2019	0	50	5	0 seas_req	0	7 seasonal	
El Dorado	2018-2019	38.824	-120.525	5/31/2019	2	85	5	2 seas_req	0	7 seasonal	
El Dorado	2018-2019	38.83	-120.369	5/15/2019	1	1	1	1 day_req	NA	NA	single_day
El Dorado	2018-2019	38.841	-120.9	11/7/2018	0	93	12	0 day_req	0.582	1 uncertain	
El Dorado	2018-2019	38.841	-120.9	1/3/2019	9	30	12	9 day_req	0.582	1 uncertain	
El Dorado	2018-2019	38.841	-120.9	1/4/2019	0	30	12	9 day_req	0.582	1 uncertain	



El Dorado	2018-2019	38.841	-120.9	1/5/2019	43	30	12	52 day_req	0.582	1 uncertain	
El Dorado	2018-2019	38.841	-120.9	1/6/2019	0	30	12	52 day_req	0.582	1 uncertain	
El Dorado	2018-2019	38.841	-120.9	1/28/2019	0	10	12	52 day_req	0.582	1 uncertain	
El Dorado	2018-2019	38.841	-120.9	1/29/2019	0	10	12	52 day_req	0.582	1 uncertain	
El Dorado	2018-2019	38.841	-120.9	1/30/2019	0	10	12	52 day_req	0.582	1 uncertain	
El Dorado	2018-2019	38.841	-120.9	1/31/2019	0	10	12	52 day_req	0.582	1 uncertain	
El Dorado	2018-2019	38.841	-120.9	2/1/2019	0	10	12	52 day_req	0.582	1 uncertain	
El Dorado	2018-2019	38.841	-120.9	2/2/2019	0	10	12	52 day_req	0.582	1 uncertain	
El Dorado	2018-2019	38.841	-120.9	2/3/2019	0	10	12	52 day_req	0.582	1 uncertain	
El Dorado	2018-2019	38.841	-120.467	1/3/2019	90	100	1	90 day_req	NA	NA	single_day
El Dorado	2018-2019	38.843	-120.635	12/6/2018	20	90	4	20 seas_req	0	7 seasonal	
El Dorado	2018-2019	38.843	-120.635	1/30/2019	15	72	4	35 seas_req	0	7 seasonal	
El Dorado	2018-2019	38.843	-120.635	1/31/2019	0	57	4	35 seas_req	0	7 seasonal	
El Dorado	2018-2019	38.843	-120.635	2/7/2019	0	5	4	35 seas_req	0	7 seasonal	
El Dorado	2018-2019	38.848	-120.004	11/28/2018	5	15	2	5 seas_req	0	7 seasonal	
El Dorado	2018-2019	38.848	-120.004	11/29/2018	1	10	2	6 seas_req	0	7 seasonal	
El Dorado	2018-2019	38.851	-119.993	11/27/2018	0	13	1	0 day_req	NA	NA	single_day
El Dorado	2018-2019	38.854	-120.039	10/13/2018	0	12	7	0 seas_req	0.012	2 seasonal	
El Dorado	2018-2019	38.854	-120.039	10/14/2018	0	12	7	0 seas_req	0.012	2 seasonal	
El Dorado	2018-2019	38.854	-120.039	10/16/2018	0	5	7	0 seas_req	0.012	2 seasonal	
El Dorado	2018-2019	38.854	-120.039	10/17/2018	3	4	7	3 seas_req	0.012	2 seasonal	
El Dorado	2018-2019	38.854	-120.039	10/18/2018	1	3	7	4 seas_req	0.012	2 seasonal	
El Dorado	2018-2019	38.854	-120.039	10/20/2018	2	2	7	6 seas_req	0.012	2 seasonal	
El Dorado	2018-2019	38.854	-120.039	10/22/2018	5	5	7	11 seas_req	0.012	2 seasonal	
El Dorado	2018-2019	38.856	-120.993	12/3/2018	0	2	18	0 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	12/4/2018	0	2	18	0 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	12/5/2018	0	2	18	0 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	12/6/2018	0	2	18	0 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	12/7/2018	0	2	18	0 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	12/8/2018	0.3	2	18	0.3 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	12/9/2018	0	2	18	0.3 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	1/3/2019	3	2	18	3.3 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	1/4/2019	0	2	18	3.3 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	1/5/2019	0	2	18	3.3 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	1/6/2019	0	30	18	3.3 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	1/28/2019	0	2	18	3.3 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	1/29/2019	0	2	18	3.3 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	1/30/2019	0	2	18	3.3 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	1/31/2019	0	2	18	3.3 seas_req	0.428	1 uncertain	
El Dorado	2018-2019	38.856	-120.993	2/1/2019	0	2	18	3.3 seas_req	0.428	1 uncertain	

El Dorado	2018-2019	38.856	-120.993	2/2/2019	0	2	18	3.3 seas_req	0.428	1 uncertain
El Dorado	2018-2019	38.856	-120.993	2/3/2019	0	2	18	3.3 seas_req	0.428	1 uncertain
El Dorado	2018-2019	38.856	-120.346	12/5/2018	16	32	2	16 day_req	0.962	6 daily
El Dorado	2018-2019	38.856	-120.346	12/7/2018	16	16	2	32 day_req	0.962	6 daily
El Dorado	2018-2019	38.859	-120.545	1/4/2019	0	92	1	0 day_req	NA	NA single_day
El Dorado	2018-2019	38.86	-120.457	1/2/2019	30	30	3	30 seas_req	0.1	7 seasonal
El Dorado	2018-2019	38.86	-120.457	1/3/2019	40	107	3	70 seas_req	0.1	7 seasonal
El Dorado	2018-2019	38.86	-120.457	1/4/2019	60	67	3	130 seas_req	0.1	7 seasonal
El Dorado	2018-2019	38.873	-120.647	10/24/2018	0	29	5	0 seas_req	0	2 seasonal
El Dorado	2018-2019	38.873	-120.647	11/21/2018	2	2	5	2 seas_req	0	2 seasonal
El Dorado	2018-2019	38.873	-120.647	1/3/2019	10	10	5	12 seas_req	0	2 seasonal
El Dorado	2018-2019	38.873	-120.647	1/4/2019	0	10	5	12 seas_req	0	2 seasonal
El Dorado	2018-2019	38.873	-120.647	4/25/2019	10	10	5	22 seas_req	0	2 seasonal
El Dorado	2018-2019	38.878	-121.034	12/22/2018	0.15	0.15	7	0.15 day_req	0.92	6 daily
El Dorado	2018-2019	38.878	-121.034	1/10/2019	0.1	0.1	7	0.25 day_req	0.92	6 daily
El Dorado	2018-2019	38.878	-121.034	2/13/2019	0.25	0.25	7	0.5 day_req	0.92	6 daily
El Dorado	2018-2019	38.878	-121.034	2/15/2019	0.5	0.5	7	1 day_req	0.92	6 daily
El Dorado	2018-2019	38.878	-121.034	3/21/2019	0.5	1	7	1.5 day_req	0.92	6 daily
El Dorado	2018-2019	38.878	-121.034	3/26/2019	0.5	1	7	2 day_req	0.92	6 daily
El Dorado	2018-2019	38.878	-121.034	4/9/2019	0.1	0.1	7	2.1 day_req	0.92	6 daily
El Dorado	2018-2019	38.88	-119.996	12/10/2018	3	8	3	3 day_req	0.864	6 daily
El Dorado	2018-2019	38.88	-119.996	1/14/2019	8	8	3	11 day_req	0.864	6 daily
El Dorado	2018-2019	38.88	-119.996	4/29/2019	1	1	3	12 day_req	0.864	6 daily
El Dorado	2018-2019	38.882	-120.545	1/3/2019	0	40	2	0 seas_req	0	7 seasonal
El Dorado	2018-2019	38.882	-120.545	1/4/2019	25	100	2	25 seas_req	0	7 seasonal
El Dorado	2018-2019	38.887	-120.019	4/9/2019	10	10	4	10 day_req	0.964	6 daily
El Dorado	2018-2019	38.887	-120.019	4/10/2019	0	2	4	10 day_req	0.964	6 daily
El Dorado	2018-2019	38.887	-120.019	4/11/2019	5	5	4	15 day_req	0.964	6 daily
El Dorado	2018-2019	38.887	-120.019	4/12/2019	5	5	4	20 day_req	0.964	6 daily
El Dorado	2018-2019	38.887	-120.008	1/30/2019	5	5	2	5 day_req	0.668	6 daily
El Dorado	2018-2019	38.887	-120.008	1/31/2019	10	25	2	15 day_req	0.668	6 daily
El Dorado	2018-2019	38.891	-120.66	1/5/2019	16	16	1	16 day_req	NA	NA single_day
El Dorado	2018-2019	38.894	-120.628	12/4/2018	50	50	3	50 day_req	1	6 daily
El Dorado	2018-2019	38.894	-120.628	12/18/2018	20	20	3	70 day_req	1	6 daily
El Dorado	2018-2019	38.894	-120.628	1/2/2019	2	2	3	72 day_req	1	6 daily
El Dorado	2018-2019	38.894	-120.005	1/30/2019	5	5	6	5 seas_req	0.146	7 seasonal
El Dorado	2018-2019	38.894	-120.005	1/31/2019	10	25	6	15 seas_req	0.146	7 seasonal
El Dorado	2018-2019	38.894	-120.005	4/16/2019	0	5	6	15 seas_req	0.146	7 seasonal
El Dorado	2018-2019	38.894	-120.005	4/17/2019	10	10	6	25 seas_req	0.146	7 seasonal
El Dorado	2018-2019	38.894	-120.005	4/18/2019	10	15	6	35 seas_req	0.146	7 seasonal

El Dorado	2018-2019	38.894	-120.005	4/23/2019	0	10	6	35 seas_req	0.146	7 seasonal	
El Dorado	2018-2019	38.897	-120.039	10/11/2018	0	4	3	0 day_req	0.866	1 daily	
El Dorado	2018-2019	38.897	-120.039	10/13/2018	3	2	3	3 day_req	0.866	1 daily	
El Dorado	2018-2019	38.897	-120.039	10/14/2018	0	2	3	3 day_req	0.866	1 daily	
El Dorado	2018-2019	38.899	-120.646	10/15/2018	0	54.6	3	0 seas_req	0.076	7 seasonal	
El Dorado	2018-2019	38.899	-120.646	10/22/2018	52	54	3	52 seas_req	0.076	7 seasonal	
El Dorado	2018-2019	38.899	-120.646	11/26/2018	1	1	3	53 seas_req	0.076	7 seasonal	
El Dorado	2018-2019	38.9	-120.472	12/10/2018	0	20	4	0 seas_req	0.026	7 seasonal	
El Dorado	2018-2019	38.9	-120.472	12/11/2018	50	50	4	50 seas_req	0.026	7 seasonal	
El Dorado	2018-2019	38.9	-120.472	12/13/2018	0	16	4	50 seas_req	0.026	7 seasonal	
El Dorado	2018-2019	38.9	-120.472	12/14/2018	22	26	4	72 seas_req	0.026	7 seasonal	
El Dorado	2018-2019	38.901	-120.657	10/25/2018	8	10	1	8 day_req	NA	NA	single_day
El Dorado	2018-2019	38.902	-120.66	1/5/2019	0	9	1	0 day_req	NA	NA	single_day
El Dorado	2018-2019	38.906	-120.858	10/24/2018	25	25	1	25 day_req	NA	NA	single_day
El Dorado	2018-2019	38.908	-120.639	10/23/2018	36	38	1	36 day_req	NA	NA	single_day
El Dorado	2018-2019	38.908	-120.436	12/5/2018	0	50	7	0 seas_req	0.178	7 seasonal	
El Dorado	2018-2019	38.908	-120.436	12/7/2018	20	50	7	20 seas_req	0.178	7 seasonal	
El Dorado	2018-2019	38.908	-120.436	12/9/2018	20	20	7	40 seas_req	0.178	7 seasonal	
El Dorado	2018-2019	38.908	-120.436	12/10/2018	34	40	7	74 seas_req	0.178	7 seasonal	
El Dorado	2018-2019	38.908	-120.436	12/11/2018	17	30	7	91 seas_req	0.178	7 seasonal	
El Dorado	2018-2019	38.908	-120.436	12/13/2018	50	50	7	141 seas_req	0.178	7 seasonal	
El Dorado	2018-2019	38.908	-120.436	12/14/2018	12	15	7	153 seas_req	0.178	7 seasonal	
El Dorado	2018-2019	38.912	-121.018	3/7/2019	0	0.5	2	0 day_req	0.966	6 daily	
El Dorado	2018-2019	38.912	-121.018	3/13/2019	2	2	2	2 day_req	0.966	6 daily	
El Dorado	2018-2019	38.914	-120.376	5/6/2019	1	1	1	1 day_req	NA	NA	single_day
El Dorado	2018-2019	38.916	-120.509	11/27/2018	70	91	1	70 day_req	NA	NA	single_day
El Dorado	2018-2019	38.917	-120.668	11/27/2018	2	2	1	2 day_req	NA	NA	single_day
El Dorado	2018-2019	38.918	-120.665	11/2/2018	1	2	3	1 seas_req	0.126	7 seasonal	
El Dorado	2018-2019	38.918	-120.665	11/5/2018	1	1	3	2 seas_req	0.126	7 seasonal	
El Dorado	2018-2019	38.918	-120.665	11/20/2018	1	2	3	3 seas_req	0.126	7 seasonal	
El Dorado	2018-2019	38.918	-120.038	10/10/2018	0	78	1	0 day_req	NA	NA	single_day
El Dorado	2018-2019	38.92	-120.667	11/26/2018	1	1	3	1 day_req	1	6 daily	
El Dorado	2018-2019	38.92	-120.667	4/27/2019	15	15	3	16 day_req	1	6 daily	
El Dorado	2018-2019	38.92	-120.667	4/30/2019	5	5	3	21 day_req	1	6 daily	
El Dorado	2018-2019	38.92	-120.467	12/9/2018	8	10	5	8 day_req	0.788	6 daily	
El Dorado	2018-2019	38.92	-120.467	12/10/2018	35	35	5	43 day_req	0.788	6 daily	
El Dorado	2018-2019	38.92	-120.467	12/11/2018	30	30	5	73 day_req	0.788	6 daily	
El Dorado	2018-2019	38.92	-120.467	12/13/2018	0	32	5	73 day_req	0.788	6 daily	
El Dorado	2018-2019	38.92	-120.467	12/14/2018	35	40	5	108 day_req	0.788	6 daily	
El Dorado	2018-2019	38.922	-120.041	10/10/2018	0	62	3	0 seas_req	0.004	7 seasonal	

El Dorado	2018-2019	38.922	-120.041	10/11/2018	0	62	3	0 seas_req	0.004	7 seasonal	
El Dorado	2018-2019	38.922	-120.041	12/6/2018	0	32	3	0 seas_req	0.004	7 seasonal	
El Dorado	2018-2019	38.935	-120.98	11/28/2018	30	30	5	30 seas_req	0.148	2 seasonal	
El Dorado	2018-2019	38.935	-120.98	11/29/2018	0	60	5	30 seas_req	0.148	2 seasonal	
El Dorado	2018-2019	38.935	-120.98	12/6/2018	0	60	5	30 seas_req	0.148	2 seasonal	
El Dorado	2018-2019	38.935	-120.98	4/15/2019	50	10	5	80 seas_req	0.148	2 seasonal	
El Dorado	2018-2019	38.935	-120.98	5/15/2019	7	55	5	87 seas_req	0.148	2 seasonal	
El Dorado	2018-2019	38.938	-119.937	10/11/2018	24	76	15	24 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.938	-119.937	10/12/2018	0	5	15	24 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.938	-119.937	10/14/2018	0	5	15	24 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.938	-119.937	10/16/2018	0	5	15	24 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.938	-119.937	10/18/2018	0	5	15	24 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.938	-119.937	10/24/2018	3	3	15	27 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.938	-119.937	10/25/2018	3	3	15	30 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.938	-119.937	10/31/2018	1	1	15	31 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.938	-119.937	11/1/2018	1	1	15	32 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.938	-119.937	11/2/2018	1	1	15	33 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.938	-119.937	11/6/2018	0	2	15	33 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.938	-119.937	11/30/2018	5	5	15	38 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.938	-119.937	12/10/2018	0	1	15	38 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.938	-119.937	12/12/2018	0.5	3	15	38.5 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.938	-119.937	12/13/2018	1	1	15	39.5 seas_req	0.024	7 seasonal	
El Dorado	2018-2019	38.945	-120.853	1/5/2019	15	18	1	15 day_req	NA	NA	single_day
El Dorado	2018-2019	38.945	-120.789	3/19/2019	40	100	1	40 day_req	NA	NA	single_day
El Dorado	2018-2019	38.955	-120.385	12/20/2018	18	18	1	18 day_req	NA	NA	single_day
El Dorado	2018-2019	38.956	-120.931	3/15/2019	1	2	2	1 day_req	0.936	6 daily	
El Dorado	2018-2019	38.956	-120.931	5/23/2019	1	1	2	2 day_req	0.936	6 daily	
El Dorado	2018-2019	38.979	-120.796	1/5/2019	12	14	1	12 day_req	NA	NA	single_day
El Dorado	2018-2019	38.989	-120.1	1/9/2019	5	5	10	5 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.989	-120.1	1/15/2019	0	10	10	5 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.989	-120.1	1/16/2019	0	8	10	5 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.989	-120.1	1/18/2019	0	8	10	5 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.989	-120.1	1/24/2019	2.5	3	10	7.5 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.989	-120.1	1/25/2019	1	3	10	8.5 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.989	-120.1	1/30/2019	0	4	10	8.5 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.989	-120.1	1/31/2019	0	4	10	8.5 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.989	-120.1	2/1/2019	2	4	10	10.5 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.989	-120.1	4/30/2019	0.5	3	10	11 seas_req	0.004	2 seasonal	
El Dorado	2018-2019	38.995	-120.101	10/23/2018	0	65	1	0 day_req	NA	NA	single_day
El Dorado	2018-2019	39.018	-120.124	10/11/2018	0	6.2	8	0 seas_req	0.212	2 seasonal	

El Dorado	2018-2019	39.018	-120.124	10/12/2018	0	6.2	8	0 seas_req	0.212	2 seasonal	
El Dorado	2018-2019	39.018	-120.124	10/24/2018	2	2	8	2 seas_req	0.212	2 seasonal	
El Dorado	2018-2019	39.018	-120.124	10/25/2018	1	1	8	3 seas_req	0.212	2 seasonal	
El Dorado	2018-2019	39.018	-120.124	10/26/2018	1	1	8	4 seas_req	0.212	2 seasonal	
El Dorado	2018-2019	39.018	-120.124	10/31/2018	1	1	8	5 seas_req	0.212	2 seasonal	
El Dorado	2018-2019	39.018	-120.124	11/1/2018	1	1	8	6 seas_req	0.212	2 seasonal	
El Dorado	2018-2019	39.018	-120.124	11/2/2018	2	2	8	8 seas_req	0.212	2 seasonal	
El Dorado	2018-2019	39.037	-120.856	11/28/2018	0	30	3	0 seas_req	0.006	7 seasonal	
El Dorado	2018-2019	39.037	-120.856	12/10/2018	20	25	3	20 seas_req	0.006	7 seasonal	
El Dorado	2018-2019	39.037	-120.856	3/19/2019	0	10	3	20 seas_req	0.006	7 seasonal	
El Dorado	2018-2019	39.05	-120.12	12/4/2018	0.25	0.25	1	0.25 day_req	NA	NA	single_day
El Dorado	2018-2019	39.05	-120.115	1/8/2019	1	2	1	1 day_req	NA	NA	single_day
El Dorado	2018-2019	39.051	-120.144	10/17/2018	17	17	1	17 day_req	NA	NA	single_day
El Dorado	2018-2019	39.06	-120.118	11/5/2018	29	29	2	29 day_req	0.998	6 daily	
El Dorado	2018-2019	39.06	-120.118	11/6/2018	25	25	2	54 day_req	0.998	6 daily	
El Dorado	2018-2019	39.071	-120.835	12/10/2018	0	10	2	0 seas_req	0.014	2 seasonal	
El Dorado	2018-2019	39.071	-120.835	5/15/2019	5	5	2	5 seas_req	0.014	2 seasonal	
El Dorado	2018-2019	39.112	-120.826	12/10/2018	0	5	1	0 day_req	NA	NA	single_day
El Dorado	2019-2020	30.637	-120.458	9/30/2019	0	10	2	0 seas_req	0.03	9 seasonal	
El Dorado	2019-2020	30.637	-120.458	10/1/2019	4	30	2	4 seas_req	0.03	9 seasonal	
El Dorado	2019-2020	38.501	-120.548	4/27/2020	1	1	2	1 day_req	1	6 daily	
El Dorado	2019-2020	38.501	-120.548	4/28/2020	0	1	2	1 day_req	1	6 daily	
El Dorado	2019-2020	38.52	-120.545	12/17/2019	0	16	2	0 seas_req	0.008	2 seasonal	
El Dorado	2019-2020	38.52	-120.545	1/8/2020	3	3	2	3 seas_req	0.008	2 seasonal	
El Dorado	2019-2020	38.52	-120.524	12/17/2019	5	5	1	5 day_req	NA	NA	single_day
El Dorado	2019-2020	38.523	-120.554	12/17/2019	14	14	1	14 day_req	NA	NA	single_day
El Dorado	2019-2020	38.524	-120.537	12/17/2019	15	15	1	15 day_req	NA	NA	single_day
El Dorado	2019-2020	38.525	-120.509	12/17/2019	10	29	1	10 day_req	NA	NA	single_day
El Dorado	2019-2020	38.526	-120.511	12/3/2019	3	8	1	3 day_req	NA	NA	single_day
El Dorado	2019-2020	38.527	-120.51	12/17/2019	14	14	1	14 day_req	NA	NA	single_day
El Dorado	2019-2020	38.527	-120.506	12/17/2019	14	14	1	14 day_req	NA	NA	single_day
El Dorado	2019-2020	38.572	-120.67	1/30/2020	0.5	0.5	12	0.5 day_req	0.99	6 daily	
El Dorado	2019-2020	38.572	-120.67	1/31/2020	0.25	0.25	12	0.75 day_req	0.99	6 daily	
El Dorado	2019-2020	38.572	-120.67	2/1/2020	0	0.5	12	0.75 day_req	0.99	6 daily	
El Dorado	2019-2020	38.572	-120.67	2/2/2020	0	0.5	12	0.75 day_req	0.99	6 daily	
El Dorado	2019-2020	38.572	-120.67	2/6/2020	0.5	0.5	12	1.25 day_req	0.99	6 daily	
El Dorado	2019-2020	38.572	-120.67	2/7/2020	0.5	0.5	12	1.75 day_req	0.99	6 daily	
El Dorado	2019-2020	38.572	-120.67	2/8/2020	1	1	12	2.75 day_req	0.99	6 daily	
El Dorado	2019-2020	38.572	-120.67	2/15/2020	0.1	0.1	12	2.85 day_req	0.99	6 daily	
El Dorado	2019-2020	38.572	-120.67	2/16/2020	0.2	0.2	12	3.05 day_req	0.99	6 daily	

El Dorado	2019-2020	38.572	-120.67	3/19/2020	0.3	0.3	12	3.35 day_req	0.99	6 daily	
El Dorado	2019-2020	38.572	-120.67	3/20/2020	0.3	0.3	12	3.65 day_req	0.99	6 daily	
El Dorado	2019-2020	38.572	-120.67	3/29/2020	0.1	0.5	12	3.75 day_req	0.99	6 daily	
El Dorado	2019-2020	38.578	-120.565	12/3/2019	15	15	1	15 day_req	NA	NA	single_day
El Dorado	2019-2020	38.591	-120.377	12/10/2019	100	150	4	100 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.591	-120.377	12/11/2019	0	150	4	100 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.591	-120.377	1/8/2020	200	250	4	300 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.591	-120.377	1/9/2020	50	100	4	350 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.6	-120.317	12/4/2019	150	150	4	150 day_req	0.986	6 daily	
El Dorado	2019-2020	38.6	-120.317	1/14/2020	100	100	4	250 day_req	0.986	6 daily	
El Dorado	2019-2020	38.6	-120.317	1/15/2020	100	100	4	350 day_req	0.986	6 daily	
El Dorado	2019-2020	38.6	-120.317	1/28/2020	50	50	4	400 day_req	0.986	6 daily	
El Dorado	2019-2020	38.61	-120.504	12/6/2019	0	2	8	0 seas_req	0.006	2 seasonal	
El Dorado	2019-2020	38.61	-120.504	12/20/2019	0	5	8	0 seas_req	0.006	2 seasonal	
El Dorado	2019-2020	38.61	-120.504	12/31/2019	0.5	3	8	0.5 seas_req	0.006	2 seasonal	
El Dorado	2019-2020	38.61	-120.504	1/1/2020	0.5	2	8	1 seas_req	0.006	2 seasonal	
El Dorado	2019-2020	38.61	-120.504	5/1/2020	1	2	8	2 seas_req	0.006	2 seasonal	
El Dorado	2019-2020	38.61	-120.504	5/5/2020	1.5	2	8	3.5 seas_req	0.006	2 seasonal	
El Dorado	2019-2020	38.61	-120.504	5/12/2020	1.25	5	8	4.75 seas_req	0.006	2 seasonal	
El Dorado	2019-2020	38.61	-120.504	5/13/2020	1.25	2	8	6 seas_req	0.006	2 seasonal	
El Dorado	2019-2020	38.611	-120.504	12/6/2019	0	5	7	0 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.611	-120.504	12/31/2019	2	40	7	2 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.611	-120.504	1/1/2020	1.5	18	7	3.5 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.611	-120.504	4/29/2020	1.75	2	7	5.25 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.611	-120.504	4/30/2020	1	3	7	6.25 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.611	-120.504	5/1/2020	2	2	7	8.25 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.611	-120.504	5/5/2020	1.5	3	7	9.75 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.612	-120.593	12/16/2019	0	1	2	0 day_req	1	6 daily	
El Dorado	2019-2020	38.612	-120.593	12/19/2019	1	1	2	1 day_req	1	6 daily	
El Dorado	2019-2020	38.614	-120.592	12/27/2019	1	1	1	1 day_req	NA	NA	single_day
El Dorado	2019-2020	38.619	-120.237	11/26/2019	0	500	5	0 seas_req	0.366	8 seasonal	
El Dorado	2019-2020	38.619	-120.237	11/27/2019	0	500	5	0 seas_req	0.366	8 seasonal	
El Dorado	2019-2020	38.619	-120.237	12/2/2019	200	200	5	200 seas_req	0.366	8 seasonal	
El Dorado	2019-2020	38.619	-120.237	12/16/2019	150	200	5	350 seas_req	0.366	8 seasonal	
El Dorado	2019-2020	38.619	-120.237	12/17/2019	150	200	5	500 seas_req	0.366	8 seasonal	
El Dorado	2019-2020	38.637	-120.491	1/7/2020	5	20	4	5 day_req	0.968	6 daily	
El Dorado	2019-2020	38.637	-120.491	1/8/2020	5	20	4	10 day_req	0.968	6 daily	
El Dorado	2019-2020	38.637	-120.491	1/15/2020	5	5	4	15 day_req	0.968	6 daily	
El Dorado	2019-2020	38.637	-120.491	2/6/2020	20	20	4	35 day_req	0.968	6 daily	
El Dorado	2019-2020	38.637	-120.458	10/2/2019	10	10	1	10 day_req	NA	NA	single_day

El Dorado	2019-2020	38.642	-120.501	1/27/2020	5	5	1	5 day_req	NA	NA	single_day
El Dorado	2019-2020	38.666	-120.972	2/3/2020	0.5	2	22	0.5 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	2/7/2020	0.5	2	22	1 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	2/10/2020	0.5	2	22	1.5 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	2/11/2020	0.5	2	22	2 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	2/12/2020	0.5	2	22	2.5 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	2/13/2020	0.5	2	22	3 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	2/14/2020	0.5	2	22	3.5 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	3/16/2020	0.5	1	22	4 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	3/17/2020	0.5	1	22	4.5 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	3/18/2020	0.5	2	22	5 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	3/19/2020	0.5	1	22	5.5 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	3/20/2020	0.5	1	22	6 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	3/23/2020	0.5	2	22	6.5 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	3/24/2020	0.5	2	22	7 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	3/26/2020	0	1	22	7 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	3/27/2020	0.5	1	22	7.5 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	3/30/2020	0.5	1	22	8 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	3/31/2020	0	1	22	8 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	4/2/2020	0.1	0.5	22	8.1 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	4/3/2020	0.6	1	22	8.7 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	4/9/2020	0.5	0.5	22	9.2 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.666	-120.972	4/10/2020	0	0.5	22	9.2 seas_req	0.044		7 seasonal
El Dorado	2019-2020	38.705	-120.177	10/9/2019	100	100	2	100 day_req	0.998		6 daily
El Dorado	2019-2020	38.705	-120.177	10/10/2019	65	65	2	165 day_req	0.998		6 daily
El Dorado	2019-2020	38.708	-120.17	10/3/2019	30	30	7	30 day_req	0.986		6 daily
El Dorado	2019-2020	38.708	-120.17	10/4/2019	100	100	7	130 day_req	0.986		6 daily
El Dorado	2019-2020	38.708	-120.17	10/6/2019	75	75	7	205 day_req	0.986		6 daily
El Dorado	2019-2020	38.708	-120.17	10/7/2019	50	50	7	255 day_req	0.986		6 daily
El Dorado	2019-2020	38.708	-120.17	10/8/2019	50	50	7	305 day_req	0.986		6 daily
El Dorado	2019-2020	38.708	-120.17	10/9/2019	100	100	7	405 day_req	0.986		6 daily
El Dorado	2019-2020	38.708	-120.17	10/10/2019	60	60	7	465 day_req	0.986		6 daily
El Dorado	2019-2020	38.713	-120.447	12/14/2019	10	10	1	10 day_req	NA	NA	single_day
El Dorado	2019-2020	38.715	-120.563	10/3/2019	9	35	19	9 seas_req	0.076		7 seasonal
El Dorado	2019-2020	38.715	-120.563	10/4/2019	9	35	19	18 seas_req	0.076		7 seasonal
El Dorado	2019-2020	38.715	-120.563	10/5/2019	0	35	19	18 seas_req	0.076		7 seasonal
El Dorado	2019-2020	38.715	-120.563	10/6/2019	0	35	19	18 seas_req	0.076		7 seasonal
El Dorado	2019-2020	38.715	-120.563	10/7/2019	0	35	19	18 seas_req	0.076		7 seasonal
El Dorado	2019-2020	38.715	-120.563	10/15/2019	0	20	19	18 seas_req	0.076		7 seasonal
El Dorado	2019-2020	38.715	-120.563	10/16/2019	0	20	19	18 seas_req	0.076		7 seasonal

El Dorado	2019-2020	38.715	-120.563	10/17/2019	0	20	19	18 seas_req	0.076	7 seasonal
El Dorado	2019-2020	38.715	-120.563	10/18/2019	0	20	19	18 seas_req	0.076	7 seasonal
El Dorado	2019-2020	38.715	-120.563	11/18/2019	8.2	25	19	26.2 seas_req	0.076	7 seasonal
El Dorado	2019-2020	38.715	-120.563	11/19/2019	0	25	19	26.2 seas_req	0.076	7 seasonal
El Dorado	2019-2020	38.715	-120.563	11/20/2019	0	25	19	26.2 seas_req	0.076	7 seasonal
El Dorado	2019-2020	38.715	-120.563	11/22/2019	28.2	15	19	54.4 seas_req	0.076	7 seasonal
El Dorado	2019-2020	38.715	-120.563	1/31/2020	15	20	19	69.4 seas_req	0.076	7 seasonal
El Dorado	2019-2020	38.715	-120.563	2/11/2020	20	50	19	89.4 seas_req	0.076	7 seasonal
El Dorado	2019-2020	38.715	-120.563	2/20/2020	20	32	19	109.4 seas_req	0.076	7 seasonal
El Dorado	2019-2020	38.715	-120.563	2/21/2020	20	32	19	129.4 seas_req	0.076	7 seasonal
El Dorado	2019-2020	38.715	-120.563	3/3/2020	62	75	19	191.4 seas_req	0.076	7 seasonal
El Dorado	2019-2020	38.715	-120.563	4/29/2020	4	20	19	195.4 seas_req	0.076	7 seasonal
El Dorado	2019-2020	38.716	-120.536	12/14/2019	3	3	1	3 day_req	NA	NA single_day
El Dorado	2019-2020	38.717	-120.219	9/30/2019	15	25	2	15 day_req	0.962	6 daily
El Dorado	2019-2020	38.717	-120.219	10/1/2019	10	10	2	25 day_req	0.962	6 daily
El Dorado	2019-2020	38.723	-120.218	10/9/2019	100	100	2	100 day_req	0.998	6 daily
El Dorado	2019-2020	38.723	-120.218	10/10/2019	60	60	2	160 day_req	0.998	6 daily
El Dorado	2019-2020	38.724	-120.567	12/2/2019	1	1	12	1 day_req	0.988	6 daily
El Dorado	2019-2020	38.724	-120.567	12/5/2019	1.25	1.25	12	2.25 day_req	0.988	6 daily
El Dorado	2019-2020	38.724	-120.567	1/8/2020	0.25	0.25	12	2.5 day_req	0.988	6 daily
El Dorado	2019-2020	38.724	-120.567	1/25/2020	0	1	12	2.5 day_req	0.988	6 daily
El Dorado	2019-2020	38.724	-120.567	3/10/2020	0	2	12	2.5 day_req	0.988	6 daily
El Dorado	2019-2020	38.724	-120.567	3/11/2020	0	1	12	2.5 day_req	0.988	6 daily
El Dorado	2019-2020	38.724	-120.567	4/4/2020	1	1	12	3.5 day_req	0.988	6 daily
El Dorado	2019-2020	38.724	-120.567	4/9/2020	0.5	0.5	12	4 day_req	0.988	6 daily
El Dorado	2019-2020	38.724	-120.567	4/17/2020	1	1	12	5 day_req	0.988	6 daily
El Dorado	2019-2020	38.724	-120.567	4/18/2020	1	1	12	6 day_req	0.988	6 daily
El Dorado	2019-2020	38.724	-120.567	4/22/2020	0	0.5	12	6 day_req	0.988	6 daily
El Dorado	2019-2020	38.724	-120.567	5/12/2020	0	1	12	6 day_req	0.988	6 daily
El Dorado	2019-2020	38.725	-120.142	7/1/2019	0	30	3	0 day_req	0.966	6 daily
El Dorado	2019-2020	38.725	-120.142	10/9/2019	200	200	3	200 day_req	0.966	6 daily
El Dorado	2019-2020	38.725	-120.142	10/10/2019	65	65	3	265 day_req	0.966	6 daily
El Dorado	2019-2020	38.745	-120.547	12/14/2019	23	23	1	23 day_req	NA	NA single_day
El Dorado	2019-2020	38.761	-120.884	7/11/2019	64	80	11	64 seas_req	0.346	1 seasonal
El Dorado	2019-2020	38.761	-120.884	11/26/2019	0	36	11	64 seas_req	0.346	1 seasonal
El Dorado	2019-2020	38.761	-120.884	12/13/2019	5	10	11	69 seas_req	0.346	1 seasonal
El Dorado	2019-2020	38.761	-120.884	12/14/2019	15	10	11	84 seas_req	0.346	1 seasonal
El Dorado	2019-2020	38.761	-120.884	3/12/2020	0	40	11	84 seas_req	0.346	1 seasonal
El Dorado	2019-2020	38.761	-120.884	3/13/2020	40	40	11	124 seas_req	0.346	1 seasonal
El Dorado	2019-2020	38.761	-120.884	6/5/2020	0	1	11	124 seas_req	0.346	1 seasonal



El Dorado	2019-2020	38.761	-120.884	6/6/2020	0	4	11	124 seas_req	0.346	1 seasonal	
El Dorado	2019-2020	38.761	-120.884	6/13/2020	0	40	11	124 seas_req	0.346	1 seasonal	
El Dorado	2019-2020	38.761	-120.884	6/16/2020	32	30	11	156 seas_req	0.346	1 seasonal	
El Dorado	2019-2020	38.761	-120.884	6/17/2020	0	30	11	156 seas_req	0.346	1 seasonal	
El Dorado	2019-2020	38.761	-120.52	10/1/2019	2	1	2	2 day_req	0.922	1 daily	
El Dorado	2019-2020	38.761	-120.52	12/3/2019	2	3	2	4 day_req	0.922	1 daily	
El Dorado	2019-2020	38.765	-120.349	1/27/2020	0	50	4	0 seas_req	0.002	2 seasonal	
El Dorado	2019-2020	38.765	-120.349	1/29/2020	2	20	4	2 seas_req	0.002	2 seasonal	
El Dorado	2019-2020	38.765	-120.349	1/30/2020	10	10	4	12 seas_req	0.002	2 seasonal	
El Dorado	2019-2020	38.765	-120.349	2/4/2020	10	10	4	22 seas_req	0.002	2 seasonal	
El Dorado	2019-2020	38.773	-120.512	12/3/2019	0	25	13	0 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.773	-120.512	1/13/2020	15	50	13	15 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.773	-120.512	1/14/2020	7	30	13	22 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.773	-120.512	1/15/2020	0	15	13	22 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.773	-120.512	1/16/2020	0	15	13	22 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.773	-120.512	1/23/2020	20	20	13	42 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.773	-120.512	1/27/2020	0	5	13	42 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.773	-120.512	1/29/2020	5	10	13	47 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.773	-120.512	1/30/2020	4	10	13	51 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.773	-120.512	2/3/2020	0	25	13	51 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.773	-120.512	2/4/2020	0	25	13	51 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.773	-120.512	2/5/2020	7	25	13	58 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.773	-120.512	2/6/2020	0	25	13	58 seas_req	0.004	7 seasonal	
El Dorado	2019-2020	38.784	-120.433	12/15/2019	10	10	2	10 day_req	0.996	6 daily	
El Dorado	2019-2020	38.784	-120.433	3/18/2020	2	2	2	12 day_req	0.996	6 daily	
El Dorado	2019-2020	38.789	-120.201	1/9/2020	0	27	4	0 seas_req	0.002	2 seasonal	
El Dorado	2019-2020	38.789	-120.201	1/10/2020	0	27	4	0 seas_req	0.002	2 seasonal	
El Dorado	2019-2020	38.789	-120.201	1/14/2020	0	25	4	0 seas_req	0.002	2 seasonal	
El Dorado	2019-2020	38.789	-120.201	2/5/2020	20	20	4	20 seas_req	0.002	2 seasonal	
El Dorado	2019-2020	38.79	-120.018	2/28/2020	10	10	1	10 day_req	NA	NA	single_day
El Dorado	2019-2020	38.8	-120.433	1/21/2020	0	10	1	0 day_req	NA	NA	single_day
El Dorado	2019-2020	38.8	-120.147	1/7/2020	1	47	6	1 seas_req	0.006	7 seasonal	
El Dorado	2019-2020	38.8	-120.147	1/8/2020	23	46	6	24 seas_req	0.006	7 seasonal	
El Dorado	2019-2020	38.8	-120.147	1/9/2020	0	23	6	24 seas_req	0.006	7 seasonal	
El Dorado	2019-2020	38.8	-120.147	1/10/2020	9	23	6	33 seas_req	0.006	7 seasonal	
El Dorado	2019-2020	38.8	-120.147	2/7/2020	0	3	6	33 seas_req	0.006	7 seasonal	
El Dorado	2019-2020	38.8	-120.147	3/4/2020	14	14	6	47 seas_req	0.006	7 seasonal	
El Dorado	2019-2020	38.801	-120.622	2/5/2020	0	100	2	0 seas_req	0	2 seasonal	
El Dorado	2019-2020	38.801	-120.622	3/10/2020	50	50	2	50 seas_req	0	2 seasonal	
El Dorado	2019-2020	38.804	-120.462	3/5/2020	150	150	2	150 day_req	0.9	6 daily	

El Dorado	2019-2020	38.804	-120.462	3/6/2020	0	66	2	150 day_req	0.9	6 daily	
El Dorado	2019-2020	38.805	-120.596	1/7/2020	100	100	3	100 day_req	1	6 daily	
El Dorado	2019-2020	38.805	-120.596	1/8/2020	45	45	3	145 day_req	1	6 daily	
El Dorado	2019-2020	38.805	-120.596	3/11/2020	50	50	3	195 day_req	1	6 daily	
El Dorado	2019-2020	38.807	-120.124	1/15/2020	50	50	5	50 day_req	0.954	6 daily	
El Dorado	2019-2020	38.807	-120.124	1/27/2020	0	47	5	50 day_req	0.954	6 daily	
El Dorado	2019-2020	38.807	-120.124	2/24/2020	15	15	5	65 day_req	0.954	6 daily	
El Dorado	2019-2020	38.807	-120.124	2/25/2020	15	15	5	80 day_req	0.954	6 daily	
El Dorado	2019-2020	38.807	-120.124	3/3/2020	25	25	5	105 day_req	0.954	6 daily	
El Dorado	2019-2020	38.812	-120.361	12/11/2019	35	60	1	35 day_req	NA	NA	single_day
El Dorado	2019-2020	38.812	-120.089	2/18/2020	0	15	1	0 day_req	NA	NA	single_day
El Dorado	2019-2020	38.815	-120.022	3/14/2020	0	35	1	0 day_req	NA	NA	single_day
El Dorado	2019-2020	38.82	-120.073	2/18/2020	0	5	2	0 seas_req	0	7 seasonal	
El Dorado	2019-2020	38.82	-120.073	2/24/2020	0	5	2	0 seas_req	0	7 seasonal	
El Dorado	2019-2020	38.824	-120.61	12/12/2019	0	40	5	0 seas_req	0	7 seasonal	
El Dorado	2019-2020	38.824	-120.61	12/16/2019	0	40	5	0 seas_req	0	7 seasonal	
El Dorado	2019-2020	38.824	-120.61	1/9/2020	0	50	5	0 seas_req	0	7 seasonal	
El Dorado	2019-2020	38.824	-120.61	2/4/2020	0	57	5	0 seas_req	0	7 seasonal	
El Dorado	2019-2020	38.824	-120.61	2/5/2020	55	55	5	55 seas_req	0	7 seasonal	
El Dorado	2019-2020	38.824	-120.525	1/8/2020	15	50	5	15 seas_req	0	7 seasonal	
El Dorado	2019-2020	38.824	-120.525	2/3/2020	0	25	5	15 seas_req	0	7 seasonal	
El Dorado	2019-2020	38.824	-120.525	2/4/2020	0	25	5	15 seas_req	0	7 seasonal	
El Dorado	2019-2020	38.824	-120.525	2/5/2020	13	25	5	28 seas_req	0	7 seasonal	
El Dorado	2019-2020	38.824	-120.525	2/6/2020	0	25	5	28 seas_req	0	7 seasonal	
El Dorado	2019-2020	38.83	-120.46	12/11/2019	7	7	1	7 day_req	NA	NA	single_day
El Dorado	2019-2020	38.832	-120.57	1/9/2020	0	50	2	0 seas_req	0	7 seasonal	
El Dorado	2019-2020	38.832	-120.57	2/4/2020	0	56	2	0 seas_req	0	7 seasonal	
El Dorado	2019-2020	38.834	-120.651	12/21/2019	0	11	2	0 day_req	0.998	6 daily	
El Dorado	2019-2020	38.834	-120.651	3/6/2020	11	11	2	11 day_req	0.998	6 daily	
El Dorado	2019-2020	38.834	-120.364	10/1/2019	0	1	1	0 day_req	NA	NA	single_day
El Dorado	2019-2020	38.835	-120.571	2/4/2020	0	15	2	0 seas_req	0.002	7 seasonal	
El Dorado	2019-2020	38.835	-120.571	2/5/2020	0	15	2	0 seas_req	0.002	7 seasonal	
El Dorado	2019-2020	38.839	-120.553	12/11/2019	10	50	1	10 day_req	NA	NA	single_day
El Dorado	2019-2020	38.84	-120.04	3/11/2020	10	10	3	10 day_req	1	6 daily	
El Dorado	2019-2020	38.84	-120.04	3/12/2020	20	20	3	30 day_req	1	6 daily	
El Dorado	2019-2020	38.84	-120.04	3/13/2020	20	20	3	50 day_req	1	6 daily	
El Dorado	2019-2020	38.841	-120.9	12/13/2019	15	30	13	15 seas_req	0.036	2 seasonal	
El Dorado	2019-2020	38.841	-120.9	12/14/2019	15	30	13	30 seas_req	0.036	2 seasonal	
El Dorado	2019-2020	38.841	-120.9	12/20/2019	7	30	13	37 seas_req	0.036	2 seasonal	
El Dorado	2019-2020	38.841	-120.9	12/21/2019	0	30	13	37 seas_req	0.036	2 seasonal	

El Dorado	2019-2020	38.841	-120.9	1/15/2020	0	50	13	37 seas_req	0.036	2 seasonal	
El Dorado	2019-2020	38.841	-120.9	1/16/2020	3	3	13	40 seas_req	0.036	2 seasonal	
El Dorado	2019-2020	38.841	-120.9	1/17/2020	3	3	13	43 seas_req	0.036	2 seasonal	
El Dorado	2019-2020	38.841	-120.9	1/18/2020	3	3	13	46 seas_req	0.036	2 seasonal	
El Dorado	2019-2020	38.841	-120.9	2/14/2020	5	5	13	51 seas_req	0.036	2 seasonal	
El Dorado	2019-2020	38.841	-120.9	2/15/2020	5	5	13	56 seas_req	0.036	2 seasonal	
El Dorado	2019-2020	38.841	-120.9	4/15/2020	6	5	13	62 seas_req	0.036	2 seasonal	
El Dorado	2019-2020	38.841	-120.9	4/16/2020	14	25	13	76 seas_req	0.036	2 seasonal	
El Dorado	2019-2020	38.841	-120.9	5/18/2020	0	5	13	76 seas_req	0.036	2 seasonal	
El Dorado	2019-2020	38.841	-120.467	3/6/2020	30	30	1	30 day_req	NA	NA	single_day
El Dorado	2019-2020	38.841	-120.356	12/10/2019	15	21	1	15 day_req	NA	NA	single_day
El Dorado	2019-2020	38.841	-120.041	3/11/2020	9	9	1	9 day_req	NA	NA	single_day
El Dorado	2019-2020	38.843	-120.635	12/5/2019	57	30	1	57 day_req	NA	NA	single_day
El Dorado	2019-2020	38.847	-119.997	2/24/2020	10	10	2	10 day_req	0.992	6 daily	
El Dorado	2019-2020	38.847	-119.997	2/25/2020	10	10	2	20 day_req	0.992	6 daily	
El Dorado	2019-2020	38.848	-120.954	12/16/2019	0	33	3	0 day_req	0.976	6 daily	
El Dorado	2019-2020	38.848	-120.954	12/17/2019	33	33	3	33 day_req	0.976	6 daily	
El Dorado	2019-2020	38.848	-120.954	1/9/2020	33	33	3	66 day_req	0.976	6 daily	
El Dorado	2019-2020	38.848	-120.581	3/4/2020	40	40	2	40 day_req	0.998	6 daily	
El Dorado	2019-2020	38.848	-120.581	3/6/2020	10	10	2	50 day_req	0.998	6 daily	
El Dorado	2019-2020	38.848	-120.039	12/5/2019	4	12	5	4 seas_req	0.166	2 seasonal	
El Dorado	2019-2020	38.848	-120.039	12/6/2019	0	12	5	4 seas_req	0.166	2 seasonal	
El Dorado	2019-2020	38.848	-120.039	1/8/2020	0	1	5	4 seas_req	0.166	2 seasonal	
El Dorado	2019-2020	38.848	-120.039	1/15/2020	8	8	5	12 seas_req	0.166	2 seasonal	
El Dorado	2019-2020	38.848	-120.039	1/16/2020	8	8	5	20 seas_req	0.166	2 seasonal	
El Dorado	2019-2020	38.848	-120.004	2/25/2020	10	10	1	10 day_req	NA	NA	single_day
El Dorado	2019-2020	38.848	-119.992	12/1/2019	3	5	5	3 seas_req	0.084	7 seasonal	
El Dorado	2019-2020	38.848	-119.992	12/2/2019	3	5	5	6 seas_req	0.084	7 seasonal	
El Dorado	2019-2020	38.848	-119.992	12/3/2019	16	20	5	22 seas_req	0.084	7 seasonal	
El Dorado	2019-2020	38.848	-119.992	12/4/2019	1	5	5	23 seas_req	0.084	7 seasonal	
El Dorado	2019-2020	38.848	-119.992	2/25/2020	15	15	5	38 seas_req	0.084	7 seasonal	
El Dorado	2019-2020	38.85	-120.672	12/21/2019	0	11	1	0 day_req	NA	NA	single_day
El Dorado	2019-2020	38.85	-120.038	12/5/2019	4	5	2	4 day_req	0.996	6 daily	
El Dorado	2019-2020	38.85	-120.038	1/15/2020	12	12	2	16 day_req	0.996	6 daily	
El Dorado	2019-2020	38.85	-119.999	2/26/2020	10	10	1	10 day_req	NA	NA	single_day
El Dorado	2019-2020	38.851	-119.993	2/26/2020	10	10	6	10 day_req	0.986	6 daily	
El Dorado	2019-2020	38.851	-119.993	2/27/2020	0	10	6	10 day_req	0.986	6 daily	
El Dorado	2019-2020	38.851	-119.993	2/28/2020	30	30	6	40 day_req	0.986	6 daily	
El Dorado	2019-2020	38.851	-119.993	3/2/2020	30	30	6	70 day_req	0.986	6 daily	
El Dorado	2019-2020	38.851	-119.993	3/3/2020	10	10	6	80 day_req	0.986	6 daily	

El Dorado	2019-2020	38.851	-119.993	3/4/2020	10	10	6	90 day_req	0.986	6 daily	
El Dorado	2019-2020	38.854	-120.375	9/30/2019	0	1	2	0 day_req	0.998	6 daily	
El Dorado	2019-2020	38.854	-120.375	10/2/2019	1	1	2	1 day_req	0.998	6 daily	
El Dorado	2019-2020	38.856	-120.993	12/17/2019	1	1	6	1 seas_req	0.014	2 seasonal	
El Dorado	2019-2020	38.856	-120.993	12/18/2019	1	1	6	2 seas_req	0.014	2 seasonal	
El Dorado	2019-2020	38.856	-120.993	12/20/2019	0	10	6	2 seas_req	0.014	2 seasonal	
El Dorado	2019-2020	38.856	-120.993	12/21/2019	0	10	6	2 seas_req	0.014	2 seasonal	
El Dorado	2019-2020	38.856	-120.993	1/7/2020	0	5	6	2 seas_req	0.014	2 seasonal	
El Dorado	2019-2020	38.856	-120.993	1/8/2020	0.5	5	6	2.5 seas_req	0.014	2 seasonal	
El Dorado	2019-2020	38.857	-120.633	12/10/2019	1	15	3	1 seas_req	0.018	2 seasonal	
El Dorado	2019-2020	38.857	-120.633	12/12/2019	10	15	3	11 seas_req	0.018	2 seasonal	
El Dorado	2019-2020	38.857	-120.633	12/13/2019	10	10	3	21 seas_req	0.018	2 seasonal	
El Dorado	2019-2020	38.859	-120.545	1/7/2020	40	40	1	40 day_req	NA	NA	single_day
El Dorado	2019-2020	38.86	-120.457	3/6/2020	30	30	1	30 day_req	NA	NA	single_day
El Dorado	2019-2020	38.861	-120.549	1/7/2020	54	54	1	54 day_req	NA	NA	single_day
El Dorado	2019-2020	38.862	-120.623	3/6/2020	4	4	1	4 day_req	NA	NA	single_day
El Dorado	2019-2020	38.864	-120.51	2/14/2020	50	50	8	50 day_req	0.998	6 daily	
El Dorado	2019-2020	38.864	-120.51	2/17/2020	0	20	8	50 day_req	0.998	6 daily	
El Dorado	2019-2020	38.864	-120.51	2/19/2020	40	40	8	90 day_req	0.998	6 daily	
El Dorado	2019-2020	38.864	-120.51	2/20/2020	30	30	8	120 day_req	0.998	6 daily	
El Dorado	2019-2020	38.864	-120.51	2/21/2020	30	30	8	150 day_req	0.998	6 daily	
El Dorado	2019-2020	38.864	-120.51	2/26/2020	25	25	8	175 day_req	0.998	6 daily	
El Dorado	2019-2020	38.864	-120.51	2/27/2020	20	20	8	195 day_req	0.998	6 daily	
El Dorado	2019-2020	38.864	-120.51	2/28/2020	5	5	8	200 day_req	0.998	6 daily	
El Dorado	2019-2020	38.865	-120.761	8/15/2019	32	40	2	32 day_req	0.99	6 daily	
El Dorado	2019-2020	38.865	-120.761	2/13/2020	20	20	2	52 day_req	0.99	6 daily	
El Dorado	2019-2020	38.865	-120.558	1/8/2020	10	35	2	10 seas_req	0.034	2 seasonal	
El Dorado	2019-2020	38.865	-120.558	2/12/2020	25	25	2	35 seas_req	0.034	2 seasonal	
El Dorado	2019-2020	38.868	-120.565	1/8/2020	0	40	5	0 day_req	0.858	6 daily	
El Dorado	2019-2020	38.868	-120.565	2/12/2020	40	40	5	40 day_req	0.858	6 daily	
El Dorado	2019-2020	38.868	-120.565	2/28/2020	40	40	5	80 day_req	0.858	6 daily	
El Dorado	2019-2020	38.868	-120.565	3/4/2020	40	40	5	120 day_req	0.858	6 daily	
El Dorado	2019-2020	38.868	-120.565	3/6/2020	25	25	5	145 day_req	0.858	6 daily	
El Dorado	2019-2020	38.869	-120.53	2/20/2020	0	3	5	0 day_req	0.682	2 daily	
El Dorado	2019-2020	38.869	-120.53	2/21/2020	3	3	5	3 day_req	0.682	2 daily	
El Dorado	2019-2020	38.869	-120.53	2/26/2020	0	3	5	3 day_req	0.682	2 daily	
El Dorado	2019-2020	38.869	-120.53	2/27/2020	3	3	5	6 day_req	0.682	2 daily	
El Dorado	2019-2020	38.869	-120.53	2/28/2020	2	2	5	8 day_req	0.682	2 daily	
El Dorado	2019-2020	38.873	-120.632	12/10/2019	30	45	4	30 seas_req	0.104	7 seasonal	
El Dorado	2019-2020	38.873	-120.632	12/12/2019	30	44	4	60 seas_req	0.104	7 seasonal	

El Dorado	2019-2020	38.873	-120.632	12/13/2019	11	11	4	71 seas_req	0.104	7 seasonal
El Dorado	2019-2020	38.873	-120.632	12/21/2019	2	3	4	73 seas_req	0.104	7 seasonal
El Dorado	2019-2020	38.874	-120.491	12/17/2019	0	10	3	0 seas_req	0.02	7 seasonal
El Dorado	2019-2020	38.874	-120.491	12/18/2019	5	10	3	5 seas_req	0.02	7 seasonal
El Dorado	2019-2020	38.874	-120.491	12/19/2019	15	15	3	20 seas_req	0.02	7 seasonal
El Dorado	2019-2020	38.874	-120.025	12/16/2019	0.5	2	2	0.5 seas_req	0.004	7 seasonal
El Dorado	2019-2020	38.874	-120.025	12/17/2019	0.2	1	2	0.7 seas_req	0.004	7 seasonal
El Dorado	2019-2020	38.877	-120.593	1/8/2020	0	43	3	0 seas_req	0.034	2 seasonal
El Dorado	2019-2020	38.877	-120.593	2/12/2020	20	20	3	20 seas_req	0.034	2 seasonal
El Dorado	2019-2020	38.877	-120.593	2/13/2020	23	23	3	43 seas_req	0.034	2 seasonal
El Dorado	2019-2020	38.878	-121.034	12/5/2019	0	2	2	0 seas_req	0.074	2 seasonal
El Dorado	2019-2020	38.878	-121.034	12/17/2019	0.25	0.25	2	0.25 seas_req	0.074	2 seasonal
El Dorado	2019-2020	38.882	-120.832	5/15/2020	0.1	10	2	0.1 seas_req	0	7 seasonal
El Dorado	2019-2020	38.882	-120.832	5/16/2020	0	10	2	0.1 seas_req	0	7 seasonal
El Dorado	2019-2020	38.882	-120.56	2/17/2020	0	9	2	0 day_req	0.998	6 daily
El Dorado	2019-2020	38.882	-120.56	2/18/2020	9	9	2	9 day_req	0.998	6 daily
El Dorado	2019-2020	38.882	-120.545	12/16/2019	10	60	6	10 day_req	0.928	6 daily
El Dorado	2019-2020	38.882	-120.545	1/7/2020	35	35	6	45 day_req	0.928	6 daily
El Dorado	2019-2020	38.882	-120.545	1/8/2020	75	75	6	120 day_req	0.928	6 daily
El Dorado	2019-2020	38.882	-120.545	2/12/2020	30	30	6	150 day_req	0.928	6 daily
El Dorado	2019-2020	38.882	-120.545	2/13/2020	40	40	6	190 day_req	0.928	6 daily
El Dorado	2019-2020	38.882	-120.545	3/6/2020	10	10	6	200 day_req	0.928	6 daily
El Dorado	2019-2020	38.885	-120.506	1/8/2020	0	31	3	0 seas_req	0	7 seasonal
El Dorado	2019-2020	38.885	-120.506	2/13/2020	0	31	3	0 seas_req	0	7 seasonal
El Dorado	2019-2020	38.885	-120.506	2/14/2020	31	31	3	31 seas_req	0	7 seasonal
El Dorado	2019-2020	38.888	-120.644	2/20/2020	11	11	1	11 day_req	NA	NA single_day
El Dorado	2019-2020	38.889	-120.534	1/8/2020	0	5	7	0 day_req	0.958	6 daily
El Dorado	2019-2020	38.889	-120.534	2/13/2020	80	80	7	80 day_req	0.958	6 daily
El Dorado	2019-2020	38.889	-120.534	2/14/2020	80	80	7	160 day_req	0.958	6 daily
El Dorado	2019-2020	38.889	-120.534	2/17/2020	0	30	7	160 day_req	0.958	6 daily
El Dorado	2019-2020	38.889	-120.534	2/18/2020	30	30	7	190 day_req	0.958	6 daily
El Dorado	2019-2020	38.889	-120.534	3/4/2020	10	10	7	200 day_req	0.958	6 daily
El Dorado	2019-2020	38.889	-120.534	3/6/2020	5	5	7	205 day_req	0.958	6 daily
El Dorado	2019-2020	38.89	-120.647	1/7/2020	5	5	2	5 day_req	0.994	6 daily
El Dorado	2019-2020	38.89	-120.647	3/14/2020	3	3	2	8 day_req	0.994	6 daily
El Dorado	2019-2020	38.893	-120.544	2/13/2020	20	20	4	20 day_req	0.954	6 daily
El Dorado	2019-2020	38.893	-120.544	2/17/2020	0	90	4	20 day_req	0.954	6 daily
El Dorado	2019-2020	38.893	-120.544	2/18/2020	80	80	4	100 day_req	0.954	6 daily
El Dorado	2019-2020	38.893	-120.544	2/19/2020	83	83	4	183 day_req	0.954	6 daily
El Dorado	2019-2020	38.896	-120.644	2/25/2020	15	15	1	15 day_req	NA	NA single_day

El Dorado	2019-2020	38.901	-120.658	2/12/2020	8	8	1	8 day_req	NA	NA	single_day
El Dorado	2019-2020	38.902	-120.674	12/21/2019	3	4	1	3 day_req	NA	NA	single_day
El Dorado	2019-2020	38.902	-120.66	2/16/2020	17.6	17.6	1	17.6 day_req	NA	NA	single_day
El Dorado	2019-2020	38.902	-120.624	12/11/2019	10	35	4	10 seas_req	0.006		7 seasonal
El Dorado	2019-2020	38.902	-120.624	12/12/2019	5	25	4	15 seas_req	0.006		7 seasonal
El Dorado	2019-2020	38.902	-120.624	12/13/2019	17	20	4	32 seas_req	0.006		7 seasonal
El Dorado	2019-2020	38.902	-120.624	12/21/2019	0	1	4	32 seas_req	0.006		7 seasonal
El Dorado	2019-2020	38.903	-120.775	2/26/2020	90	90	1	90 day_req	NA	NA	single_day
El Dorado	2019-2020	38.903	-120.642	2/26/2020	20	20	1	20 day_req	NA	NA	single_day
El Dorado	2019-2020	38.904	-120.658	1/7/2020	2	4	3	2 seas_req	0.018		7 seasonal
El Dorado	2019-2020	38.904	-120.658	2/7/2020	0	10	3	2 seas_req	0.018		7 seasonal
El Dorado	2019-2020	38.904	-120.658	2/11/2020	10	10	3	12 seas_req	0.018		7 seasonal
El Dorado	2019-2020	38.904	-120.644	3/14/2020	0	1	1	0 day_req	NA	NA	single_day
El Dorado	2019-2020	38.905	-120.656	12/5/2019	8	10	2	8 seas_req	0.136		7 seasonal
El Dorado	2019-2020	38.905	-120.656	3/14/2020	3	4	2	11 seas_req	0.136		7 seasonal
El Dorado	2019-2020	38.906	-120.858	10/31/2019	0	35	4	0 seas_req	0		7 seasonal
El Dorado	2019-2020	38.906	-120.858	11/1/2019	0	35	4	0 seas_req	0		7 seasonal
El Dorado	2019-2020	38.906	-120.858	11/2/2019	0	35	4	0 seas_req	0		7 seasonal
El Dorado	2019-2020	38.906	-120.858	11/3/2019	0	35	4	0 seas_req	0		7 seasonal
El Dorado	2019-2020	38.907	-120.668	2/21/2020	7	7	3	7 day_req	0.97		6 daily
El Dorado	2019-2020	38.907	-120.668	2/22/2020	5	5	3	12 day_req	0.97		6 daily
El Dorado	2019-2020	38.907	-120.668	4/29/2020	0	1	3	12 day_req	0.97		6 daily
El Dorado	2019-2020	38.907	-120.642	12/5/2019	0	5	3	0 seas_req	0.056		7 seasonal
El Dorado	2019-2020	38.907	-120.642	12/6/2019	5	5	3	5 seas_req	0.056		7 seasonal
El Dorado	2019-2020	38.907	-120.642	1/7/2020	0	3	3	5 seas_req	0.056		7 seasonal
El Dorado	2019-2020	38.907	-120.507	2/14/2020	20	20	9	20 day_req	0.996		6 daily
El Dorado	2019-2020	38.907	-120.507	2/17/2020	0	20	9	20 day_req	0.996		6 daily
El Dorado	2019-2020	38.907	-120.507	2/18/2020	20	20	9	40 day_req	0.996		6 daily
El Dorado	2019-2020	38.907	-120.507	2/19/2020	20	20	9	60 day_req	0.996		6 daily
El Dorado	2019-2020	38.907	-120.507	2/20/2020	20	20	9	80 day_req	0.996		6 daily
El Dorado	2019-2020	38.907	-120.507	2/21/2020	20	20	9	100 day_req	0.996		6 daily
El Dorado	2019-2020	38.907	-120.507	2/26/2020	0	10	9	100 day_req	0.996		6 daily
El Dorado	2019-2020	38.907	-120.507	2/27/2020	10	10	9	110 day_req	0.996		6 daily
El Dorado	2019-2020	38.907	-120.507	2/28/2020	0	10	9	110 day_req	0.996		6 daily
El Dorado	2019-2020	38.909	-120.591	12/13/2019	0	15	4	0 day_req	0.718		6 daily
El Dorado	2019-2020	38.909	-120.591	12/16/2019	20	43	4	20 day_req	0.718		6 daily
El Dorado	2019-2020	38.909	-120.591	3/4/2020	20	20	4	40 day_req	0.718		6 daily
El Dorado	2019-2020	38.909	-120.591	3/6/2020	6	6	4	46 day_req	0.718		6 daily
El Dorado	2019-2020	38.91	-120.67	2/13/2020	7	7	2	7 day_req	1		6 daily
El Dorado	2019-2020	38.91	-120.67	2/24/2020	7	7	2	14 day_req	1		6 daily

El Dorado	2019-2020	38.91	-120.668	11/13/2019	18	18	1	18 day_req	NA	NA	single_day
El Dorado	2019-2020	38.91	-120.511	12/16/2019	0	80	4	0 seas_req		0.088	2 seasonal
El Dorado	2019-2020	38.91	-120.511	3/3/2020	50	50	4	50 seas_req		0.088	2 seasonal
El Dorado	2019-2020	38.91	-120.511	3/4/2020	20	20	4	70 seas_req		0.088	2 seasonal
El Dorado	2019-2020	38.91	-120.511	3/6/2020	20	20	4	90 seas_req		0.088	2 seasonal
El Dorado	2019-2020	38.912	-120.035	1/9/2020	0	20	1	0 day_req	NA	NA	single_day
El Dorado	2019-2020	38.913	-120.669	11/13/2019	1	4	8	1 seas_req		0.062	2 seasonal
El Dorado	2019-2020	38.913	-120.669	2/18/2020	12	12	8	13 seas_req		0.062	2 seasonal
El Dorado	2019-2020	38.913	-120.669	2/19/2020	0	10	8	13 seas_req		0.062	2 seasonal
El Dorado	2019-2020	38.913	-120.669	3/2/2020	0	15	8	13 seas_req		0.062	2 seasonal
El Dorado	2019-2020	38.913	-120.669	4/28/2020	1	1	8	14 seas_req		0.062	2 seasonal
El Dorado	2019-2020	38.913	-120.669	4/30/2020	0	2	8	14 seas_req		0.062	2 seasonal
El Dorado	2019-2020	38.913	-120.669	5/1/2020	3	3	8	17 seas_req		0.062	2 seasonal
El Dorado	2019-2020	38.913	-120.669	5/11/2020	5	3	8	22 seas_req		0.062	2 seasonal
El Dorado	2019-2020	38.914	-120.46	12/17/2019	50	100	4	50 seas_req		0.096	7 seasonal
El Dorado	2019-2020	38.914	-120.46	12/18/2019	15	25	4	65 seas_req		0.096	7 seasonal
El Dorado	2019-2020	38.914	-120.46	12/19/2019	10	15	4	75 seas_req		0.096	7 seasonal
El Dorado	2019-2020	38.914	-120.46	12/20/2019	14	14	4	89 seas_req		0.096	7 seasonal
El Dorado	2019-2020	38.914	-120.376	11/27/2019	0	10	1	0 day_req	NA	NA	single_day
El Dorado	2019-2020	38.915	-121.007	12/23/2019	0	0.25	4	0 seas_req		0.014	7 seasonal
El Dorado	2019-2020	38.915	-121.007	12/24/2019	0.25	0.25	4	0.25 seas_req		0.014	7 seasonal
El Dorado	2019-2020	38.915	-121.007	12/30/2019	0.25	0.5	4	0.5 seas_req		0.014	7 seasonal
El Dorado	2019-2020	38.915	-121.007	12/31/2019	0	0.25	4	0.5 seas_req		0.014	7 seasonal
El Dorado	2019-2020	38.916	-120.655	12/6/2019	0	5	3	0 seas_req		0	7 seasonal
El Dorado	2019-2020	38.916	-120.655	1/3/2020	2	7	3	2 seas_req		0	7 seasonal
El Dorado	2019-2020	38.916	-120.655	2/4/2020	0	4	3	2 seas_req		0	7 seasonal
El Dorado	2019-2020	38.918	-120.756	9/17/2019	3	3	1	3 day_req	NA	NA	single_day
El Dorado	2019-2020	38.918	-120.664	11/13/2019	4.5	4.5	1	4.5 day_req	NA	NA	single_day
El Dorado	2019-2020	38.918	-120.384	1/7/2020	0	1	1	0 day_req	NA	NA	single_day
El Dorado	2019-2020	38.918	-120.038	1/8/2020	1	1	5	1 day_req		0.982	6 daily
El Dorado	2019-2020	38.918	-120.038	1/9/2020	0	30	5	1 day_req		0.982	6 daily
El Dorado	2019-2020	38.918	-120.038	1/10/2020	50	50	5	51 day_req		0.982	6 daily
El Dorado	2019-2020	38.918	-120.038	1/13/2020	10	10	5	61 day_req		0.982	6 daily
El Dorado	2019-2020	38.918	-120.038	1/15/2020	20	20	5	81 day_req		0.982	6 daily
El Dorado	2019-2020	38.92	-120.694	3/18/2020	0	2	2	0 day_req		0.998	6 daily
El Dorado	2019-2020	38.92	-120.694	3/19/2020	2	2	2	2 day_req		0.998	6 daily
El Dorado	2019-2020	38.922	-120.041	1/9/2020	5	5	1	5 day_req	NA	NA	single_day
El Dorado	2019-2020	38.932	-120.085	3/16/2020	0	4	2	0 seas_req		0	7 seasonal
El Dorado	2019-2020	38.932	-120.085	3/17/2020	0	4	2	0 seas_req		0	7 seasonal
El Dorado	2019-2020	38.947	-120.468	12/20/2019	48	49	2	48 day_req		1	6 daily

El Dorado	2019-2020	38.947	-120.468	3/6/2020	1	1	2	49 day_req	1	6 daily	
El Dorado	2019-2020	38.956	-120.931	12/9/2019	0.05	1	17	0.05 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	12/19/2019	0.75	0.75	17	0.8 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	12/20/2019	0.25	0.25	17	1.05 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	1/9/2020	0.1	0.1	17	1.15 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	1/15/2020	0.1	0.1	17	1.25 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	1/17/2020	0.1	0.1	17	1.35 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	1/22/2020	0.05	0.1	17	1.4 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	1/29/2020	0.2	0.2	17	1.6 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	1/30/2020	0.1	0.1	17	1.7 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	1/31/2020	0.1	0.1	17	1.8 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	3/18/2020	0	0.1	17	1.8 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	4/2/2020	0.05	0.1	17	1.85 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	4/3/2020	0.05	0.1	17	1.9 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	4/4/2020	0.05	0.1	17	1.95 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	4/8/2020	0.05	0.1	17	2 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	4/9/2020	0.05	0.1	17	2.05 day_req	0.956	6 daily	
El Dorado	2019-2020	38.956	-120.931	4/11/2020	0.05	0.15	17	2.1 day_req	0.956	6 daily	
El Dorado	2019-2020	38.988	-120.394	1/7/2020	15	100	1	15 day_req	NA	NA	single_day
El Dorado	2019-2020	38.989	-120.1	12/2/2019	0	2	3	0 seas_req	0.014	7 seasonal	
El Dorado	2019-2020	38.989	-120.1	12/3/2019	2.6	3	3	2.6 seas_req	0.014	7 seasonal	
El Dorado	2019-2020	38.989	-120.1	12/4/2019	3.1	4	3	5.7 seas_req	0.014	7 seasonal	
El Dorado	2019-2020	38.996	-120.439	12/2/2019	0	100	3	0 seas_req	0	2 seasonal	
El Dorado	2019-2020	38.996	-120.439	1/13/2020	0	30	3	0 seas_req	0	2 seasonal	
El Dorado	2019-2020	38.996	-120.439	2/12/2020	50	50	3	50 seas_req	0	2 seasonal	
El Dorado	2019-2020	39.05	-120.115	12/5/2019	2.1	4	7	2.1 day_req	0.952	6 daily	
El Dorado	2019-2020	39.05	-120.115	1/8/2020	1.1	2	7	3.2 day_req	0.952	6 daily	
El Dorado	2019-2020	39.05	-120.115	1/9/2020	0	0.5	7	3.2 day_req	0.952	6 daily	
El Dorado	2019-2020	39.05	-120.115	2/12/2020	0.5	0.5	7	3.7 day_req	0.952	6 daily	
El Dorado	2019-2020	39.05	-120.115	2/13/2020	0.2	0.2	7	3.9 day_req	0.952	6 daily	
El Dorado	2019-2020	39.05	-120.115	3/3/2020	1	1	7	4.9 day_req	0.952	6 daily	
El Dorado	2019-2020	39.05	-120.115	3/4/2020	0.1	0.1	7	5 day_req	0.952	6 daily	
El Dorado	2019-2020	39.051	-120.127	12/2/2019	2.1	3	5	2.1 day_req	0.968	6 daily	
El Dorado	2019-2020	39.051	-120.127	12/3/2019	3	3	5	5.1 day_req	0.968	6 daily	
El Dorado	2019-2020	39.051	-120.127	12/4/2019	4	4	5	9.1 day_req	0.968	6 daily	
El Dorado	2019-2020	39.051	-120.127	12/5/2019	1	4	5	10.1 day_req	0.968	6 daily	
El Dorado	2019-2020	39.051	-120.127	12/6/2019	0.3	2	5	10.4 day_req	0.968	6 daily	
El Dorado	2019-2020	39.055	-120.126	11/21/2019	2	3	6	2 seas_req	0.064	7 seasonal	
El Dorado	2019-2020	39.055	-120.126	11/22/2019	0.5	1	6	2.5 seas_req	0.064	7 seasonal	
El Dorado	2019-2020	39.055	-120.126	12/9/2019	1.5	2	6	4 seas_req	0.064	7 seasonal	



El Dorado	2019-2020	39.055	-120.126	12/10/2019	3	3	6	7 seas_req	0.064	7 seasonal
El Dorado	2019-2020	39.055	-120.126	12/11/2019	3	3	6	10 seas_req	0.064	7 seasonal
El Dorado	2019-2020	39.055	-120.126	12/12/2019	0.3	3	6	10.3 seas_req	0.064	7 seasonal
El Dorado	2019-2020	39.057	-120.124	5/11/2020	0	4	3	0 seas_req	0	7 seasonal
El Dorado	2019-2020	39.057	-120.124	5/14/2020	0	4	3	0 seas_req	0	7 seasonal
El Dorado	2019-2020	39.057	-120.124	6/2/2020	0	4	3	0 seas_req	0	7 seasonal
El Dorado	2019-2020	39.071	-120.835	12/4/2019	0	5	2	0 day_req	0.976	6 daily
El Dorado	2019-2020	39.071	-120.835	12/5/2019	7	7	2	7 day_req	0.976	6 daily
El Dorado	2019-2020	39.112	-120.826	12/4/2019	0	2	2	0 day_req	0.996	6 daily
El Dorado	2019-2020	39.112	-120.826	12/5/2019	2	2	2	2 day_req	0.996	6 daily
El Dorado	2020-2021	38.518	-120.52	12/30/2020	0	17	3	0 seas_req	0.002	7 seasonal
El Dorado	2020-2021	38.518	-120.52	1/1/2021	0	17	3	0 seas_req	0.002	7 seasonal
El Dorado	2020-2021	38.518	-120.52	1/3/2021	17	17	3	17 seas_req	0.002	7 seasonal
El Dorado	2020-2021	38.524	-120.613	12/31/2020	0	20	3	0 seas_req	0	2 seasonal
El Dorado	2020-2021	38.524	-120.613	1/1/2021	0	19	3	0 seas_req	0	2 seasonal
El Dorado	2020-2021	38.524	-120.613	1/3/2021	5	15	3	5 seas_req	0	2 seasonal
El Dorado	2020-2021	38.532	-120.439	12/16/2020	0	5	7	0 seas_req	0.41	2 uncertain
El Dorado	2020-2021	38.532	-120.439	12/27/2020	0	10	7	0 seas_req	0.41	2 uncertain
El Dorado	2020-2021	38.532	-120.439	12/29/2020	5	5	7	5 seas_req	0.41	2 uncertain
El Dorado	2020-2021	38.532	-120.439	12/30/2020	5	5	7	10 seas_req	0.41	2 uncertain
El Dorado	2020-2021	38.532	-120.439	12/31/2020	6	10	7	16 seas_req	0.41	2 uncertain
El Dorado	2020-2021	38.532	-120.439	1/1/2021	0	4	7	16 seas_req	0.41	2 uncertain
El Dorado	2020-2021	38.532	-120.439	1/3/2021	4	4	7	20 seas_req	0.41	2 uncertain
El Dorado	2020-2021	38.569	-120.774	11/23/2020	0.5	0.5	35	0.5 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	11/24/2020	0	2	35	0.5 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	11/25/2020	0.5	2	35	1 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	11/26/2020	2	2	35	3 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	11/27/2020	0	2	35	3 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	11/28/2020	0	2	35	3 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	11/30/2020	0	1	35	3 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	12/1/2020	1	2	35	4 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	12/2/2020	0	0.5	35	4 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	12/4/2020	2	2	35	6 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	12/5/2020	2	2	35	8 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	12/11/2020	2	4	35	10 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	12/15/2020	0	2	35	10 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	12/21/2020	2	2	35	12 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	12/22/2020	2	2	35	14 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	12/23/2020	2	2	35	16 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	12/29/2020	0	2	35	16 day_req	0.976	3 daily

El Dorado	2020-2021	38.569	-120.774	12/30/2020	2	2	35	18 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	12/31/2020	2	2	35	20 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	1/9/2021	2	2	35	22 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	1/10/2021	0	2	35	22 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	1/11/2021	0.5	2	35	22.5 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	1/14/2021	2	2	35	24.5 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	1/15/2021	2	2	35	26.5 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	1/16/2021	0.5	2	35	27 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	1/25/2021	0.5	2	35	27.5 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	1/26/2021	2.5	3	35	30 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	2/4/2021	2	2	35	32 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	2/5/2021	2	2	35	34 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	2/6/2021	1	1	35	35 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	2/8/2021	1	2	35	36 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	2/10/2021	2	2	35	38 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	2/11/2021	2	2	35	40 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	3/4/2021	0.5	1	35	40.5 day_req	0.976	3 daily
El Dorado	2020-2021	38.569	-120.774	3/5/2021	1.5	1.5	35	42 day_req	0.976	3 daily
El Dorado	2020-2021	38.61	-120.504	11/30/2020	3	5	2	3 seas_req	0.124	7 seasonal
El Dorado	2020-2021	38.61	-120.504	4/5/2021	1	3	2	4 seas_req	0.124	7 seasonal
El Dorado	2020-2021	38.614	-120.592	12/2/2020	0.25	2	1	0.25 day_req	NA	NA single_day
El Dorado	2020-2021	38.666	-120.972	12/7/2020	0	3	6	0 seas_req	0.194	2 seasonal
El Dorado	2020-2021	38.666	-120.972	3/1/2021	1	1	6	1 seas_req	0.194	2 seasonal
El Dorado	2020-2021	38.666	-120.972	3/2/2021	1	1	6	2 seas_req	0.194	2 seasonal
El Dorado	2020-2021	38.666	-120.972	3/3/2021	1	1	6	3 seas_req	0.194	2 seasonal
El Dorado	2020-2021	38.666	-120.972	3/4/2021	1	1	6	4 seas_req	0.194	2 seasonal
El Dorado	2020-2021	38.666	-120.972	3/5/2021	1	1	6	5 seas_req	0.194	2 seasonal
El Dorado	2020-2021	38.703	-120.404	12/30/2020	15	22	4	15 seas_req	0.062	7 seasonal
El Dorado	2020-2021	38.703	-120.404	12/31/2020	4	7	4	19 seas_req	0.062	7 seasonal
El Dorado	2020-2021	38.703	-120.404	1/3/2021	2	3	4	21 seas_req	0.062	7 seasonal
El Dorado	2020-2021	38.703	-120.404	1/4/2021	1	1	4	22 seas_req	0.062	7 seasonal
El Dorado	2020-2021	38.715	-120.563	11/10/2020	0	10	8	0 day_req	0.746	1 daily
El Dorado	2020-2021	38.715	-120.563	11/11/2020	0	10	8	0 day_req	0.746	1 daily
El Dorado	2020-2021	38.715	-120.563	12/6/2020	0	40	8	0 day_req	0.746	1 daily
El Dorado	2020-2021	38.715	-120.563	12/9/2020	0	25	8	0 day_req	0.746	1 daily
El Dorado	2020-2021	38.715	-120.563	12/10/2020	0	60	8	0 day_req	0.746	1 daily
El Dorado	2020-2021	38.715	-120.563	4/15/2021	0	70	8	0 day_req	0.746	1 daily
El Dorado	2020-2021	38.715	-120.563	4/16/2021	30	37	8	30 day_req	0.746	1 daily
El Dorado	2020-2021	38.715	-120.563	4/22/2021	25	22	8	55 day_req	0.746	1 daily
El Dorado	2020-2021	38.718	-120.563	12/11/2020	0.5	3	3	0.5 seas_req	0	7 seasonal

El Dorado	2020-2021	38.718	-120.563	12/14/2020	0	1	3	0.5 seas_req	0	7 seasonal	
El Dorado	2020-2021	38.718	-120.563	4/8/2021	0	3	3	0.5 seas_req	0	7 seasonal	
El Dorado	2020-2021	38.719	-120.424	12/31/2020	12	16	2	12 day_req	1	6 daily	
El Dorado	2020-2021	38.719	-120.424	1/3/2021	4	4	2	16 day_req	1	6 daily	
El Dorado	2020-2021	38.722	-120.415	12/31/2020	0	6.2	1	0 day_req	NA	NA	single_day
El Dorado	2020-2021	38.724	-120.567	12/17/2020	1	1	16	1 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	1/4/2021	1	0.5	16	2 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	1/5/2021	1	1	16	3 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	1/6/2021	1	1	16	4 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	1/8/2021	1	1	16	5 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	1/9/2021	0.25	0.5	16	5.25 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	1/14/2021	0.25	0.25	16	5.5 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	1/27/2021	0.25	0.5	16	5.75 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	1/28/2021	0.5	0.5	16	6.25 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	2/3/2021	0.25	0.25	16	6.5 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	2/4/2021	0.25	0.25	16	6.75 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	2/15/2021	0.75	2	16	7.5 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	2/16/2021	0.25	0.25	16	7.75 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	2/18/2021	0.25	0.25	16	8 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	2/23/2021	0.25	0.25	16	8.25 day_req	0.986	6 daily	
El Dorado	2020-2021	38.724	-120.567	3/18/2021	0.25	0.25	16	8.5 day_req	0.986	6 daily	
El Dorado	2020-2021	38.742	-120.415	12/31/2020	10	10	1	10 day_req	NA	NA	single_day
El Dorado	2020-2021	38.759	-120.47	12/30/2020	0	21	2	0 day_req	0.992	6 daily	
El Dorado	2020-2021	38.759	-120.47	1/3/2021	21	21	2	21 day_req	0.992	6 daily	
El Dorado	2020-2021	38.761	-120.884	7/2/2020	53	100	1	53 day_req	NA	NA	single_day
El Dorado	2020-2021	38.761	-120.004	1/23/2021	10	2.5	1	10 day_req	NA	NA	single_day
El Dorado	2020-2021	38.766	-120.012	1/23/2021	0	70	3	0 day_req	0.922	1 daily	
El Dorado	2020-2021	38.766	-120.012	1/24/2021	69	48	3	69 day_req	0.922	1 daily	
El Dorado	2020-2021	38.766	-120.012	1/25/2021	23	15	3	92 day_req	0.922	1 daily	
El Dorado	2020-2021	38.792	-119.952	3/2/2021	10	2	1	10 day_req	NA	NA	single_day
El Dorado	2020-2021	38.797	-119.983	3/11/2021	0	10	1	0 day_req	NA	NA	single_day
El Dorado	2020-2021	38.797	-119.982	3/4/2021	13	25	2	13 seas_req	0.008	7 seasonal	
El Dorado	2020-2021	38.797	-119.982	3/8/2021	0	5	2	13 seas_req	0.008	7 seasonal	
El Dorado	2020-2021	38.797	-119.979	3/3/2021	10	3	1	10 day_req	NA	NA	single_day
El Dorado	2020-2021	38.813	-120.363	12/15/2020	40	88.8	2	40 seas_req	0.006	7 seasonal	
El Dorado	2020-2021	38.813	-120.363	12/16/2020	20	48.8	2	60 seas_req	0.006	7 seasonal	
El Dorado	2020-2021	38.826	-120.029	1/25/2021	15	15	2	15 day_req	1	6 daily	
El Dorado	2020-2021	38.826	-120.029	1/26/2021	15	15	2	30 day_req	1	6 daily	
El Dorado	2020-2021	38.841	-120.345	12/15/2020	3	3	1	3 day_req	NA	NA	single_day
El Dorado	2020-2021	38.856	-120.467	1/1/2021	20	39.6	1	20 day_req	NA	NA	single_day

El Dorado	2020-2021	38.863	-120.924	6/8/2021	50	60	3	50 day_req	1	6 daily	
El Dorado	2020-2021	38.863	-120.924	6/14/2021	50	50	3	100 day_req	1	6 daily	
El Dorado	2020-2021	38.863	-120.924	6/15/2021	50	50	3	150 day_req	1	6 daily	
El Dorado	2020-2021	38.87	-120.378	12/29/2020	14	14	2	14 day_req	1	6 daily	
El Dorado	2020-2021	38.87	-120.378	12/30/2020	9	9	2	23 day_req	1	6 daily	
El Dorado	2020-2021	38.876	-120.646	1/22/2021	120	120	1	120 day_req	NA	NA	single_day
El Dorado	2020-2021	38.879	-120.494	1/1/2021	10	30	2	10 seas_req	0.008	7 seasonal	
El Dorado	2020-2021	38.879	-120.494	1/2/2021	5	10	2	15 seas_req	0.008	7 seasonal	
El Dorado	2020-2021	38.881	-120.644	12/8/2020	0	15	2	0 day_req	0.998	6 daily	
El Dorado	2020-2021	38.881	-120.644	12/9/2020	15	15	2	15 day_req	0.998	6 daily	
El Dorado	2020-2021	38.882	-120.832	11/20/2020	1	1	4	1 day_req	0.952	6 daily	
El Dorado	2020-2021	38.882	-120.832	1/7/2021	1	2	4	2 day_req	0.952	6 daily	
El Dorado	2020-2021	38.882	-120.832	1/9/2021	1	1	4	3 day_req	0.952	6 daily	
El Dorado	2020-2021	38.882	-120.832	2/5/2021	0.6	1	4	3.6 day_req	0.952	6 daily	
El Dorado	2020-2021	38.887	-120.008	1/19/2021	0	5	1	0 day_req	NA	NA	single_day
El Dorado	2020-2021	38.887	-120.007	1/22/2021	3	5	3	3 seas_req	0.23	2 seasonal	
El Dorado	2020-2021	38.887	-120.007	1/25/2021	15	10	3	18 seas_req	0.23	2 seasonal	
El Dorado	2020-2021	38.887	-120.007	3/2/2021	2	30	3	20 seas_req	0.23	2 seasonal	
El Dorado	2020-2021	38.893	-120.648	1/24/2021	130	130	1	130 day_req	NA	NA	single_day
El Dorado	2020-2021	38.893	-120.395	12/29/2020	8	8	1	8 day_req	NA	NA	single_day
El Dorado	2020-2021	38.894	-120.654	12/10/2020	20	20	1	20 day_req	NA	NA	single_day
El Dorado	2020-2021	38.894	-120.005	1/19/2021	0	5	2	0 seas_req	0.006	7 seasonal	
El Dorado	2020-2021	38.894	-120.005	1/20/2021	0	10	2	0 seas_req	0.006	7 seasonal	
El Dorado	2020-2021	38.897	-120.611	12/30/2020	0	5	3	0 seas_req	0.002	7 seasonal	
El Dorado	2020-2021	38.897	-120.611	1/1/2021	6	8	3	6 seas_req	0.002	7 seasonal	
El Dorado	2020-2021	38.897	-120.611	1/4/2021	5	5	3	11 seas_req	0.002	7 seasonal	
El Dorado	2020-2021	38.897	-120.005	1/22/2021	17	10	4	17 day_req	0.992	1 daily	
El Dorado	2020-2021	38.897	-120.005	1/23/2021	16	10	4	33 day_req	0.992	1 daily	
El Dorado	2020-2021	38.897	-120.005	1/25/2021	15	10	4	48 day_req	0.992	1 daily	
El Dorado	2020-2021	38.897	-120.005	1/26/2021	15	20	4	63 day_req	0.992	1 daily	
El Dorado	2020-2021	38.898	-120.516	12/16/2020	50	50	2	50 day_req	0.998	6 daily	
El Dorado	2020-2021	38.898	-120.516	1/2/2021	5	5	2	55 day_req	0.998	6 daily	
El Dorado	2020-2021	38.9	-120.64	1/24/2021	27	27	1	27 day_req	NA	NA	single_day
El Dorado	2020-2021	38.901	-120.657	1/24/2021	25	25	1	25 day_req	NA	NA	single_day
El Dorado	2020-2021	38.901	-120.642	1/20/2021	0	20	3	0 day_req	0.688	1 daily	
El Dorado	2020-2021	38.901	-120.642	1/21/2021	0	20	3	0 day_req	0.688	1 daily	
El Dorado	2020-2021	38.901	-120.642	4/2/2021	20	15	3	20 day_req	0.688	1 daily	
El Dorado	2020-2021	38.906	-120.858	12/9/2020	0	40	1	0 day_req	NA	NA	single_day
El Dorado	2020-2021	38.907	-120.674	12/6/2020	5	10	2	5 seas_req	0	7 seasonal	
El Dorado	2020-2021	38.907	-120.674	12/7/2020	0	10	2	5 seas_req	0	7 seasonal	

El Dorado	2020-2021	38.907	-120.668	12/11/2020	2	10	6	2 seas_req	0.024	7 seasonal
El Dorado	2020-2021	38.907	-120.668	1/21/2021	0	7	6	2 seas_req	0.024	7 seasonal
El Dorado	2020-2021	38.907	-120.668	4/8/2021	15	9	6	17 seas_req	0.024	7 seasonal
El Dorado	2020-2021	38.907	-120.668	4/12/2021	8	20	6	25 seas_req	0.024	7 seasonal
El Dorado	2020-2021	38.907	-120.668	4/19/2021	8	8	6	33 seas_req	0.024	7 seasonal
El Dorado	2020-2021	38.907	-120.668	5/1/2021	3	6	6	36 seas_req	0.024	7 seasonal
El Dorado	2020-2021	38.908	-119.987	12/14/2020	5	5	2	5 day_req	0.962	6 daily
El Dorado	2020-2021	38.908	-119.987	12/15/2020	5	5	2	10 day_req	0.962	6 daily
El Dorado	2020-2021	38.909	-120.513	12/16/2020	50	50	2	50 day_req	1	6 daily
El Dorado	2020-2021	38.909	-120.513	12/30/2020	40	40	2	90 day_req	1	6 daily
El Dorado	2020-2021	38.912	-121.018	12/16/2020	0.25	1	1	0.25 day_req	NA	NA single_day
El Dorado	2020-2021	38.917	-120.657	4/20/2021	15	25	4	15 day_req	0.954	1 daily
El Dorado	2020-2021	38.917	-120.657	4/21/2021	32	30	4	47 day_req	0.954	1 daily
El Dorado	2020-2021	38.917	-120.657	4/22/2021	15	16	4	62 day_req	0.954	1 daily
El Dorado	2020-2021	38.917	-120.657	4/23/2021	20	15	4	82 day_req	0.954	1 daily
El Dorado	2020-2021	38.918	-120.045	1/13/2021	0	5	2	0 day_req	0.994	6 daily
El Dorado	2020-2021	38.918	-120.045	1/14/2021	5	5	2	5 day_req	0.994	6 daily
El Dorado	2020-2021	38.922	-120.459	1/1/2021	1	1	1	1 day_req	NA	NA single_day
El Dorado	2020-2021	38.922	-120.041	1/15/2021	5	2	3	5 day_req	0.974	1 daily
El Dorado	2020-2021	38.922	-120.041	1/19/2021	0	5	3	5 day_req	0.974	1 daily
El Dorado	2020-2021	38.922	-120.041	1/20/2021	0	5	3	5 day_req	0.974	1 daily
El Dorado	2020-2021	38.927	-120.418	1/1/2021	0	6	2	0 day_req	0.984	6 daily
El Dorado	2020-2021	38.927	-120.418	1/2/2021	8.2	8.2	2	8.2 day_req	0.984	6 daily
El Dorado	2020-2021	38.927	-120.046	2/3/2021	5	5	1	5 day_req	NA	NA single_day
El Dorado	2020-2021	38.929	-120.054	2/3/2021	2.5	5	1	2.5 day_req	NA	NA single_day
El Dorado	2020-2021	38.929	-120.044	2/3/2021	5	5	1	5 day_req	NA	NA single_day
El Dorado	2020-2021	38.932	-120.085	2/4/2021	5	24	1	5 day_req	NA	NA single_day
El Dorado	2020-2021	38.933	-120.072	1/26/2021	5.4	5.4	1	5.4 day_req	NA	NA single_day
El Dorado	2020-2021	38.934	-120.384	12/29/2020	13	13	1	13 day_req	NA	NA single_day
El Dorado	2020-2021	38.938	-119.937	1/15/2021	2	2	4	2 day_req	0.956	6 daily
El Dorado	2020-2021	38.938	-119.937	1/19/2021	2	2	4	4 day_req	0.956	6 daily
El Dorado	2020-2021	38.938	-119.937	1/20/2021	0	2	4	4 day_req	0.956	6 daily
El Dorado	2020-2021	38.938	-119.937	1/21/2021	0	2	4	4 day_req	0.956	6 daily
El Dorado	2020-2021	38.942	-119.944	1/12/2021	5	2	9	5 day_req	0.98	1 daily
El Dorado	2020-2021	38.942	-119.944	1/13/2021	2	2	9	7 day_req	0.98	1 daily
El Dorado	2020-2021	38.942	-119.944	1/14/2021	2	2	9	9 day_req	0.98	1 daily
El Dorado	2020-2021	38.942	-119.944	2/23/2021	24	4	9	33 day_req	0.98	1 daily
El Dorado	2020-2021	38.942	-119.944	2/25/2021	4	10	9	37 day_req	0.98	1 daily
El Dorado	2020-2021	38.942	-119.944	2/26/2021	10	10	9	47 day_req	0.98	1 daily
El Dorado	2020-2021	38.942	-119.944	2/27/2021	10	10	9	57 day_req	0.98	1 daily

El Dorado	2020-2021	38.942	-119.944	3/17/2021	16	4	9	73 day_req	0.98	1 daily
El Dorado	2020-2021	38.942	-119.944	3/18/2021	16	2	9	89 day_req	0.98	1 daily
El Dorado	2020-2021	38.952	-120.468	1/1/2021	2	2	1	2 day_req	NA	NA single_day
El Dorado	2020-2021	38.953	-119.935	1/26/2021	7	10	10	7 day_req	0.946	6 daily
El Dorado	2020-2021	38.953	-119.935	1/27/2021	4	10	10	11 day_req	0.946	6 daily
El Dorado	2020-2021	38.953	-119.935	2/11/2021	5	5	10	16 day_req	0.946	6 daily
El Dorado	2020-2021	38.953	-119.935	3/9/2021	5	5	10	21 day_req	0.946	6 daily
El Dorado	2020-2021	38.953	-119.935	3/10/2021	5	5	10	26 day_req	0.946	6 daily
El Dorado	2020-2021	38.953	-119.935	3/11/2021	0	5	10	26 day_req	0.946	6 daily
El Dorado	2020-2021	38.953	-119.935	3/17/2021	2	5	10	28 day_req	0.946	6 daily
El Dorado	2020-2021	38.953	-119.935	3/18/2021	2	2	10	30 day_req	0.946	6 daily
El Dorado	2020-2021	38.953	-119.935	3/24/2021	0	3	10	30 day_req	0.946	6 daily
El Dorado	2020-2021	38.953	-119.935	3/25/2021	3	3	10	33 day_req	0.946	6 daily
El Dorado	2020-2021	38.956	-120.931	12/23/2020	0	0.25	4	0 seas_req	0.006	7 seasonal
El Dorado	2020-2021	38.956	-120.931	12/30/2020	0.25	0.5	4	0.25 seas_req	0.006	7 seasonal
El Dorado	2020-2021	38.956	-120.931	12/31/2020	0.25	0.5	4	0.5 seas_req	0.006	7 seasonal
El Dorado	2020-2021	38.956	-120.931	1/5/2021	0.1	0.2	4	0.6 seas_req	0.006	7 seasonal
El Dorado	2020-2021	38.959	-120.379	12/29/2020	22	22	1	22 day_req	NA	NA single_day
El Dorado	2020-2021	38.972	-120.442	12/16/2020	0	16.8	2	0 day_req	0.996	6 daily
El Dorado	2020-2021	38.972	-120.442	12/30/2020	16.8	16.8	2	16.8 day_req	0.996	6 daily
El Dorado	2020-2021	39.026	-120.122	1/12/2021	5	3	1	5 day_req	NA	NA single_day
El Dorado	2020-2021	39.027	-120.416	12/15/2020	1	1	1	1 day_req	NA	NA single_day
El Dorado	2020-2021	39.05	-120.12	1/11/2021	0.25	0.25	1	0.25 day_req	NA	NA single_day
El Dorado	2020-2021	39.05	-120.115	1/13/2021	1.2	1.2	1	1.2 day_req	NA	NA single_day
El Dorado	2020-2021	39.051	-120.127	11/18/2020	2.5	4	6	2.5 seas_req	0.03	7 seasonal
El Dorado	2020-2021	39.051	-120.127	11/19/2020	2.3	4	6	4.8 seas_req	0.03	7 seasonal
El Dorado	2020-2021	39.051	-120.127	11/20/2020	0	2	6	4.8 seas_req	0.03	7 seasonal
El Dorado	2020-2021	39.051	-120.127	11/23/2020	0	3	6	4.8 seas_req	0.03	7 seasonal
El Dorado	2020-2021	39.051	-120.127	11/30/2020	6	9	6	10.8 seas_req	0.03	7 seasonal
El Dorado	2020-2021	39.051	-120.127	12/1/2020	1	1	6	11.8 seas_req	0.03	7 seasonal
El Dorado	2020-2021	39.055	-120.126	11/12/2020	4	4	4	4 seas_req	0.362	7 seasonal
El Dorado	2020-2021	39.055	-120.126	11/23/2020	2.3	3	4	6.3 seas_req	0.362	7 seasonal
El Dorado	2020-2021	39.055	-120.126	11/25/2020	1.2	2	4	7.5 seas_req	0.362	7 seasonal
El Dorado	2020-2021	39.055	-120.126	12/14/2020	2.4	3	4	9.9 seas_req	0.362	7 seasonal
Lake	2018-2019	38.823	-122.69	11/29/2018	10	10	46	10 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	11/30/2018	10	10	46	20 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	12/1/2018	10	10	46	30 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	12/2/2018	10	10	46	40 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	12/3/2018	15	15	46	55 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	12/4/2018	5	5	46	60 day_req	0.956	3 daily

Lake	2018-2019	38.823	-122.69	12/7/2018	3	3	46	63 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	12/10/2018	3	3	46	66 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	12/11/2018	3	3	46	69 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	12/18/2018	3	3	46	72 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	12/19/2018	3	3	46	75 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	12/20/2018	3	3	46	78 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/7/2019	2	2	46	80 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/8/2019	2	2	46	82 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/9/2019	2	2	46	84 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/10/2019	2	2	46	86 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/13/2019	2	2	46	88 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/14/2019	2	2	46	90 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/15/2019	2	2	46	92 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/16/2019	2	2	46	94 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/17/2019	2	2	46	96 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/18/2019	1	1	46	97 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/26/2019	0	1	46	97 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/28/2019	2	2	46	99 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/29/2019	2	2	46	101 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/30/2019	2	2	46	103 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	1/31/2019	2	2	46	105 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	2/1/2019	1	1	46	106 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	2/5/2019	2	2	46	108 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	2/6/2019	2	2	46	110 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	2/7/2019	2	2	46	112 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	2/11/2019	2	2	46	114 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	2/12/2019	2	2	46	116 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	2/13/2019	2	2	46	118 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	2/14/2019	2	2	46	120 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	3/20/2019	2	2	46	122 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	3/21/2019	2	2	46	124 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	3/27/2019	1	1	46	125 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	3/28/2019	1	1	46	126 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	4/3/2019	2	2	46	128 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	4/4/2019	2	2	46	130 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	4/6/2019	1	1	46	131 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	4/7/2019	1	1	46	132 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	5/6/2019	0.1	1	46	132.1 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	5/7/2019	0.4	4	46	132.5 day_req	0.956	3 daily
Lake	2018-2019	38.823	-122.69	5/8/2019	0.1	1	46	132.6 day_req	0.956	3 daily

Lake	2018-2019	38.836	-122.692	12/5/2018	5	5	2	5 day_req	0.976	6 daily
Lake	2018-2019	38.836	-122.692	12/6/2018	5	5	2	10 day_req	0.976	6 daily
Lake	2019-2020	39.016	-123.041	3/5/2020	0	25	1	0 day_req	NA	single_day
Lake	2019-2020	39.439	-122.974	2/11/2020	93	93	2	93 day_req	0.95	6 daily
Lake	2019-2020	39.439	-122.974	2/19/2020	40	40	2	133 day_req	0.95	6 daily
Lake	2019-2020	39.513	-122.738	12/17/2019	92	92	1	92 day_req	NA	single_day
Lake	2020-2021	38.823	-122.69	12/21/2020	1	1	39	1 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	12/22/2020	1	1	39	2 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	12/23/2020	1	1	39	3 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	12/29/2020	1	1	39	4 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	12/30/2020	1	1	39	5 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	12/31/2020	0	1	39	5 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	1/5/2021	0	2	39	5 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	1/6/2021	1	2	39	6 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	1/7/2021	0	2	39	6 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	1/9/2021	1	1	39	7 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	1/13/2021	0	1	39	7 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	1/14/2021	1	1	39	8 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	1/15/2021	1	1	39	9 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	1/16/2021	1	1	39	10 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	1/20/2021	0	1	39	10 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	1/21/2021	0	1	39	10 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	1/22/2021	0	1	39	10 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	1/23/2021	1	1	39	11 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	1/25/2021	1	1	39	12 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	1/27/2021	0	1	39	12 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	2/2/2021	1	1	39	13 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	2/3/2021	1	1	39	14 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	2/4/2021	1	1	39	15 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	2/5/2021	1	1	39	16 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	2/6/2021	1	1	39	17 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	2/11/2021	1	1	39	18 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	2/12/2021	0	1	39	18 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	2/13/2021	1	1	39	19 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	2/16/2021	1	1	39	20 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	2/17/2021	1	1	39	21 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	2/18/2021	1	1	39	22 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	2/19/2021	1	1	39	23 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	2/20/2021	0	1	39	23 day_req	0.976	3 daily
Lake	2020-2021	38.823	-122.69	3/8/2021	1	1	39	24 day_req	0.976	3 daily



Lake	2020-2021	38.823	-122.69	3/9/2021	1	1	39	25 day_req	0.976	3 daily	
Lake	2020-2021	38.823	-122.69	4/7/2021	0	2	39	25 day_req	0.976	3 daily	
Lake	2020-2021	38.823	-122.69	4/8/2021	0	1	39	25 day_req	0.976	3 daily	
Lake	2020-2021	38.823	-122.69	4/9/2021	1	1	39	26 day_req	0.976	3 daily	
Lake	2020-2021	38.823	-122.69	4/10/2021	0	1	39	26 day_req	0.976	3 daily	
Lake	2020-2021	38.999	-122.76	2/4/2021	1	2	16	1 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	2/5/2021	1	3	16	2 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	2/10/2021	1	2	16	3 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	2/11/2021	1	2	16	4 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	2/12/2021	1	2	16	5 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	2/17/2021	1	2	16	6 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	2/18/2021	1	2	16	7 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	2/19/2021	1	2	16	8 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	3/5/2021	0	1	16	8 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	3/9/2021	1	1	16	9 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	3/10/2021	1	1	16	10 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	3/11/2021	1	1	16	11 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	3/12/2021	1	1	16	12 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	3/17/2021	1	1	16	13 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	3/18/2021	1	1	16	14 day_req	0.986	6 daily	
Lake	2020-2021	38.999	-122.76	3/19/2021	1	1	16	15 day_req	0.986	6 daily	
Lake	2020-2021	39.019	-122.913	11/6/2020	0	3	1	0 day_req	NA	NA	single_day
Lake	2020-2021	39.176	-123.024	2/25/2021	1	1	4	1 day_req	0.968	6 daily	
Lake	2020-2021	39.176	-123.024	2/26/2021	1	1	4	2 day_req	0.968	6 daily	
Lake	2020-2021	39.176	-123.024	2/27/2021	1	1	4	3 day_req	0.968	6 daily	
Lake	2020-2021	39.176	-123.024	2/28/2021	2	2	4	5 day_req	0.968	6 daily	
Lake	2020-2021	39.288	-122.927	3/17/2021	3	3	1	3 day_req	NA	NA	single_day
Lake	2020-2021	39.458	-122.986	3/4/2021	40	40	1	40 day_req	NA	NA	single_day
Yolo-Solano	2020-2021	38.518	-122.061	6/8/2021	10	10	4	10 seas_req	0.256	7 seasonal	
Yolo-Solano	2020-2021	38.518	-122.061	6/9/2021	10	25	4	20 seas_req	0.256	7 seasonal	
Yolo-Solano	2020-2021	38.518	-122.061	6/10/2021	35	55	4	55 seas_req	0.256	7 seasonal	
Yolo-Solano	2020-2021	38.518	-122.061	6/11/2021	10	5	4	65 seas_req	0.256	7 seasonal	
Northern Sonoma	2018-2019	38.488	-123.095	10/23/2018	11.61	10	3	11.61 day_req	0.984	1 daily	
Northern Sonoma	2018-2019	38.488	-123.095	10/24/2018	0	10	3	11.61 day_req	0.984	1 daily	
Northern Sonoma	2018-2019	38.488	-123.095	10/25/2018	0	10	3	11.61 day_req	0.984	1 daily	
Northern Sonoma	2020-2021	38.718	-123.008	7/6/2020	0	86	2	0 day_req	0.984	6 daily	
Northern Sonoma	2020-2021	38.718	-123.008	7/15/2020	86	86	2	86 day_req	0.984	6 daily	
Amador	2019-2020	38.377	-120.802	6/8/2020	0	5	2	0 day_req	1	6 daily	
Amador	2019-2020	38.377	-120.802	6/9/2020	5	5	2	5 day_req	1	6 daily	
Amador	2019-2020	38.384	-120.969	10/7/2019	0	110	3	0 seas_req	0.008	2 seasonal	

Amador	2019-2020	38.384	-120.969	10/16/2019	0	100	3	0 seas_req	0.008	2 seasonal
Amador	2019-2020	38.384	-120.969	6/24/2020	26.2	100	3	26.2 seas_req	0.008	2 seasonal
Amador	2019-2020	38.391	-120.968	10/29/2019	65	65	16	65 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	12/4/2019	9	5	16	74 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	12/12/2019	7	58	16	81 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	12/13/2019	7	58	16	88 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	12/14/2019	7	58	16	95 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	12/15/2019	7	58	16	102 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	12/16/2019	7	58	16	109 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	12/18/2019	7	13	16	116 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	12/23/2019	17.9	36	16	133.9 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	12/24/2019	0	25	16	133.9 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	12/30/2019	15.7	20	16	149.6 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	1/3/2020	15.5	20	16	165.1 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	1/4/2020	12.2	20	16	177.3 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	1/6/2020	0	20	16	177.3 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	1/8/2020	20	20	16	197.3 seas_req	0.044	7 seasonal
Amador	2019-2020	38.391	-120.968	1/15/2020	40	40	16	237.3 seas_req	0.044	7 seasonal
Amador	2019-2020	38.392	-120.652	4/16/2020	18	18	2	18 day_req	0.994	1 daily
Amador	2019-2020	38.392	-120.652	4/30/2020	19.3	18	2	37.3 day_req	0.994	1 daily
Amador	2019-2020	38.479	-120.463	2/4/2020	0	30	7	0 seas_req	0.004	2 seasonal
Amador	2019-2020	38.479	-120.463	2/5/2020	0	30	7	0 seas_req	0.004	2 seasonal
Amador	2019-2020	38.479	-120.463	3/4/2020	0	59	7	0 seas_req	0.004	2 seasonal
Amador	2019-2020	38.479	-120.463	3/5/2020	0	59	7	0 seas_req	0.004	2 seasonal
Amador	2019-2020	38.479	-120.463	3/6/2020	0	89	7	0 seas_req	0.004	2 seasonal
Amador	2019-2020	38.479	-120.463	5/7/2020	0	21	7	0 seas_req	0.004	2 seasonal
Amador	2019-2020	38.479	-120.463	5/11/2020	3	16	7	3 seas_req	0.004	2 seasonal
Amador	2019-2020	38.494	-120.58	10/30/2019	0	33	10	0 seas_req	0.064	2 seasonal
Amador	2019-2020	38.494	-120.58	11/14/2019	0	33	10	0 seas_req	0.064	2 seasonal
Amador	2019-2020	38.494	-120.58	11/15/2019	0	33	10	0 seas_req	0.064	2 seasonal
Amador	2019-2020	38.494	-120.58	11/16/2019	0	33	10	0 seas_req	0.064	2 seasonal
Amador	2019-2020	38.494	-120.58	2/13/2020	5	20	10	5 seas_req	0.064	2 seasonal
Amador	2019-2020	38.494	-120.58	2/14/2020	20	20	10	25 seas_req	0.064	2 seasonal
Amador	2019-2020	38.494	-120.58	2/18/2020	10	10	10	35 seas_req	0.064	2 seasonal
Amador	2019-2020	38.494	-120.58	2/19/2020	10	10	10	45 seas_req	0.064	2 seasonal
Amador	2019-2020	38.494	-120.58	3/2/2020	19	38	10	64 seas_req	0.064	2 seasonal
Amador	2019-2020	38.494	-120.58	3/3/2020	19	19	10	83 seas_req	0.064	2 seasonal
Amador	2019-2020	38.504	-120.777	12/12/2019	20	20	9	20 day_req	0.892	6 daily
Amador	2019-2020	38.504	-120.777	12/13/2019	10	10	9	30 day_req	0.892	6 daily
Amador	2019-2020	38.504	-120.777	2/21/2020	0	60	9	30 day_req	0.892	6 daily

Amador	2019-2020	38.504	-120.777	2/22/2020	60	60	9	90 day_req	0.892	6 daily
Amador	2019-2020	38.504	-120.777	3/1/2020	20	20	9	110 day_req	0.892	6 daily
Amador	2019-2020	38.504	-120.777	3/7/2020	20	20	9	130 day_req	0.892	6 daily
Amador	2019-2020	38.504	-120.777	3/8/2020	20	20	9	150 day_req	0.892	6 daily
Amador	2019-2020	38.504	-120.777	3/30/2020	4.5	15	9	154.5 day_req	0.892	6 daily
Amador	2019-2020	38.504	-120.777	5/3/2020	0.5	10	9	155 day_req	0.892	6 daily
Amador	2019-2020	38.51	-120.245	2/19/2020	0	10	2	0 seas_req	0.006	7 seasonal
Amador	2019-2020	38.51	-120.245	3/14/2020	30	50	2	30 seas_req	0.006	7 seasonal
Amador	2019-2020	38.512	-120.233	11/26/2019	100	100	3	100 day_req	0.974	6 daily
Amador	2019-2020	38.512	-120.233	11/27/2019	100	100	3	200 day_req	0.974	6 daily
Amador	2019-2020	38.512	-120.233	2/19/2020	20	20	3	220 day_req	0.974	6 daily
Amador	2019-2020	38.56	-120.27	12/2/2019	100	100	15	100 day_req	0.76	6 daily
Amador	2019-2020	38.56	-120.27	12/4/2019	0	100	15	100 day_req	0.76	6 daily
Amador	2019-2020	38.56	-120.27	12/5/2019	200	200	15	300 day_req	0.76	6 daily
Amador	2019-2020	38.56	-120.27	12/11/2019	75	75	15	375 day_req	0.76	6 daily
Amador	2019-2020	38.56	-120.27	12/12/2019	50	50	15	425 day_req	0.76	6 daily
Amador	2019-2020	38.56	-120.27	1/8/2020	40	40	15	465 day_req	0.76	6 daily
Amador	2019-2020	38.56	-120.27	1/13/2020	0	25	15	465 day_req	0.76	6 daily
Amador	2019-2020	38.56	-120.27	1/14/2020	0	25	15	465 day_req	0.76	6 daily
Amador	2019-2020	38.56	-120.27	1/21/2020	50	50	15	515 day_req	0.76	6 daily
Amador	2019-2020	38.56	-120.27	1/22/2020	20	25	15	535 day_req	0.76	6 daily
Amador	2019-2020	38.56	-120.27	2/4/2020	7	7	15	542 day_req	0.76	6 daily
Amador	2019-2020	38.56	-120.27	2/11/2020	20	20	15	562 day_req	0.76	6 daily
Amador	2019-2020	38.56	-120.27	2/12/2020	20	20	15	582 day_req	0.76	6 daily
Amador	2019-2020	38.56	-120.27	2/19/2020	10	10	15	592 day_req	0.76	6 daily
Amador	2019-2020	38.56	-120.27	2/25/2020	30	30	15	622 day_req	0.76	6 daily
Amador	2019-2020	38.718	-120.563	2/10/2020	0	4	7	0 day_req	0.908	6 daily
Amador	2019-2020	38.718	-120.563	2/11/2020	0	4	7	0 day_req	0.908	6 daily
Amador	2019-2020	38.718	-120.563	2/12/2020	4	4	7	4 day_req	0.908	6 daily
Amador	2019-2020	38.718	-120.563	2/13/2020	4	4	7	8 day_req	0.908	6 daily
Amador	2019-2020	38.718	-120.563	2/14/2020	4	4	7	12 day_req	0.908	6 daily
Amador	2019-2020	38.718	-120.563	4/21/2020	1	5	7	13 day_req	0.908	6 daily
Amador	2019-2020	38.718	-120.563	5/4/2020	1	1	7	14 day_req	0.908	6 daily
Amador	2020-2021	38.377	-120.802	6/30/2021	0	10	1	0 day_req	NA	single_day
Amador	2020-2021	38.384	-120.969	6/3/2021	89	120	1	89 day_req	NA	single_day
Amador	2020-2021	38.392	-120.652	11/17/2020	26.2	30	1	26.2 day_req	NA	single_day
Amador	2020-2021	38.494	-120.58	12/11/2020	48	25	2	48 day_req	0.966	1 daily
Amador	2020-2021	38.494	-120.58	12/12/2020	25	25	2	73 day_req	0.966	1 daily
Amador	2020-2021	38.504	-120.777	11/23/2020	0	5	29	0 seas_req	0.002	7 seasonal
Amador	2020-2021	38.504	-120.777	11/24/2020	0	5	29	0 seas_req	0.002	7 seasonal

Amador	2020-2021	38.504	-120.777	11/25/2020	0	5	29	0 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	11/27/2020	0	5	29	0 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	11/28/2020	0	5	29	0 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	11/29/2020	0	5	29	0 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	11/30/2020	0	5	29	0 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/1/2020	0	5	29	0 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/2/2020	0	5	29	0 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/3/2020	0	5	29	0 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/4/2020	0	5	29	0 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/5/2020	0	5	29	0 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/6/2020	0	5	29	0 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/15/2020	0.5	5	29	0.5 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/16/2020	0.2	5	29	0.7 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/17/2020	0	5	29	0.7 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/18/2020	0.3	5	29	1 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/19/2020	0	5	29	1 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/20/2020	0	5	29	1 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/21/2020	0	5	29	1 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/22/2020	1	5	29	2 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/23/2020	3	5	29	5 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/27/2020	4	5	29	9 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/28/2020	0	5	29	9 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	12/29/2020	0	5	29	9 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	1/1/2021	1	5	29	10 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	1/2/2021	0	5	29	10 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	1/3/2021	0	5	29	10 seas_req	0.002	7 seasonal	
Amador	2020-2021	38.504	-120.777	1/8/2021	1.5	5	29	11.5 seas_req	0.002	7 seasonal	
Sacramento Metro	2018-2019	38.304	-121.429	6/3/2019	60	60	4	60 seas_req	0.016	7 seasonal	
Sacramento Metro	2018-2019	38.304	-121.429	6/4/2019	45	60	4	105 seas_req	0.016	7 seasonal	
Sacramento Metro	2018-2019	38.304	-121.429	6/5/2019	15	45	4	120 seas_req	0.016	7 seasonal	
Sacramento Metro	2018-2019	38.304	-121.429	6/6/2019	10	60	4	130 seas_req	0.016	7 seasonal	
Sacramento Metro	2018-2019	38.969	-121.43	9/6/2018	10	20	2	10 seas_req	0.012	2 seasonal	
Sacramento Metro	2018-2019	38.969	-121.43	9/10/2018	15	15	2	25 seas_req	0.012	2 seasonal	
Sacramento Metro	2019-2020	38.969	-121.43	8/9/2019	0	69	1	0 day_req	NA	NA	single_day
Calaveras	2018-2019	38.043	-120.763	5/13/2019	280	280	1	280 day_req	NA	NA	single_day
Calaveras	2018-2019	38.047	-120.533	6/22/2019	45	10	2	45 day_req	0.986		1 daily
Calaveras	2018-2019	38.047	-120.533	6/23/2019	0	10	2	45 day_req	0.986		1 daily
Calaveras	2018-2019	38.158	-120.811	6/5/2019	9	11	1	9 day_req	NA	NA	single_day
Calaveras	2018-2019	38.187	-120.668	6/11/2019	0	14	1	0 day_req	NA	NA	single_day
Calaveras	2018-2019	38.195	-120.369	4/17/2019	1	1	1	1 day_req	NA	NA	single_day

Calaveras	2018-2019	38.197	-120.367	11/28/2018	0	1	4	0 seas_req	0.124	7 seasonal
Calaveras	2018-2019	38.197	-120.367	3/18/2019	0	5	4	0 seas_req	0.124	7 seasonal
Calaveras	2018-2019	38.197	-120.367	3/28/2019	5	5	4	5 seas_req	0.124	7 seasonal
Calaveras	2018-2019	38.197	-120.367	5/21/2019	0	1	4	5 seas_req	0.124	7 seasonal
Calaveras	2018-2019	38.247	-120.376	5/31/2019	1	20	1	1 day_req	NA	NA single_day
Calaveras	2018-2019	38.267	-120.331	4/23/2019	2	2	1	2 day_req	NA	NA single_day
Calaveras	2018-2019	38.281	-120.306	10/23/2018	45	44	1	45 day_req	NA	NA single_day
Calaveras	2018-2019	38.286	-120.193	11/29/2018	1	15	55	1 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	12/3/2018	2	2	55	3 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	12/4/2018	2	2	55	5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	12/5/2018	2	2	55	7 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	12/6/2018	2	2	55	9 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	12/10/2018	2	3	55	11 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	12/11/2018	5	5	55	16 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	12/12/2018	3	5	55	19 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	12/13/2018	2	2	55	21 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	12/17/2018	2	2	55	23 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	12/18/2018	3	2	55	26 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	12/19/2018	3	5	55	29 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	12/20/2018	5	5	55	34 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	1/4/2019	1.5	1	55	35.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	1/8/2019	2	2	55	37.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	1/9/2019	1	1	55	38.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	1/10/2019	0.5	1	55	39 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	1/30/2019	5	5	55	44 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	1/31/2019	2	5	55	46 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	3/18/2019	3	3	55	49 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	3/19/2019	5	5	55	54 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	3/20/2019	5	5	55	59 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	3/21/2019	5	5	55	64 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	3/22/2019	2	2	55	66 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	3/25/2019	15	15	55	81 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	3/28/2019	15	15	55	96 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	4/9/2019	3	3	55	99 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	4/10/2019	3	3	55	102 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	4/11/2019	3	3	55	105 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	4/12/2019	3	3	55	108 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	4/17/2019	20	20	55	128 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	4/20/2019	3	3	55	131 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	4/21/2019	3	3	55	134 day_req	0.982	3 daily

Calaveras	2018-2019	38.286	-120.193	4/22/2019	3	3	55	137 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	4/24/2019	3	3	55	140 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	4/25/2019	3	3	55	143 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	4/26/2019	3	3	55	146 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	4/27/2019	3	3	55	149 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	4/28/2019	3	3	55	152 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	5/10/2019	0.5	1	55	152.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	5/11/2019	2	2	55	154.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	5/12/2019	2	2	55	156.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	5/20/2019	1	3	55	157.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	5/21/2019	2	3	55	159.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	5/22/2019	1	3	55	160.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	5/23/2019	1	3	55	161.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	5/24/2019	2	2	55	163.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	5/25/2019	2	2	55	165.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	5/26/2019	2	2	55	167.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	5/27/2019	2	2	55	169.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	5/30/2019	3	3	55	172.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	5/31/2019	3	3	55	175.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	6/1/2019	3	3	55	178.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	6/2/2019	3	3	55	181.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.286	-120.193	6/14/2019	44	41	55	225.5 day_req	0.982	3 daily
Calaveras	2018-2019	38.291	-120.293	5/1/2019	2	5	15	2 day_req	0.936	6 daily
Calaveras	2018-2019	38.291	-120.293	5/2/2019	2	5	15	4 day_req	0.936	6 daily
Calaveras	2018-2019	38.291	-120.293	5/3/2019	2	5	15	6 day_req	0.936	6 daily
Calaveras	2018-2019	38.291	-120.293	5/4/2019	7	9	15	13 day_req	0.936	6 daily
Calaveras	2018-2019	38.291	-120.293	5/5/2019	3	4	15	16 day_req	0.936	6 daily
Calaveras	2018-2019	38.291	-120.293	5/6/2019	3	4	15	19 day_req	0.936	6 daily
Calaveras	2018-2019	38.291	-120.293	5/7/2019	2	3	15	21 day_req	0.936	6 daily
Calaveras	2018-2019	38.291	-120.293	5/8/2019	4	4	15	25 day_req	0.936	6 daily
Calaveras	2018-2019	38.291	-120.293	5/9/2019	2	2	15	27 day_req	0.936	6 daily
Calaveras	2018-2019	38.291	-120.293	5/15/2019	1	1	15	28 day_req	0.936	6 daily
Calaveras	2018-2019	38.291	-120.293	5/16/2019	1	2	15	29 day_req	0.936	6 daily
Calaveras	2018-2019	38.291	-120.293	5/17/2019	2	2	15	31 day_req	0.936	6 daily
Calaveras	2018-2019	38.291	-120.293	5/18/2019	2	2	15	33 day_req	0.936	6 daily
Calaveras	2018-2019	38.291	-120.293	5/19/2019	2	2	15	35 day_req	0.936	6 daily
Calaveras	2018-2019	38.291	-120.293	5/20/2019	1	2	15	36 day_req	0.936	6 daily
Calaveras	2018-2019	38.319	-120.262	11/27/2018	0	1	1	0 day_req	NA	single_day
Calaveras	2018-2019	38.338	-120.411	12/4/2018	70	86	3	70 day_req	0.97	6 daily
Calaveras	2018-2019	38.338	-120.411	1/5/2019	15	15	3	85 day_req	0.97	6 daily

Calaveras	2018-2019	38.338	-120.411	1/14/2019	5	5	3	90 day_req		0.97	6 daily
Calaveras	2018-2019	38.338	-120.41	12/4/2018	5	5	1	5 day_req	NA	NA	single_day
Calaveras	2018-2019	38.351	-120.319	11/30/2018	0	18	2	0 seas_req		0.014	2 seasonal
Calaveras	2018-2019	38.351	-120.319	1/5/2019	12	12	2	12 seas_req		0.014	2 seasonal
Calaveras	2018-2019	38.367	-120.383	2/1/2019	10	10	1	10 day_req	NA	NA	single_day
Calaveras	2018-2019	38.368	-120.382	11/27/2018	12	14	3	12 day_req		1	6 daily
Calaveras	2018-2019	38.368	-120.382	11/28/2018	20	20	3	32 day_req		1	6 daily
Calaveras	2018-2019	38.368	-120.382	11/30/2018	10	10	3	42 day_req		1	6 daily
Calaveras	2018-2019	38.371	-120.367	11/28/2018	0	5	4	0 seas_req		0.016	7 seasonal
Calaveras	2018-2019	38.371	-120.367	11/30/2018	10	16	4	10 seas_req		0.016	7 seasonal
Calaveras	2018-2019	38.371	-120.367	12/20/2018	0	6	4	10 seas_req		0.016	7 seasonal
Calaveras	2018-2019	38.371	-120.367	1/6/2019	1	1	4	11 seas_req		0.016	7 seasonal
Calaveras	2018-2019	38.377	-120.289	1/5/2019	0	8	1	0 day_req	NA	NA	single_day
Calaveras	2018-2019	38.378	-120.459	11/9/2018	0	11	1	0 day_req	NA	NA	single_day
Calaveras	2018-2019	38.378	-120.458	11/7/2018	0	3	1	0 day_req	NA	NA	single_day
Calaveras	2018-2019	38.379	-120.457	11/8/2018	0	4	1	0 day_req	NA	NA	single_day
Calaveras	2018-2019	38.38	-120.439	11/28/2018	0	45	2	0 seas_req		0.002	7 seasonal
Calaveras	2018-2019	38.38	-120.439	1/4/2019	0	4	2	0 seas_req		0.002	7 seasonal
Calaveras	2018-2019	38.382	-120.326	11/28/2018	0	2	3	0 day_req		0.994	6 daily
Calaveras	2018-2019	38.382	-120.326	12/20/2018	12	12	3	12 day_req		0.994	6 daily
Calaveras	2018-2019	38.382	-120.326	1/4/2019	13	13	3	25 day_req		0.994	6 daily
Calaveras	2018-2019	38.383	-120.437	11/28/2018	0	42	2	0 seas_req		0.01	2 seasonal
Calaveras	2018-2019	38.383	-120.437	12/20/2018	10	10	2	10 seas_req		0.01	2 seasonal
Calaveras	2018-2019	38.396	-120.31	11/27/2018	0	19	6	0 day_req		0.848	6 daily
Calaveras	2018-2019	38.396	-120.31	11/28/2018	15	19	6	15 day_req		0.848	6 daily
Calaveras	2018-2019	38.396	-120.31	12/4/2018	0	57	6	15 day_req		0.848	6 daily
Calaveras	2018-2019	38.396	-120.31	1/6/2019	2	2	6	17 day_req		0.848	6 daily
Calaveras	2018-2019	38.396	-120.31	1/14/2019	79	79	6	96 day_req		0.848	6 daily
Calaveras	2018-2019	38.396	-120.31	1/18/2019	8	8	6	104 day_req		0.848	6 daily
Calaveras	2018-2019	38.406	-120.368	1/30/2019	20	20	2	20 day_req		1	6 daily
Calaveras	2018-2019	38.406	-120.368	1/31/2019	10	10	2	30 day_req		1	6 daily
Calaveras	2018-2019	38.407	-120.428	1/30/2019	0	5	1	0 day_req	NA	NA	single_day
Calaveras	2018-2019	38.41	-120.155	5/15/2019	10	30	1	10 day_req	NA	NA	single_day
Calaveras	2018-2019	38.412	-120.418	11/27/2018	12	12	1	12 day_req	NA	NA	single_day
Calaveras	2018-2019	38.413	-120.415	11/27/2018	100	107	1	100 day_req	NA	NA	single_day
Calaveras	2018-2019	38.422	-120.467	2/1/2019	0	9	2	0 seas_req		0.046	2 seasonal
Calaveras	2018-2019	38.422	-120.467	3/20/2019	5	5	2	5 seas_req		0.046	2 seasonal
Calaveras	2018-2019	38.434	-120.332	11/28/2018	0	6	1	0 day_req	NA	NA	single_day
Calaveras	2018-2019	38.435	-120.493	2/12/2019	12	40	1	12 day_req	NA	NA	single_day
Calaveras	2018-2019	38.435	-120.458	4/27/2019	35	35	3	35 day_req		1	6 daily

Calaveras	2018-2019	38.435	-120.458	5/1/2019	10	10	3	45 day_req		1	6 daily
Calaveras	2018-2019	38.435	-120.458	5/2/2019	10	10	3	55 day_req		1	6 daily
Calaveras	2018-2019	38.45	-120.429	2/1/2019	0	4	3	0 day_req	0.908		6 daily
Calaveras	2018-2019	38.45	-120.429	3/20/2019	4	4	3	4 day_req	0.908		6 daily
Calaveras	2018-2019	38.45	-120.429	3/21/2019	1	1	3	5 day_req	0.908		6 daily
Calaveras	2018-2019	38.454	-120.301	11/28/2018	0	3	1	0 day_req	NA	NA	single_day
Calaveras	2018-2019	38.465	-120.151	10/16/2018	0	10	2	0 seas_req	0.002		7 seasonal
Calaveras	2018-2019	38.465	-120.151	10/17/2018	0	60	2	0 seas_req	0.002		7 seasonal
Calaveras	2019-2020	38.012	-120.317	6/8/2020	95	95	2	95 day_req		1	6 daily
Calaveras	2019-2020	38.012	-120.317	6/15/2020	95	95	2	190 day_req		1	6 daily
Calaveras	2019-2020	38.018	-120.584	11/6/2019	93.25	90	4	93.25 seas_req	0.458		8 uncertain
Calaveras	2019-2020	38.018	-120.584	11/7/2019	293.5	600	4	386.75 seas_req	0.458		8 uncertain
Calaveras	2019-2020	38.018	-120.584	11/25/2019	0	240	4	386.75 seas_req	0.458		8 uncertain
Calaveras	2019-2020	38.018	-120.584	11/26/2019	210	210	4	596.75 seas_req	0.458		8 uncertain
Calaveras	2019-2020	38.05	-120.537	6/20/2020	0	20	1	0 day_req	NA	NA	single_day
Calaveras	2019-2020	38.109	-120.856	4/27/2020	8.5	30	1	8.5 day_req	NA	NA	single_day
Calaveras	2019-2020	38.158	-120.827	5/4/2020	0	40	1	0 day_req	NA	NA	single_day
Calaveras	2019-2020	38.158	-120.811	6/3/2020	11.33	12	1	11.33 day_req	NA	NA	single_day
Calaveras	2019-2020	38.187	-120.668	6/11/2020	0	14	1	0 day_req	NA	NA	single_day
Calaveras	2019-2020	38.197	-120.37	12/4/2019	0	10	2	0 seas_req		0.014	7 seasonal
Calaveras	2019-2020	38.197	-120.37	12/9/2019	4	10	2	4 seas_req		0.014	7 seasonal
Calaveras	2019-2020	38.2	-120.696	6/11/2020	65	75	3	65 seas_req		0.032	7 seasonal
Calaveras	2019-2020	38.2	-120.696	6/12/2020	8	50	3	73 seas_req		0.032	7 seasonal
Calaveras	2019-2020	38.2	-120.696	6/16/2020	50	55	3	123 seas_req		0.032	7 seasonal
Calaveras	2019-2020	38.23	-120.379	12/16/2019	0	4	6	0 seas_req		0.08	7 seasonal
Calaveras	2019-2020	38.23	-120.379	1/13/2020	0	5	6	0 seas_req		0.08	7 seasonal
Calaveras	2019-2020	38.23	-120.379	1/23/2020	5	5	6	5 seas_req		0.08	7 seasonal
Calaveras	2019-2020	38.23	-120.379	1/27/2020	6	8	6	11 seas_req		0.08	7 seasonal
Calaveras	2019-2020	38.23	-120.379	2/3/2020	0	5	6	11 seas_req		0.08	7 seasonal
Calaveras	2019-2020	38.23	-120.379	2/4/2020	5	10	6	16 seas_req		0.08	7 seasonal
Calaveras	2019-2020	38.247	-120.376	1/3/2020	40	40	5	40 day_req		0.992	6 daily
Calaveras	2019-2020	38.247	-120.376	1/23/2020	0	10	5	40 day_req		0.992	6 daily
Calaveras	2019-2020	38.247	-120.376	1/29/2020	10	10	5	50 day_req		0.992	6 daily
Calaveras	2019-2020	38.247	-120.376	1/30/2020	10	10	5	60 day_req		0.992	6 daily
Calaveras	2019-2020	38.247	-120.376	2/4/2020	30	30	5	90 day_req		0.992	6 daily
Calaveras	2019-2020	38.257	-120.308	2/5/2020	182	182	1	182 day_req	NA	NA	single_day
Calaveras	2019-2020	38.265	-120.318	12/5/2019	0.5	0.5	7	0.5 day_req		0.992	6 daily
Calaveras	2019-2020	38.265	-120.318	12/6/2019	0.5	0.5	7	1 day_req		0.992	6 daily
Calaveras	2019-2020	38.265	-120.318	12/9/2019	0.25	0.25	7	1.25 day_req		0.992	6 daily
Calaveras	2019-2020	38.265	-120.318	12/10/2019	0.25	0.25	7	1.5 day_req		0.992	6 daily



Calaveras	2019-2020	38.265	-120.318	12/11/2019	0.25	0.25	7	1.75 day_req	0.992	6 daily	
Calaveras	2019-2020	38.265	-120.318	12/12/2019	0.25	0.25	7	2 day_req	0.992	6 daily	
Calaveras	2019-2020	38.265	-120.318	12/16/2019	0	0.25	7	2 day_req	0.992	6 daily	
Calaveras	2019-2020	38.267	-120.331	12/12/2019	2	5	4	2 seas_req	0.35	7 seasonal	
Calaveras	2019-2020	38.267	-120.331	12/16/2019	1	5	4	3 seas_req	0.35	7 seasonal	
Calaveras	2019-2020	38.267	-120.331	12/17/2019	2	5	4	5 seas_req	0.35	7 seasonal	
Calaveras	2019-2020	38.267	-120.331	12/19/2019	5	5	4	10 seas_req	0.35	7 seasonal	
Calaveras	2019-2020	38.281	-120.306	11/6/2019	18	18	1	18 day_req	NA	NA	single_day
Calaveras	2019-2020	38.286	-120.193	12/5/2019	0.25	0.25	10	0.25 day_req	0.998	6 daily	
Calaveras	2019-2020	38.286	-120.193	12/6/2019	0.25	0.25	10	0.5 day_req	0.998	6 daily	
Calaveras	2019-2020	38.286	-120.193	12/9/2019	0.25	0.25	10	0.75 day_req	0.998	6 daily	
Calaveras	2019-2020	38.286	-120.193	12/10/2019	0.25	0.25	10	1 day_req	0.998	6 daily	
Calaveras	2019-2020	38.286	-120.193	12/11/2019	0.25	0.25	10	1.25 day_req	0.998	6 daily	
Calaveras	2019-2020	38.286	-120.193	12/12/2019	0.25	0.25	10	1.5 day_req	0.998	6 daily	
Calaveras	2019-2020	38.286	-120.193	12/13/2019	0.25	0.25	10	1.75 day_req	0.998	6 daily	
Calaveras	2019-2020	38.286	-120.193	12/16/2019	0.25	0.25	10	2 day_req	0.998	6 daily	
Calaveras	2019-2020	38.286	-120.193	12/17/2019	0.25	0.25	10	2.25 day_req	0.998	6 daily	
Calaveras	2019-2020	38.286	-120.193	12/18/2019	0.25	0.25	10	2.5 day_req	0.998	6 daily	
Calaveras	2019-2020	38.288	-120.293	12/5/2019	0	0.5	5	0 seas_req	0.002	7 seasonal	
Calaveras	2019-2020	38.288	-120.293	12/6/2019	0	0.5	5	0 seas_req	0.002	7 seasonal	
Calaveras	2019-2020	38.288	-120.293	6/8/2020	0	57	5	0 seas_req	0.002	7 seasonal	
Calaveras	2019-2020	38.288	-120.293	6/9/2020	0	80	5	0 seas_req	0.002	7 seasonal	
Calaveras	2019-2020	38.288	-120.293	6/10/2020	0	80	5	0 seas_req	0.002	7 seasonal	
Calaveras	2019-2020	38.302	-120.703	6/19/2020	0	7	1	0 day_req	NA	NA	single_day
Calaveras	2019-2020	38.319	-120.262	12/11/2019	4	4	1	4 day_req	NA	NA	single_day
Calaveras	2019-2020	38.38	-120.43	12/5/2019	20	20	1	20 day_req	NA	NA	single_day
Calaveras	2019-2020	38.394	-120.392	12/9/2019	0	1	2	0 day_req	1	6 daily	
Calaveras	2019-2020	38.394	-120.392	12/13/2019	1	1	2	1 day_req	1	6 daily	
Calaveras	2019-2020	38.394	-120.39	12/9/2019	0	1	2	0 day_req	1	6 daily	
Calaveras	2019-2020	38.394	-120.39	12/13/2019	1	1	2	1 day_req	1	6 daily	
Calaveras	2019-2020	38.395	-120.391	12/9/2019	0	1	2	0 day_req	1	6 daily	
Calaveras	2019-2020	38.395	-120.391	12/13/2019	1	1	2	1 day_req	1	6 daily	
Calaveras	2019-2020	38.403	-120.334	12/13/2019	1	1	1	1 day_req	NA	NA	single_day
Calaveras	2019-2020	38.403	-120.333	12/13/2019	1	1	1	1 day_req	NA	NA	single_day
Calaveras	2019-2020	38.404	-120.333	12/9/2019	2	2	2	2 day_req	1	6 daily	
Calaveras	2019-2020	38.404	-120.333	12/13/2019	2	2	2	4 day_req	1	6 daily	
Calaveras	2019-2020	38.404	-120.332	12/9/2019	0	1	2	0 day_req	1	6 daily	
Calaveras	2019-2020	38.404	-120.332	12/13/2019	1	1	2	1 day_req	1	6 daily	
Calaveras	2019-2020	38.405	-120.332	12/9/2019	0	2	2	0 day_req	1	6 daily	
Calaveras	2019-2020	38.405	-120.332	12/13/2019	2	2	2	2 day_req	1	6 daily	

Calaveras	2019-2020	38.406	-120.358	12/13/2019	5	5	1	5 day_req	NA	NA	single_day
Calaveras	2019-2020	38.406	-120.332	12/9/2019	0	1	2	0 day_req		1	6 daily
Calaveras	2019-2020	38.406	-120.332	12/13/2019	1	1	2	1 day_req		1	6 daily
Calaveras	2019-2020	38.407	-120.372	12/13/2019	1	17	2	1 day_req		1	6 daily
Calaveras	2019-2020	38.407	-120.372	12/17/2019	17	17	2	18 day_req		1	6 daily
Calaveras	2019-2020	38.408	-120.365	12/9/2019	0	1	2	0 day_req		1	6 daily
Calaveras	2019-2020	38.408	-120.365	12/13/2019	1	1	2	1 day_req		1	6 daily
Calaveras	2019-2020	38.409	-120.349	12/9/2019	0	1	2	0 day_req		1	6 daily
Calaveras	2019-2020	38.409	-120.349	12/13/2019	1	1	2	1 day_req		1	6 daily
Calaveras	2019-2020	38.409	-120.345	12/13/2019	9	9	1	9 day_req	NA	NA	single_day
Calaveras	2019-2020	38.409	-120.253	12/31/2019	40	40	1	40 day_req	NA	NA	single_day
Calaveras	2019-2020	38.41	-120.367	12/13/2019	1	14	2	1 day_req		1	6 daily
Calaveras	2019-2020	38.41	-120.367	12/17/2019	14	14	2	15 day_req		1	6 daily
Calaveras	2019-2020	38.41	-120.155	9/17/2019	0	5	10	0 seas_req		0	7 seasonal
Calaveras	2019-2020	38.41	-120.155	2/10/2020	0	5	10	0 seas_req		0	7 seasonal
Calaveras	2019-2020	38.41	-120.155	2/24/2020	0	5	10	0 seas_req		0	7 seasonal
Calaveras	2019-2020	38.41	-120.155	3/10/2020	0	5	10	0 seas_req		0	7 seasonal
Calaveras	2019-2020	38.41	-120.155	3/11/2020	5	5	10	5 seas_req		0	7 seasonal
Calaveras	2019-2020	38.41	-120.155	3/12/2020	0	5	10	5 seas_req		0	7 seasonal
Calaveras	2019-2020	38.41	-120.155	5/13/2020	0	20	10	5 seas_req		0	7 seasonal
Calaveras	2019-2020	38.41	-120.155	5/19/2020	8	30	10	13 seas_req		0	7 seasonal
Calaveras	2019-2020	38.41	-120.155	5/20/2020	2	5	10	15 seas_req		0	7 seasonal
Calaveras	2019-2020	38.41	-120.155	5/21/2020	1	5	10	16 seas_req		0	7 seasonal
Calaveras	2019-2020	38.412	-120.344	12/13/2019	0	9	1	0 day_req	NA	NA	single_day
Calaveras	2019-2020	38.413	-120.428	12/5/2019	0	1	1	0 day_req	NA	NA	single_day
Calaveras	2019-2020	38.415	-120.429	12/13/2019	1	17	2	1 seas_req		0.018	7 seasonal
Calaveras	2019-2020	38.415	-120.429	12/17/2019	10	17	2	11 seas_req		0.018	7 seasonal
Calaveras	2019-2020	38.415	-120.428	12/5/2019	1	1	1	1 day_req	NA	NA	single_day
Calaveras	2019-2020	38.422	-120.221	9/30/2019	30	30	4	30 day_req		0.978	6 daily
Calaveras	2019-2020	38.422	-120.221	10/7/2019	14	20	4	44 day_req		0.978	6 daily
Calaveras	2019-2020	38.422	-120.221	10/8/2019	8	20	4	52 day_req		0.978	6 daily
Calaveras	2019-2020	38.422	-120.221	10/9/2019	20	20	4	72 day_req		0.978	6 daily
Calaveras	2019-2020	38.423	-120.29	3/13/2020	0	50	3	0 seas_req		0	7 seasonal
Calaveras	2019-2020	38.423	-120.29	3/14/2020	0	25	3	0 seas_req		0	7 seasonal
Calaveras	2019-2020	38.423	-120.29	4/18/2020	0	100	3	0 seas_req		0	7 seasonal
Calaveras	2019-2020	38.433	-120.464	11/22/2019	12	12	1	12 day_req	NA	NA	single_day
Calaveras	2019-2020	38.435	-120.458	12/5/2019	0	28	1	0 day_req	NA	NA	single_day
Calaveras	2019-2020	38.436	-120.468	2/12/2020	30	45	6	30 day_req		0.988	6 daily
Calaveras	2019-2020	38.436	-120.468	2/20/2020	30	30	6	60 day_req		0.988	6 daily
Calaveras	2019-2020	38.436	-120.468	4/29/2020	37	37	6	97 day_req		0.988	6 daily

Calaveras	2019-2020	38.436	-120.468	5/11/2020	20	20	6	117 day_req	0.988	6 daily
Calaveras	2019-2020	38.436	-120.468	5/15/2020	10	10	6	127 day_req	0.988	6 daily
Calaveras	2019-2020	38.436	-120.468	6/5/2020	20	20	6	147 day_req	0.988	6 daily
Calaveras	2019-2020	38.436	-120.452	12/5/2019	13	13	1	13 day_req	NA	single_day
Calaveras	2019-2020	38.439	-120.479	12/6/2019	1	1	1	1 day_req	NA	single_day
Calaveras	2019-2020	38.439	-120.457	12/5/2019	1	1	1	1 day_req	NA	single_day
Calaveras	2019-2020	38.44	-120.458	4/3/2020	9	12	1	9 day_req	NA	single_day
Calaveras	2019-2020	38.44	-120.448	12/5/2019	38	38	1	38 day_req	NA	single_day
Calaveras	2019-2020	38.441	-120.477	12/6/2019	8	8	1	8 day_req	NA	single_day
Calaveras	2019-2020	38.442	-120.479	4/3/2020	10	11	1	10 day_req	NA	single_day
Calaveras	2019-2020	38.465	-120.151	9/16/2019	0	100	1	0 day_req	NA	single_day
Calaveras	2020-2021	38.012	-120.317	6/9/2021	42	38	1	42 day_req	NA	single_day
Calaveras	2020-2021	38.05	-120.537	6/12/2021	0	20	1	0 day_req	NA	single_day
Calaveras	2020-2021	38.134	-120.812	2/12/2021	0	10	2	0 day_req	0.998	6 daily
Calaveras	2020-2021	38.134	-120.812	3/2/2021	10	10	2	10 day_req	0.998	6 daily
Calaveras	2020-2021	38.154	-120.826	4/21/2021	10	10	2	10 day_req	0.902	1 daily
Calaveras	2020-2021	38.154	-120.826	5/24/2021	14	6	2	24 day_req	0.902	1 daily
Calaveras	2020-2021	38.158	-120.827	12/16/2020	7.5	35	3	7.5 seas_req	0.002	2 seasonal
Calaveras	2020-2021	38.158	-120.827	2/11/2021	0	44	3	7.5 seas_req	0.002	2 seasonal
Calaveras	2020-2021	38.158	-120.827	3/2/2021	10	44	3	17.5 seas_req	0.002	2 seasonal
Calaveras	2020-2021	38.158	-120.811	5/20/2021	14	12	1	14 day_req	NA	single_day
Calaveras	2020-2021	38.174	-120.631	12/5/2020	0	40	2	0 seas_req	0.008	7 seasonal
Calaveras	2020-2021	38.174	-120.631	12/6/2020	9.5	40	2	9.5 seas_req	0.008	7 seasonal
Calaveras	2020-2021	38.175	-120.631	12/5/2020	35	10	2	35 day_req	0.978	1 daily
Calaveras	2020-2021	38.175	-120.631	12/6/2020	7	10	2	42 day_req	0.978	1 daily
Calaveras	2020-2021	38.187	-120.668	6/11/2021	14	14	1	14 day_req	NA	single_day
Calaveras	2020-2021	38.197	-120.367	1/18/2021	1	1	1	1 day_req	NA	single_day
Calaveras	2020-2021	38.2	-120.696	6/2/2021	6	58	2	6 seas_req	0.036	7 seasonal
Calaveras	2020-2021	38.2	-120.696	6/3/2021	57	66	2	63 seas_req	0.036	7 seasonal
Calaveras	2020-2021	38.233	-120.378	1/28/2021	0	157	1	0 day_req	NA	single_day
Calaveras	2020-2021	38.235	-120.365	4/30/2021	8	8	1	8 day_req	NA	single_day
Calaveras	2020-2021	38.254	-120.302	1/25/2021	1	1	2	1 day_req	1	6 daily
Calaveras	2020-2021	38.254	-120.302	1/27/2021	1	1	2	2 day_req	1	6 daily
Calaveras	2020-2021	38.265	-120.318	12/28/2020	1	0.5	2	1 day_req	0.882	1 daily
Calaveras	2020-2021	38.265	-120.318	4/16/2021	1	1.5	2	2 day_req	0.882	1 daily
Calaveras	2020-2021	38.272	-120.302	12/28/2020	1	0.5	1	1 day_req	NA	single_day
Calaveras	2020-2021	38.278	-120.352	3/31/2021	109.18	7.54	1	109.18 day_req	NA	single_day
Calaveras	2020-2021	38.28	-120.316	11/12/2020	0	26	1	0 day_req	NA	single_day
Calaveras	2020-2021	38.29	-120.34	1/28/2021	0	554.8	2	0 day_req	0.592	8 uncertain
Calaveras	2020-2021	38.29	-120.34	3/2/2021	117	17.19	2	117 day_req	0.592	8 uncertain

Calaveras	2020-2021	38.292	-120.315	1/6/2021	40	40	1	40 day_req	NA	NA	single_day
Calaveras	2020-2021	38.302	-120.703	11/11/2020	35	7	1	35 day_req	NA	NA	single_day
Calaveras	2020-2021	38.319	-120.143	1/25/2021	2	14.52	1	2 day_req	NA	NA	single_day
Calaveras	2020-2021	38.377	-120.196	1/18/2021	3	3	1	3 day_req	NA	NA	single_day
Calaveras	2020-2021	38.397	-120.265	1/13/2021	0	55.12	2	0 seas_req		0	7 seasonal
Calaveras	2020-2021	38.397	-120.265	1/25/2021	0	55.12	2	0 seas_req		0	7 seasonal
Calaveras	2020-2021	38.41	-120.079	1/12/2021	0	26.5	2	0 seas_req		0	7 seasonal
Calaveras	2020-2021	38.41	-120.079	1/18/2021	30	74.73	2	30 seas_req		0	7 seasonal
Calaveras	2020-2021	38.416	-120.266	1/18/2021	20.9	57.63	1	20.9 day_req	NA	NA	single_day
Calaveras	2020-2021	38.421	-120.217	1/13/2021	0	90.98	1	0 day_req	NA	NA	single_day
Calaveras	2020-2021	38.422	-120.295	12/3/2020	62	75	1	62 day_req	NA	NA	single_day
Calaveras	2020-2021	38.429	-120.127	2/9/2021	415.34	415.34	1	415.34 day_req	NA	NA	single_day
Calaveras	2020-2021	38.431	-120.095	1/25/2021	0	16.93	1	0 day_req	NA	NA	single_day
Calaveras	2020-2021	38.436	-120.468	12/1/2020	30	50	5	30 seas_req		0.258	7 seasonal
Calaveras	2020-2021	38.436	-120.468	1/19/2021	47	51	5	77 seas_req		0.258	7 seasonal
Calaveras	2020-2021	38.436	-120.468	3/3/2021	47	47	5	124 seas_req		0.258	7 seasonal
Calaveras	2020-2021	38.436	-120.468	4/2/2021	13.5	44	5	137.5 seas_req		0.258	7 seasonal
Calaveras	2020-2021	38.436	-120.468	4/6/2021	30	22	5	167.5 seas_req		0.258	7 seasonal
Calaveras	2020-2021	38.437	-120.08	1/18/2021	0	187.76	1	0 day_req	NA	NA	single_day
Calaveras	2020-2021	38.443	-120.082	1/12/2021	29	29	1	29 day_req	NA	NA	single_day
Calaveras	2020-2021	38.446	-120.378	12/15/2020	21	21	4	21 day_req		0.948	6 daily
Calaveras	2020-2021	38.446	-120.378	12/16/2020	0	4	4	21 day_req		0.948	6 daily
Calaveras	2020-2021	38.446	-120.378	12/27/2020	0	4	4	21 day_req		0.948	6 daily
Calaveras	2020-2021	38.446	-120.378	1/2/2021	4	4	4	25 day_req		0.948	6 daily
Calaveras	2020-2021	38.464	-120.221	12/16/2020	0	16	2	0 day_req		0.998	6 daily
Calaveras	2020-2021	38.464	-120.221	12/23/2020	16	16	2	16 day_req		0.998	6 daily
Tuolumne	2018-2019	37.808	-120.102	5/2/2019	84	84	1	84 day_req	NA	NA	single_day
Tuolumne	2018-2019	37.817	-120.092	5/1/2019	15	51	1	15 day_req	NA	NA	single_day
Tuolumne	2018-2019	37.818	-120.1	5/1/2019	99	23	1	99 day_req	NA	NA	single_day
Tuolumne	2018-2019	37.897	-120.053	11/1/2018	402	402	1	402 day_req	NA	NA	single_day
Tuolumne	2018-2019	37.897	-120.039	11/6/2018	0	565	1	0 day_req	NA	NA	single_day
Tuolumne	2018-2019	37.922	-120.042	10/24/2018	706	706	1	706 day_req	NA	NA	single_day
Tuolumne	2019-2020	36.234	-120.255	11/11/2019	15	20	5	15 seas_req		0.008	7 seasonal
Tuolumne	2019-2020	36.234	-120.255	12/4/2019	0	2	5	15 seas_req		0.008	7 seasonal
Tuolumne	2019-2020	36.234	-120.255	12/5/2019	0	2	5	15 seas_req		0.008	7 seasonal
Tuolumne	2019-2020	36.234	-120.255	12/6/2019	0	2	5	15 seas_req		0.008	7 seasonal
Tuolumne	2019-2020	36.234	-120.255	12/10/2019	0	0.25	5	15 seas_req		0.008	7 seasonal
Tuolumne	2019-2020	37.817	-120.129	2/6/2020	0	16	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	37.838	-119.95	1/16/2020	0	240	2	0 seas_req		0.004	2 seasonal
Tuolumne	2019-2020	37.838	-119.95	1/23/2020	69	69	2	69 seas_req		0.004	2 seasonal

Tuolumne	2019-2020	37.848	-119.887	1/15/2020	441	441	8	441 day_req	0.748	8 daily	
Tuolumne	2019-2020	37.848	-119.887	1/22/2020	451	451	8	892 day_req	0.748	8 daily	
Tuolumne	2019-2020	37.848	-119.887	1/23/2020	394	394	8	1286 day_req	0.748	8 daily	
Tuolumne	2019-2020	37.848	-119.887	1/27/2020	144	144	8	1430 day_req	0.748	8 daily	
Tuolumne	2019-2020	37.848	-119.887	1/28/2020	288	288	8	1718 day_req	0.748	8 daily	
Tuolumne	2019-2020	37.848	-119.887	1/29/2020	55	55	8	1773 day_req	0.748	8 daily	
Tuolumne	2019-2020	37.848	-119.887	1/30/2020	113	113	8	1886 day_req	0.748	8 daily	
Tuolumne	2019-2020	37.848	-119.887	2/10/2020	0	75	8	1886 day_req	0.748	8 daily	
Tuolumne	2019-2020	37.865	-119.87	2/10/2020	0	38	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	37.948	-120.026	1/6/2020	400	400	9	400 day_req	0.664	8 daily	
Tuolumne	2019-2020	37.948	-120.026	1/7/2020	400	400	9	800 day_req	0.664	8 daily	
Tuolumne	2019-2020	37.948	-120.026	1/8/2020	450	450	9	1250 day_req	0.664	8 daily	
Tuolumne	2019-2020	37.948	-120.026	1/9/2020	400	400	9	1650 day_req	0.664	8 daily	
Tuolumne	2019-2020	37.948	-120.026	1/10/2020	400	400	9	2050 day_req	0.664	8 daily	
Tuolumne	2019-2020	37.948	-120.026	1/14/2020	0	400	9	2050 day_req	0.664	8 daily	
Tuolumne	2019-2020	37.948	-120.026	1/21/2020	400	400	9	2450 day_req	0.664	8 daily	
Tuolumne	2019-2020	37.948	-120.026	1/24/2020	101	101	9	2551 day_req	0.664	8 daily	
Tuolumne	2019-2020	37.948	-120.026	2/10/2020	0	29	9	2551 day_req	0.664	8 daily	
Tuolumne	2019-2020	37.968	-120.209	2/3/2020	146.9	146.9	1	146.9 day_req	NA	NA	single_day
Tuolumne	2019-2020	37.985	-120.032	1/13/2020	400	400	1	400 day_req	NA	NA	single_day
Tuolumne	2019-2020	37.99	-120.09	12/13/2019	274.4	274.4	1	274.4 day_req	NA	NA	single_day
Tuolumne	2019-2020	37.997	-120.027	1/24/2020	67	67	1	67 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.033	-120.4	4/24/2020	0.25	0.25	1	0.25 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.041	-120.266	2/18/2020	75.5	75.5	1	75.5 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.041	-120.244	2/10/2020	0	1006	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.041	-120.112	3/16/2020	48.9	97.8	1	48.9 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.064	-120.106	12/5/2019	0	672.9	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.066	-120.205	1/29/2020	0	102.6	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.067	-120.106	12/9/2019	0	43.3	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.086	-120.068	12/5/2019	0	127.5	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.087	-120.141	1/9/2020	0	37.5	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.095	-120.216	12/5/2019	0	199.9	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.097	-120.066	12/5/2019	0	387.6	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.115	-120.119	1/8/2020	0	16.2	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.157	-120.259	1/13/2020	0	306.9	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.176	-119.912	10/1/2019	0	44.4	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.177	-119.952	10/1/2019	0	9.6	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.18	-120.024	10/1/2019	0	93.3	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.181	-120.009	10/1/2019	0	128.9	2	0 day_req	0.948	6 daily	
Tuolumne	2019-2020	38.181	-120.009	1/21/2020	128.9	128.9	2	128.9 day_req	0.948	6 daily	

Tuolumne	2019-2020	38.183	-120.025	10/1/2019	0	46.5	4	0 seas_req		0.026	2 seasonal
Tuolumne	2019-2020	38.183	-120.025	1/9/2020	20	20	4	20 seas_req		0.026	2 seasonal
Tuolumne	2019-2020	38.183	-120.025	1/13/2020	18.7	18.7	4	38.7 seas_req		0.026	2 seasonal
Tuolumne	2019-2020	38.183	-120.025	1/14/2020	10	10	4	48.7 seas_req		0.026	2 seasonal
Tuolumne	2019-2020	38.183	-119.926	10/1/2019	0	1175.3	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.192	-119.981	10/1/2019	0	390.7	3	0 seas_req		0.198	2 seasonal
Tuolumne	2019-2020	38.192	-119.981	1/21/2020	90.7	90.7	3	90.7 seas_req		0.198	2 seasonal
Tuolumne	2019-2020	38.192	-119.981	1/27/2020	100	150	3	190.7 seas_req		0.198	2 seasonal
Tuolumne	2019-2020	38.221	-119.983	10/1/2019	200	262.9	6	200 seas_req		0.016	7 seasonal
Tuolumne	2019-2020	38.221	-119.983	1/7/2020	50	100	6	250 seas_req		0.016	7 seasonal
Tuolumne	2019-2020	38.221	-119.983	1/8/2020	100	60	6	350 seas_req		0.016	7 seasonal
Tuolumne	2019-2020	38.221	-119.983	1/9/2020	50.9	50	6	400.9 seas_req		0.016	7 seasonal
Tuolumne	2019-2020	38.221	-119.983	1/13/2020	4.3	62.9	6	405.2 seas_req		0.016	7 seasonal
Tuolumne	2019-2020	38.221	-119.983	1/14/2020	10	10	6	415.2 seas_req		0.016	7 seasonal
Tuolumne	2019-2020	38.231	-120.016	10/1/2019	0	199	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.235	-119.993	10/1/2019	0	100.3	4	0 seas_req		0.112	2 seasonal
Tuolumne	2019-2020	38.235	-119.993	1/7/2020	50	50	4	50 seas_req		0.112	2 seasonal
Tuolumne	2019-2020	38.235	-119.993	1/8/2020	50	50	4	100 seas_req		0.112	2 seasonal
Tuolumne	2019-2020	38.235	-119.993	1/9/2020	0.3	0.3	4	100.3 seas_req		0.112	2 seasonal
Tuolumne	2019-2020	38.235	-119.915	10/1/2019	0	1.1	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.28	-119.971	10/1/2019	0	24.9	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.295	-119.942	10/1/2019	0	144.6	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.334	-119.865	10/1/2019	0	8.5	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.346	-119.832	10/1/2019	0	867.9	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.358	-119.877	10/4/2019	0	39.8	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.367	-119.904	10/4/2019	0	291.3	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.388	-119.815	10/4/2019	0	333.9	1	0 day_req	NA	NA	single_day
Tuolumne	2019-2020	38.968	-120.209	12/5/2019	0	1101.1	1	0 day_req	NA	NA	single_day
Tuolumne	2020-2021	37.821	-120.047	1/27/2021	0	6	2	0 seas_req		0.006	7 seasonal
Tuolumne	2020-2021	37.821	-120.047	3/2/2021	36	55	2	36 seas_req		0.006	7 seasonal
Tuolumne	2020-2021	37.848	-119.933	2/2/2021	0	140	12	0 day_req		0.834	8 daily
Tuolumne	2020-2021	37.848	-119.933	2/4/2021	192	281	12	192 day_req		0.834	8 daily
Tuolumne	2020-2021	37.848	-119.933	2/8/2021	0	281	12	192 day_req		0.834	8 daily
Tuolumne	2020-2021	37.848	-119.933	2/9/2021	0	89	12	192 day_req		0.834	8 daily
Tuolumne	2020-2021	37.848	-119.933	2/22/2021	213	750	12	405 day_req		0.834	8 daily
Tuolumne	2020-2021	37.848	-119.933	3/1/2021	0	627	12	405 day_req		0.834	8 daily
Tuolumne	2020-2021	37.848	-119.933	3/2/2021	0	2238	12	405 day_req		0.834	8 daily
Tuolumne	2020-2021	37.848	-119.933	3/3/2021	0	627	12	405 day_req		0.834	8 daily
Tuolumne	2020-2021	37.848	-119.933	3/4/2021	0	627	12	405 day_req		0.834	8 daily
Tuolumne	2020-2021	37.848	-119.933	3/5/2021	0	627	12	405 day_req		0.834	8 daily

Tuolumne	2020-2021	37.848	-119.933	3/6/2021	0	627	12	405 day_req	0.834	8 daily
Tuolumne	2020-2021	37.848	-119.933	3/8/2021	165	627	12	570 day_req	0.834	8 daily
Tuolumne	2020-2021	37.858	-119.894	2/2/2021	4	306	1	4 day_req	NA	NA single_day
Tuolumne	2020-2021	37.886	-120.066	2/1/2021	0	12.5	8	0 seas_req	0.006	7 seasonal
Tuolumne	2020-2021	37.886	-120.066	3/1/2021	0	59	8	0 seas_req	0.006	7 seasonal
Tuolumne	2020-2021	37.886	-120.066	3/2/2021	0	59	8	0 seas_req	0.006	7 seasonal
Tuolumne	2020-2021	37.886	-120.066	3/3/2021	0	59	8	0 seas_req	0.006	7 seasonal
Tuolumne	2020-2021	37.886	-120.066	3/4/2021	0	59	8	0 seas_req	0.006	7 seasonal
Tuolumne	2020-2021	37.886	-120.066	3/5/2021	0	59	8	0 seas_req	0.006	7 seasonal
Tuolumne	2020-2021	37.886	-120.066	3/6/2021	0	59	8	0 seas_req	0.006	7 seasonal
Tuolumne	2020-2021	37.886	-120.066	3/8/2021	0	59	8	0 seas_req	0.006	7 seasonal
Tuolumne	2020-2021	37.889	-120.056	2/8/2021	0	99	2	0 seas_req	0	7 seasonal
Tuolumne	2020-2021	37.889	-120.056	2/9/2021	0	99	2	0 seas_req	0	7 seasonal
Tuolumne	2020-2021	37.91	-120.045	1/11/2021	63	72	17	63 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	1/12/2021	70	61	17	133 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	1/13/2021	132	136	17	265 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	1/19/2021	0	486	17	265 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	1/20/2021	0	486	17	265 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	2/8/2021	0	500	17	265 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	2/9/2021	120	500	17	385 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	2/16/2021	250	250	17	635 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	2/17/2021	186	343	17	821 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	2/18/2021	100	100	17	921 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	3/1/2021	0	685	17	921 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	3/2/2021	0	685	17	921 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	3/3/2021	0	685	17	921 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	3/4/2021	135	685	17	1056 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	3/5/2021	170	685	17	1226 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	3/6/2021	153	550	17	1379 day_req	0.91	8 daily
Tuolumne	2020-2021	37.91	-120.045	3/8/2021	0	380	17	1379 day_req	0.91	8 daily
Tuolumne	2020-2021	37.915	-120.061	2/8/2021	0	158	2	0 seas_req	0	7 seasonal
Tuolumne	2020-2021	37.915	-120.061	2/9/2021	0	158	2	0 seas_req	0	7 seasonal
Tuolumne	2020-2021	37.962	-119.89	1/11/2021	0	72	1	0 day_req	NA	NA single_day
Tuolumne	2020-2021	37.983	-120.022	1/14/2021	0	14	1	0 day_req	NA	NA single_day
Tuolumne	2020-2021	37.988	-120.046	1/13/2021	0	733	1	0 day_req	NA	NA single_day
Tuolumne	2020-2021	37.988	-119.939	1/12/2021	0	12	1	0 day_req	NA	NA single_day
Tuolumne	2020-2021	37.989	-119.939	1/12/2021	0	10	1	0 day_req	NA	NA single_day
Tuolumne	2020-2021	38.042	-120.082	1/13/2021	0	6	1	0 day_req	NA	NA single_day
Tuolumne	2020-2021	38.056	-120.179	3/1/2021	415.34	5.4	1	415.34 day_req	NA	NA single_day
Tuolumne	2020-2021	38.065	-120.303	1/25/2021	0	52.9	1	0 day_req	NA	NA single_day

Tuolumne	2020-2021	38.066	-120.205	1/28/2021	0	85.6	1	0 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.068	-120.209	1/28/2021	0	1	1	0 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.068	-120.073	1/28/2021	0	74.5	1	0 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.072	-120.169	4/13/2021	47	60	2	47 day_req		0.914	6 daily
Tuolumne	2020-2021	38.072	-120.169	4/27/2021	12	12	2	59 day_req		0.914	6 daily
Tuolumne	2020-2021	38.076	-120.209	1/28/2021	0	50.5	1	0 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.081	-120.073	1/20/2021	1041	1041	1	1041 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.087	-120.141	1/28/2021	0	37.5	1	0 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.093	-120.187	1/27/2021	0	1.4	1	0 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.095	-120.216	1/28/2021	0	199.9	1	0 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.099	-120.106	1/27/2021	0	43.3	1	0 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.115	-120.119	1/27/2021	0	16.2	1	0 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.119	-120.116	1/27/2021	0	5.8	1	0 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.14	-120.093	2/10/2021	17.3	17.3	1	17.3 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.18	-120.024	1/11/2021	25	25	4	25 seas_req		0	2 seasonal
Tuolumne	2020-2021	38.18	-120.024	1/14/2021	0	143.1	4	25 seas_req		0	2 seasonal
Tuolumne	2020-2021	38.18	-120.024	2/9/2021	15	148.1	4	40 seas_req		0	2 seasonal
Tuolumne	2020-2021	38.18	-120.024	2/10/2021	100	138.1	4	140 seas_req		0	2 seasonal
Tuolumne	2020-2021	38.181	-120.009	1/25/2021	0	128.9	2	0 seas_req		0.006	7 seasonal
Tuolumne	2020-2021	38.181	-120.009	2/10/2021	100	128.9	2	100 seas_req		0.006	7 seasonal
Tuolumne	2020-2021	38.183	-120.025	1/25/2021	0	46.5	1	0 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.221	-119.983	1/12/2021	190	262.9	1	190 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.28	-119.971	2/11/2021	22	24.9	1	22 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.295	-120.209	1/27/2021	0	95.5	1	0 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.346	-119.832	2/16/2021	0	311.5	2	0 seas_req		0	7 seasonal
Tuolumne	2020-2021	38.346	-119.832	3/1/2021	0	311.5	2	0 seas_req		0	7 seasonal
Tuolumne	2020-2021	38.366	-119.872	2/16/2021	0	26.5	1	0 day_req	NA	NA	single_day
Tuolumne	2020-2021	38.387	-120.093	11/17/2020	34.2	34.2	1	34.2 day_req	NA	NA	single_day
Great Basin	2018-2019	36.812	-118.144	1/8/2019	20	30	16	20 seas_req		0.254	9 seasonal
Great Basin	2018-2019	36.812	-118.144	1/9/2019	21	30	16	41 seas_req		0.254	9 seasonal
Great Basin	2018-2019	36.812	-118.144	1/10/2019	15	30	16	56 seas_req		0.254	9 seasonal
Great Basin	2018-2019	36.812	-118.144	1/11/2019	30	30	16	86 seas_req		0.254	9 seasonal
Great Basin	2018-2019	36.812	-118.144	1/14/2019	15	30	16	101 seas_req		0.254	9 seasonal
Great Basin	2018-2019	36.812	-118.144	1/15/2019	30	30	16	131 seas_req		0.254	9 seasonal
Great Basin	2018-2019	36.812	-118.144	1/16/2019	50	50	16	181 seas_req		0.254	9 seasonal
Great Basin	2018-2019	36.812	-118.144	1/22/2019	0	50	16	181 seas_req		0.254	9 seasonal
Great Basin	2018-2019	36.812	-118.144	1/24/2019	25	50	16	206 seas_req		0.254	9 seasonal
Great Basin	2018-2019	36.812	-118.144	1/25/2019	22	50	16	228 seas_req		0.254	9 seasonal
Great Basin	2018-2019	36.812	-118.144	1/29/2019	20	40	16	248 seas_req		0.254	9 seasonal
Great Basin	2018-2019	36.812	-118.144	1/30/2019	30	50	16	278 seas_req		0.254	9 seasonal



Great Basin	2018-2019	36.812	-118.144	1/31/2019	10	22	16	288 seas_req	0.254	9 seasonal
Great Basin	2018-2019	36.812	-118.144	2/1/2019	8	12	16	296 seas_req	0.254	9 seasonal
Great Basin	2018-2019	36.812	-118.144	2/4/2019	0	4	16	296 seas_req	0.254	9 seasonal
Great Basin	2018-2019	36.812	-118.144	2/5/2019	4	4	16	300 seas_req	0.254	9 seasonal
Great Basin	2018-2019	36.846	-118.196	1/15/2019	0	160	4	0 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.846	-118.196	2/26/2019	160	320	4	160 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.846	-118.196	3/18/2019	0	160	4	160 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.846	-118.196	3/19/2019	160	160	4	320 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.882	-118.206	3/21/2019	0	180	2	0 seas_req	0.026	9 seasonal
Great Basin	2018-2019	36.882	-118.206	3/22/2019	0	180	2	0 seas_req	0.026	9 seasonal
Great Basin	2018-2019	36.914	-118.193	12/27/2018	0	89	15	0 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.914	-118.193	1/2/2019	17	75	15	17 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.914	-118.193	1/3/2019	0	30	15	17 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.914	-118.193	1/4/2019	0	30	15	17 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.914	-118.193	1/7/2019	2	5	15	19 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.914	-118.193	2/6/2019	0	50	15	19 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.914	-118.193	2/7/2019	0	50	15	19 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.914	-118.193	2/8/2019	0	50	15	19 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.914	-118.193	2/11/2019	25	50	15	44 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.914	-118.193	2/12/2019	50	50	15	94 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.914	-118.193	2/15/2019	0	50	15	94 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.914	-118.193	2/19/2019	5	73	15	99 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.914	-118.193	2/20/2019	20	68	15	119 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.914	-118.193	2/22/2019	0	48	15	119 seas_req	0.048	9 seasonal
Great Basin	2018-2019	36.914	-118.193	3/4/2019	48	48	15	167 seas_req	0.048	9 seasonal
Great Basin	2018-2019	37.512	-118.636	12/7/2018	0	57	5	0 seas_req	0.006	2 seasonal
Great Basin	2018-2019	37.512	-118.636	12/10/2018	8	8	5	8 seas_req	0.006	2 seasonal
Great Basin	2018-2019	37.512	-118.636	2/4/2019	5	120	5	13 seas_req	0.006	2 seasonal
Great Basin	2018-2019	37.512	-118.636	3/18/2019	10	10	5	23 seas_req	0.006	2 seasonal
Great Basin	2018-2019	37.512	-118.636	3/19/2019	20	20	5	43 seas_req	0.006	2 seasonal
Great Basin	2018-2019	37.56	-118.677	11/29/2018	10	10	1	10 day_req	NA	single_day
Great Basin	2018-2019	37.564	-118.675	4/1/2019	40	90	1	40 day_req	NA	single_day
Great Basin	2018-2019	37.654	-118.993	11/27/2018	19	21	2	19 seas_req	0.146	7 seasonal
Great Basin	2018-2019	37.654	-118.993	11/28/2018	0	2	2	19 seas_req	0.146	7 seasonal
Great Basin	2018-2019	37.704	-118.916	12/4/2018	25.7	11.8	1	25.7 day_req	NA	single_day
Great Basin	2018-2019	37.706	-118.916	12/4/2018	75	25.7	1	75 day_req	NA	single_day
Great Basin	2018-2019	37.707	-118.918	12/4/2018	0	37.6	2	0 seas_req	0.004	7 seasonal
Great Basin	2018-2019	37.707	-118.918	12/8/2018	11.8	37.6	2	11.8 seas_req	0.004	7 seasonal
Great Basin	2018-2019	37.708	-118.938	12/4/2018	0	53	2	0 seas_req	0.002	7 seasonal
Great Basin	2018-2019	37.708	-118.938	12/10/2018	37.6	53	2	37.6 seas_req	0.002	7 seasonal

Great Basin	2018-2019	37.708	-118.905	6/3/2019	80	120	2	80 day_req	0.904	6 daily	
Great Basin	2018-2019	37.708	-118.905	6/4/2019	40	40	2	120 day_req	0.904	6 daily	
Great Basin	2018-2019	37.708	-118.895	5/3/2019	59.5	220	2	59.5 seas_req	0.14	2 seasonal	
Great Basin	2018-2019	37.708	-118.895	5/4/2019	72	72	2	131.5 seas_req	0.14	2 seasonal	
Great Basin	2018-2019	37.712	-118.981	10/23/2018	54	54	2	54 day_req	0.964	6 daily	
Great Basin	2018-2019	37.712	-118.981	6/19/2019	0	32	2	54 day_req	0.964	6 daily	
Great Basin	2018-2019	37.712	-118.931	12/3/2018	43.8	43.8	1	43.8 day_req	NA	NA	single_day
Great Basin	2018-2019	37.714	-118.922	12/4/2018	0	59.5	2	0 seas_req	0.026	7 seasonal	
Great Basin	2018-2019	37.714	-118.922	12/10/2018	53	59.5	2	53 seas_req	0.026	7 seasonal	
Great Basin	2018-2019	37.723	-118.903	12/3/2018	78	78	1	78 day_req	NA	NA	single_day
Great Basin	2018-2019	37.726	-118.903	5/8/2019	132	105	1	132 day_req	NA	NA	single_day
Great Basin	2018-2019	37.728	-118.901	12/3/2018	51	51	1	51 day_req	NA	NA	single_day
Great Basin	2018-2019	37.777	-119.103	11/1/2018	0	5	6	0 seas_req	0	2 seasonal	
Great Basin	2018-2019	37.777	-119.103	11/29/2018	0	25	6	0 seas_req	0	2 seasonal	
Great Basin	2018-2019	37.777	-119.103	11/30/2018	1	20	6	1 seas_req	0	2 seasonal	
Great Basin	2018-2019	37.777	-119.103	12/1/2018	7	11	6	8 seas_req	0	2 seasonal	
Great Basin	2018-2019	37.777	-119.103	12/11/2018	0.1	5	6	8.1 seas_req	0	2 seasonal	
Great Basin	2018-2019	37.777	-119.103	12/14/2018	10	10	6	18.1 seas_req	0	2 seasonal	
Great Basin	2018-2019	37.782	-118.97	6/20/2019	35	35	1	35 day_req	NA	NA	single_day
Great Basin	2018-2019	37.784	-118.964	6/20/2019	80	80	1	80 day_req	NA	NA	single_day
Great Basin	2018-2019	37.81	-119.079	11/29/2018	100	100	4	100 seas_req	0.092	2 seasonal	
Great Basin	2018-2019	37.81	-119.079	11/30/2018	0	138	4	100 seas_req	0.092	2 seasonal	
Great Basin	2018-2019	37.81	-119.079	12/12/2018	10	10	4	110 seas_req	0.092	2 seasonal	
Great Basin	2018-2019	37.81	-119.079	12/13/2018	5	80	4	115 seas_req	0.092	2 seasonal	
Great Basin	2018-2019	38.144	-119.366	11/26/2018	6	13	8	6 seas_req	0.002	7 seasonal	
Great Basin	2018-2019	38.144	-119.366	12/4/2018	0	8	8	6 seas_req	0.002	7 seasonal	
Great Basin	2018-2019	38.144	-119.366	12/6/2018	0	4	8	6 seas_req	0.002	7 seasonal	
Great Basin	2018-2019	38.144	-119.366	12/10/2018	2	8	8	8 seas_req	0.002	7 seasonal	
Great Basin	2018-2019	38.144	-119.366	12/11/2018	5	6	8	13 seas_req	0.002	7 seasonal	
Great Basin	2018-2019	38.144	-119.366	12/12/2018	1	5	8	14 seas_req	0.002	7 seasonal	
Great Basin	2018-2019	38.144	-119.366	12/17/2018	0	6	8	14 seas_req	0.002	7 seasonal	
Great Basin	2018-2019	38.144	-119.366	4/22/2019	0	12	8	14 seas_req	0.002	7 seasonal	
Great Basin	2018-2019	38.15	-119.349	11/27/2018	0	5	2	0 day_req	0.98	6 daily	
Great Basin	2018-2019	38.15	-119.349	11/28/2018	5	5	2	5 day_req	0.98	6 daily	
Great Basin	2018-2019	38.155	-119.149	3/2/2019	0	60	3	0 seas_req	0.008	7 seasonal	
Great Basin	2018-2019	38.155	-119.149	3/5/2019	0	107	3	0 seas_req	0.008	7 seasonal	
Great Basin	2018-2019	38.155	-119.149	3/9/2019	45	107	3	45 seas_req	0.008	7 seasonal	
Great Basin	2019-2020	36.882	-118.204	12/16/2019	0	93	3	0 day_req	0.642	1 daily	
Great Basin	2019-2020	36.882	-118.204	12/17/2019	0	93	3	0 day_req	0.642	1 daily	
Great Basin	2019-2020	36.882	-118.204	12/18/2019	180	93	3	180 day_req	0.642	1 daily	

Great Basin	2019-2020	37.273	-118.576	12/9/2019	20	40	4	20 seas_req	0	7 seasonal	
Great Basin	2019-2020	37.273	-118.576	1/16/2020	0	5	4	20 seas_req	0	7 seasonal	
Great Basin	2019-2020	37.273	-118.576	1/17/2020	5	8	4	25 seas_req	0	7 seasonal	
Great Basin	2019-2020	37.273	-118.576	3/17/2020	0	10	4	25 seas_req	0	7 seasonal	
Great Basin	2019-2020	37.508	-118.63	3/17/2020	35	35	1	35 day_req	NA	NA	single_day
Great Basin	2019-2020	37.564	-118.675	8/17/2019	10	10	1	10 day_req	NA	NA	single_day
Great Basin	2019-2020	37.594	-118.619	8/17/2019	547	827	1	547 day_req	NA	NA	single_day
Great Basin	2019-2020	37.605	-118.661	8/17/2019	170	295	1	170 day_req	NA	NA	single_day
Great Basin	2019-2020	37.62	-118.655	8/17/2019	163	163	1	163 day_req	NA	NA	single_day
Great Basin	2019-2020	37.715	-118.883	2/26/2020	180	360	4	180 seas_req	0.268	7 seasonal	
Great Basin	2019-2020	37.715	-118.883	2/27/2020	0	100	4	180 seas_req	0.268	7 seasonal	
Great Basin	2019-2020	37.715	-118.883	2/28/2020	180	230	4	360 seas_req	0.268	7 seasonal	
Great Basin	2019-2020	37.715	-118.883	3/13/2020	0	114	4	360 seas_req	0.268	7 seasonal	
Great Basin	2019-2020	37.777	-119.103	11/27/2019	2	5	4	2 seas_req	0.026	2 seasonal	
Great Basin	2019-2020	37.777	-119.103	12/2/2019	3	5	4	5 seas_req	0.026	2 seasonal	
Great Basin	2019-2020	37.777	-119.103	12/3/2019	0	5	4	5 seas_req	0.026	2 seasonal	
Great Basin	2019-2020	37.777	-119.103	12/12/2019	0	6	4	5 seas_req	0.026	2 seasonal	
Great Basin	2019-2020	37.81	-119.079	11/29/2019	20	20	8	20 seas_req	0.074	2 seasonal	
Great Basin	2019-2020	37.81	-119.079	11/30/2019	30	30	8	50 seas_req	0.074	2 seasonal	
Great Basin	2019-2020	37.81	-119.079	12/2/2019	15	30	8	65 seas_req	0.074	2 seasonal	
Great Basin	2019-2020	37.81	-119.079	12/3/2019	15	20	8	80 seas_req	0.074	2 seasonal	
Great Basin	2019-2020	37.81	-119.079	12/4/2019	25	30	8	105 seas_req	0.074	2 seasonal	
Great Basin	2019-2020	37.81	-119.079	12/5/2019	1	60	8	106 seas_req	0.074	2 seasonal	
Great Basin	2019-2020	37.81	-119.079	12/11/2019	20	20	8	126 seas_req	0.074	2 seasonal	
Great Basin	2019-2020	37.81	-119.079	1/27/2020	25	81	8	151 seas_req	0.074	2 seasonal	
Great Basin	2019-2020	38.081	-119.231	12/5/2019	5	5	5	5 day_req	0.598	7 uncertain	
Great Basin	2019-2020	38.081	-119.231	12/9/2019	1	3	5	6 day_req	0.598	7 uncertain	
Great Basin	2019-2020	38.081	-119.231	12/10/2019	2	2	5	8 day_req	0.598	7 uncertain	
Great Basin	2019-2020	38.081	-119.231	1/22/2020	3	7	5	11 day_req	0.598	7 uncertain	
Great Basin	2019-2020	38.081	-119.231	1/23/2020	3	4	5	14 day_req	0.598	7 uncertain	
Great Basin	2019-2020	38.144	-119.366	12/3/2019	5	5	3	5 day_req	0.84	6 daily	
Great Basin	2019-2020	38.144	-119.366	12/4/2019	5	5	3	10 day_req	0.84	6 daily	
Great Basin	2019-2020	38.144	-119.366	1/27/2020	0	2	3	10 day_req	0.84	6 daily	
Great Basin	2019-2020	38.15	-119.349	11/20/2019	1	4	3	1 seas_req	0.092	2 seasonal	
Great Basin	2019-2020	38.15	-119.349	11/21/2019	2	2	3	3 seas_req	0.092	2 seasonal	
Great Basin	2019-2020	38.15	-119.349	1/24/2020	1	1	3	4 seas_req	0.092	2 seasonal	
Great Basin	2019-2020	38.452	-119.49	1/27/2020	10	10	21	10 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	1/28/2020	10	10	21	20 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	1/29/2020	0	12	21	20 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	1/30/2020	7	7	21	27 day_req	0.706	6 daily	

Great Basin	2019-2020	38.452	-119.49	2/3/2020	0	10	21	27 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	2/4/2020	13	13	21	40 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	2/5/2020	12	12	21	52 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	2/6/2020	8	8	21	60 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	2/10/2020	0	12	21	60 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	2/11/2020	10	10	21	70 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	2/12/2020	10	10	21	80 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	2/13/2020	0	5	21	80 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	2/18/2020	10	10	21	90 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	2/19/2020	10	10	21	100 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	2/20/2020	0	10	21	100 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	2/25/2020	5	5	21	105 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	2/26/2020	0	10	21	105 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	2/27/2020	10	10	21	115 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	3/9/2020	10	10	21	125 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	3/10/2020	10	10	21	135 day_req	0.706	6 daily	
Great Basin	2019-2020	38.452	-119.49	3/11/2020	8	20	21	143 day_req	0.706	6 daily	
Great Basin	2020-2021	36.993	-118.223	3/1/2021	145	200	1	145 day_req	NA	NA	single_day
Great Basin	2020-2021	37.181	-118.56	1/11/2021	3	6	3	3 seas_req	0.06	9 seasonal	
Great Basin	2020-2021	37.181	-118.56	1/12/2021	0.5	2	3	3.5 seas_req	0.06	9 seasonal	
Great Basin	2020-2021	37.181	-118.56	1/13/2021	2.5	2.5	3	6 seas_req	0.06	9 seasonal	
Great Basin	2020-2021	37.185	-118.558	1/11/2021	2	3	2	2 day_req	0.846	9 daily	
Great Basin	2020-2021	37.185	-118.558	1/12/2021	1	1	2	3 day_req	0.846	9 daily	
Great Basin	2020-2021	37.236	-118.6	1/25/2021	0	2	4	0 seas_req	0.054	9 seasonal	
Great Basin	2020-2021	37.236	-118.6	1/28/2021	0	1	4	0 seas_req	0.054	9 seasonal	
Great Basin	2020-2021	37.236	-118.6	2/1/2021	0	5	4	0 seas_req	0.054	9 seasonal	
Great Basin	2020-2021	37.236	-118.6	2/8/2021	5	5	4	5 seas_req	0.054	9 seasonal	
Great Basin	2020-2021	37.273	-118.576	1/28/2021	0	15	2	0 day_req	0.97	9 daily	
Great Basin	2020-2021	37.273	-118.576	2/1/2021	15	15	2	15 day_req	0.97	9 daily	
Great Basin	2020-2021	37.508	-118.63	1/25/2021	0	5	4	0 seas_req	0	7 seasonal	
Great Basin	2020-2021	37.508	-118.63	1/27/2021	0	10	4	0 seas_req	0	7 seasonal	
Great Basin	2020-2021	37.508	-118.63	2/3/2021	0	10	4	0 seas_req	0	7 seasonal	
Great Basin	2020-2021	37.508	-118.63	2/4/2021	5	10	4	5 seas_req	0	7 seasonal	
Great Basin	2020-2021	37.564	-118.675	5/4/2021	0	180	2	0 seas_req	0.002	2 seasonal	
Great Basin	2020-2021	37.564	-118.675	5/25/2021	22	60	2	22 seas_req	0.002	2 seasonal	
Great Basin	2020-2021	37.653	-119.001	2/18/2021	10	10	1	10 day_req	NA	NA	single_day
Great Basin	2020-2021	37.653	-118.961	1/27/2021	10	30	4	10 seas_req	0.004	7 seasonal	
Great Basin	2020-2021	37.653	-118.961	3/1/2021	10	20	4	20 seas_req	0.004	7 seasonal	
Great Basin	2020-2021	37.653	-118.961	3/18/2021	1	10	4	21 seas_req	0.004	7 seasonal	
Great Basin	2020-2021	37.653	-118.961	3/19/2021	10	10	4	31 seas_req	0.004	7 seasonal	

Great Basin	2020-2021	37.715	-118.883	4/16/2021	0	100	3	0 seas_req	0	7 seasonal
Great Basin	2020-2021	37.715	-118.883	4/19/2021	0	112	3	0 seas_req	0	7 seasonal
Great Basin	2020-2021	37.715	-118.883	4/20/2021	0	135	3	0 seas_req	0	7 seasonal
Great Basin	2020-2021	37.738	-118.999	1/26/2021	7	7	1	7 day_req	NA	NA single_day
Great Basin	2020-2021	37.777	-119.103	1/26/2021	10	11.9	11	10 seas_req	0.016	2 seasonal
Great Basin	2020-2021	37.777	-119.103	1/27/2021	0	14.9	11	10 seas_req	0.016	2 seasonal
Great Basin	2020-2021	37.777	-119.103	2/1/2021	11.9	34.9	11	21.9 seas_req	0.016	2 seasonal
Great Basin	2020-2021	37.777	-119.103	2/2/2021	4	27	11	25.9 seas_req	0.016	2 seasonal
Great Basin	2020-2021	37.777	-119.103	2/3/2021	0	57	11	25.9 seas_req	0.016	2 seasonal
Great Basin	2020-2021	37.777	-119.103	2/8/2021	0	62	11	25.9 seas_req	0.016	2 seasonal
Great Basin	2020-2021	37.777	-119.103	2/9/2021	4	49	11	29.9 seas_req	0.016	2 seasonal
Great Basin	2020-2021	37.777	-119.103	2/10/2021	0	49	11	29.9 seas_req	0.016	2 seasonal
Great Basin	2020-2021	37.777	-119.103	2/11/2021	5	10	11	34.9 seas_req	0.016	2 seasonal
Great Basin	2020-2021	37.777	-119.103	2/16/2021	0	42	11	34.9 seas_req	0.016	2 seasonal
Great Basin	2020-2021	37.777	-119.103	2/17/2021	10	42	11	44.9 seas_req	0.016	2 seasonal
Great Basin	2020-2021	37.81	-119.079	1/25/2021	10	33	4	10 day_req	0.556	2 uncertain
Great Basin	2020-2021	37.81	-119.079	1/26/2021	10	10	4	20 day_req	0.556	2 uncertain
Great Basin	2020-2021	37.81	-119.079	2/17/2021	10	23	4	30 day_req	0.556	2 uncertain
Great Basin	2020-2021	37.81	-119.079	2/18/2021	26	26	4	56 day_req	0.556	2 uncertain
Great Basin	2020-2021	38.12	-119.095	2/2/2021	55	50	1	55 day_req	NA	NA single_day
Great Basin	2020-2021	38.561	-119.562	1/20/2021	8	10	6	8 seas_req	0.03	7 seasonal
Great Basin	2020-2021	38.561	-119.562	1/21/2021	0	10	6	8 seas_req	0.03	7 seasonal
Great Basin	2020-2021	38.561	-119.562	2/16/2021	6	25	6	14 seas_req	0.03	7 seasonal
Great Basin	2020-2021	38.561	-119.562	3/5/2021	0	25	6	14 seas_req	0.03	7 seasonal
Great Basin	2020-2021	38.561	-119.562	3/9/2021	19	20	6	33 seas_req	0.03	7 seasonal
Great Basin	2020-2021	38.561	-119.562	3/10/2021	20	26	6	53 seas_req	0.03	7 seasonal
Great Basin	2020-2021	38.57	-119.561	1/12/2021	0	20	8	0 seas_req	0.006	2 seasonal
Great Basin	2020-2021	38.57	-119.561	1/13/2021	7	20	8	7 seas_req	0.006	2 seasonal
Great Basin	2020-2021	38.57	-119.561	1/14/2021	7	15	8	14 seas_req	0.006	2 seasonal
Great Basin	2020-2021	38.57	-119.561	1/19/2021	0	20	8	14 seas_req	0.006	2 seasonal
Great Basin	2020-2021	38.57	-119.561	1/25/2021	15	15	8	29 seas_req	0.006	2 seasonal
Great Basin	2020-2021	38.57	-119.561	1/26/2021	0	15	8	29 seas_req	0.006	2 seasonal
Great Basin	2020-2021	38.57	-119.561	1/27/2021	0	20	8	29 seas_req	0.006	2 seasonal
Great Basin	2020-2021	38.57	-119.561	3/11/2021	13	13	8	42 seas_req	0.006	2 seasonal
Great Basin	2020-2021	38.571	-119.567	2/17/2021	16	25	7	16 seas_req	0	7 seasonal
Great Basin	2020-2021	38.571	-119.567	2/22/2021	15	25	7	31 seas_req	0	7 seasonal
Great Basin	2020-2021	38.571	-119.567	2/23/2021	17	20	7	48 seas_req	0	7 seasonal
Great Basin	2020-2021	38.571	-119.567	3/2/2021	9	25	7	57 seas_req	0	7 seasonal
Great Basin	2020-2021	38.571	-119.567	3/3/2021	15	25	7	72 seas_req	0	7 seasonal
Great Basin	2020-2021	38.571	-119.567	3/8/2021	24	25	7	96 seas_req	0	7 seasonal

Great Basin	2020-2021	38.571	-119.567	3/10/2021	9	9	7	105 seas_req	0	7 seasonal
Great Basin	2020-2021	38.591	-119.57	1/11/2021	9	25	8	9 seas_req	0	7 seasonal
Great Basin	2020-2021	38.591	-119.57	2/18/2021	3	15	8	12 seas_req	0	7 seasonal
Great Basin	2020-2021	38.591	-119.57	2/24/2021	17	10	8	29 seas_req	0	7 seasonal
Great Basin	2020-2021	38.591	-119.57	2/25/2021	20	25	8	49 seas_req	0	7 seasonal
Great Basin	2020-2021	38.591	-119.57	2/26/2021	15	25	8	64 seas_req	0	7 seasonal
Great Basin	2020-2021	38.591	-119.57	3/1/2021	19	25	8	83 seas_req	0	7 seasonal
Great Basin	2020-2021	38.591	-119.57	3/4/2021	6	11	8	89 seas_req	0	7 seasonal
Great Basin	2020-2021	38.591	-119.57	3/11/2021	5	5	8	94 seas_req	0	7 seasonal
Great Basin	2020-2021	38.672	-119.815	3/1/2021	5	10	3	5 day_req	0.822	6 daily
Great Basin	2020-2021	38.672	-119.815	3/2/2021	5	5	3	10 day_req	0.822	6 daily
Great Basin	2020-2021	38.672	-119.815	3/3/2021	5	5	3	15 day_req	0.822	6 daily
Great Basin	2020-2021	38.674	-119.815	2/23/2021	0	5	3	0 seas_req	0.016	7 seasonal
Great Basin	2020-2021	38.674	-119.815	3/2/2021	8	10	3	8 seas_req	0.016	7 seasonal
Great Basin	2020-2021	38.674	-119.815	3/4/2021	4	4	3	12 seas_req	0.016	7 seasonal
Great Basin	2020-2021	38.677	-119.816	2/23/2021	16	10	1	16 day_req	NA	single_day
Great Basin	2020-2021	38.681	-119.814	2/22/2021	10	10	2	10 day_req	0.912	6 daily
Great Basin	2020-2021	38.681	-119.814	3/1/2021	21	21	2	31 day_req	0.912	6 daily
Mariposa	2018-2019	37.801	-120.101	4/29/2019	16	16	1	16 day_req	NA	single_day
Mariposa	2019-2020	37.421	-119.669	2/26/2020	100	100	1	100 day_req	NA	single_day
Mariposa	2019-2020	37.435	-119.659	2/27/2020	100	100	1	100 day_req	NA	single_day
Mariposa	2019-2020	37.704	-119.983	7/11/2019	0	14	1	0 day_req	NA	single_day
Mariposa	2019-2020	37.764	-120.07	7/8/2019	59	120	2	59 seas_req	0.032	7 seasonal
Mariposa	2019-2020	37.764	-120.07	7/9/2019	51	120	2	110 seas_req	0.032	7 seasonal
Mariposa	2020-2021	37.332	-119.884	11/11/2020	160	160	1	160 day_req	NA	single_day
Mariposa	2020-2021	37.349	-119.869	6/15/2021	9	17	2	9 day_req	0.782	6 daily
Mariposa	2020-2021	37.349	-119.869	6/16/2021	30	30	2	39 day_req	0.782	6 daily
Mariposa	2020-2021	37.35	-119.865	5/24/2021	78	70	1	78 day_req	NA	single_day
Mariposa	2020-2021	37.399	-119.22	3/22/2021	0	40	1	0 day_req	NA	single_day
Mariposa	2020-2021	37.596	-119.842	3/15/2021	0	10	1	0 day_req	NA	single_day
Mariposa	2020-2021	37.639	-119.747	3/16/2021	12	15	1	12 day_req	NA	single_day
Mariposa	2020-2021	37.696	-120.109	3/5/2021	0	25	3	0 seas_req	0	7 seasonal
Mariposa	2020-2021	37.696	-120.109	3/6/2021	0	25	3	0 seas_req	0	7 seasonal
Mariposa	2020-2021	37.696	-120.109	3/8/2021	0	25	3	0 seas_req	0	7 seasonal
Mariposa	2020-2021	37.723	-120.12	1/25/2021	46	108	9	46 day_req	0.536	8 uncertain
Mariposa	2020-2021	37.723	-120.12	1/26/2021	60	124	9	106 day_req	0.536	8 uncertain
Mariposa	2020-2021	37.723	-120.12	1/27/2021	0	9	9	106 day_req	0.536	8 uncertain
Mariposa	2020-2021	37.723	-120.12	2/1/2021	0	9	9	106 day_req	0.536	8 uncertain
Mariposa	2020-2021	37.723	-120.12	2/2/2021	0	330	9	106 day_req	0.536	8 uncertain
Mariposa	2020-2021	37.723	-120.12	3/2/2021	60	700	9	166 day_req	0.536	8 uncertain

Mariposa	2020-2021	37.723	-120.12	3/5/2021	0	815	9	166	day_req	0.536	8	uncertain
Mariposa	2020-2021	37.723	-120.12	3/6/2021	0	815	9	166	day_req	0.536	8	uncertain
Mariposa	2020-2021	37.723	-120.12	3/8/2021	0	649	9	166	day_req	0.536	8	uncertain
Mariposa	2020-2021	37.749	-120.051	1/25/2021	0	24	5	0	seas_req	0	7	seasonal
Mariposa	2020-2021	37.749	-120.051	1/27/2021	0	24	5	0	seas_req	0	7	seasonal
Mariposa	2020-2021	37.749	-120.051	3/5/2021	0	24	5	0	seas_req	0	7	seasonal
Mariposa	2020-2021	37.749	-120.051	3/6/2021	0	24	5	0	seas_req	0	7	seasonal
Mariposa	2020-2021	37.749	-120.051	3/8/2021	0	24	5	0	seas_req	0	7	seasonal
Mariposa	2020-2021	37.799	-120.088	2/2/2021	0	40	1	0	day_req	NA	NA	single_day
Mariposa	2020-2021	37.8	-120.093	1/27/2021	0	9	1	0	day_req	NA	NA	single_day
San Joaquin Valley	2019-2020	36.014	-118.57	11/25/2019	0	75	1	0	day_req	NA	NA	single_day
San Joaquin Valley	2019-2020	36.023	-118.29	10/15/2019	0	5	6	0	seas_req	0.026	9	seasonal
San Joaquin Valley	2019-2020	36.023	-118.29	10/16/2019	0	10	6	0	seas_req	0.026	9	seasonal
San Joaquin Valley	2019-2020	36.023	-118.29	10/17/2019	0	10	6	0	seas_req	0.026	9	seasonal
San Joaquin Valley	2019-2020	36.023	-118.29	10/18/2019	0	5	6	0	seas_req	0.026	9	seasonal
San Joaquin Valley	2019-2020	36.023	-118.29	10/24/2019	0	30	6	0	seas_req	0.026	9	seasonal
San Joaquin Valley	2019-2020	36.023	-118.29	11/25/2019	0	30	6	0	seas_req	0.026	9	seasonal
San Joaquin Valley	2019-2020	36.152	-118.509	11/26/2019	0	15	1	0	day_req	NA	NA	single_day
San Joaquin Valley	2020-2021	34.861	-119.21	4/26/2021	10	13	1	10	day_req	NA	NA	single_day
Monterey Bay	2018-2019	36.373	-120.994	6/6/2019	3	3	1	3	day_req	NA	NA	single_day
Monterey Bay	2018-2019	36.462	-120.908	6/17/2019	42	6	1	42	day_req	NA	NA	single_day
Monterey Bay	2018-2019	37.018	-122.073	10/5/2018	6	4.9	1	6	day_req	NA	NA	single_day
Monterey Bay	2019-2020	35.883	-120.906	2/27/2020	18	18	27	18	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	2/28/2020	13.5	42	27	31.5	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	2/29/2020	9	18	27	40.5	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	3/2/2020	16.5	18	27	57	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	3/3/2020	24	42	27	81	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	3/4/2020	24	24	27	105	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	3/5/2020	16	32	27	121	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	3/6/2020	30	32	27	151	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	3/7/2020	2	24	27	153	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	3/9/2020	0	32	27	153	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	3/10/2020	0	32	27	153	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	3/11/2020	0	32	27	153	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	3/12/2020	0	32	27	153	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	3/13/2020	0	30	27	153	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	3/14/2020	0	24	27	153	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	4/1/2020	14	30	27	167	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	4/2/2020	30	30	27	197	seas_req	0.32	6	seasonal
Monterey Bay	2019-2020	35.883	-120.906	4/3/2020	30	30	27	227	seas_req	0.32	6	seasonal

Monterey Bay	2019-2020	35.883	-120.906	4/4/2020	18	18	27	245 seas_req	0.32	6 seasonal
Monterey Bay	2019-2020	35.883	-120.906	4/14/2020	10	25	27	255 seas_req	0.32	6 seasonal
Monterey Bay	2019-2020	35.883	-120.906	4/15/2020	10	10	27	265 seas_req	0.32	6 seasonal
Monterey Bay	2019-2020	35.883	-120.906	4/16/2020	15	20	27	280 seas_req	0.32	6 seasonal
Monterey Bay	2019-2020	35.883	-120.906	4/17/2020	0	5	27	280 seas_req	0.32	6 seasonal
Monterey Bay	2019-2020	35.883	-120.906	4/22/2020	1	5	27	281 seas_req	0.32	6 seasonal
Monterey Bay	2019-2020	35.883	-120.906	4/27/2020	3	4	27	284 seas_req	0.32	6 seasonal
Monterey Bay	2019-2020	35.883	-120.906	4/29/2020	0	3	27	284 seas_req	0.32	6 seasonal
Monterey Bay	2019-2020	35.883	-120.906	4/30/2020	0	3	27	284 seas_req	0.32	6 seasonal
Monterey Bay	2019-2020	35.97	-121.23	2/20/2020	1	50	18	1 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	2/29/2020	1	160	18	2 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	5/26/2020	277	150	18	279 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	5/27/2020	50.8	100	18	329.8 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	5/28/2020	50.8	70	18	380.6 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	5/29/2020	2	2000	18	382.6 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	6/2/2020	0	70	18	382.6 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	6/3/2020	0	100	18	382.6 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	6/5/2020	250	200	18	632.6 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	6/7/2020	2500	1000	18	3132.6 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	6/9/2020	2000	2000	18	5132.6 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	6/10/2020	0	800	18	5132.6 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	6/11/2020	0	2000	18	5132.6 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	6/14/2020	0	380	18	5132.6 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	6/16/2020	0	1000	18	5132.6 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	6/17/2020	0	1000	18	5132.6 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	6/18/2020	0	950	18	5132.6 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.97	-121.23	6/20/2020	0	950	18	5132.6 seas_req	0.468	5 uncertain
Monterey Bay	2019-2020	35.973	-121.259	2/6/2020	1	1	19	1 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	2/8/2020	1	1	19	2 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	2/9/2020	1	1	19	3 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	2/10/2020	1	1	19	4 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	2/18/2020	1	1	19	5 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	2/19/2020	1	1	19	6 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	2/20/2020	1	1	19	7 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	2/21/2020	1	1	19	8 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	2/22/2020	1	1	19	9 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	4/16/2020	1	5	19	10 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	4/17/2020	1	1	19	11 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	4/29/2020	2	4	19	13 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	4/30/2020	1	1	19	14 day_req	0.972	6 daily



Monterey Bay	2019-2020	35.973	-121.259	5/1/2020	2	2	19	16 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	5/2/2020	1	1	19	17 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	5/5/2020	1	1	19	18 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	5/6/2020	1	1	19	19 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	5/7/2020	1	1	19	20 day_req	0.972	6 daily
Monterey Bay	2019-2020	35.973	-121.259	5/8/2020	1	1	19	21 day_req	0.972	6 daily
Monterey Bay	2019-2020	36.36	-120.789	1/16/2020	21	29	1	21 day_req	NA	NA
Monterey Bay	2019-2020	36.382	-121.843	1/9/2020	8	2	7	8 day_req	0.998	6 daily
Monterey Bay	2019-2020	36.382	-121.843	1/13/2020	7	2	7	15 day_req	0.998	6 daily
Monterey Bay	2019-2020	36.382	-121.843	1/17/2020	2	2	7	17 day_req	0.998	6 daily
Monterey Bay	2019-2020	36.382	-121.843	1/21/2020	20	20	7	37 day_req	0.998	6 daily
Monterey Bay	2019-2020	36.382	-121.843	1/25/2020	20	20	7	57 day_req	0.998	6 daily
Monterey Bay	2019-2020	36.382	-121.843	1/29/2020	15	15	7	72 day_req	0.998	6 daily
Monterey Bay	2019-2020	36.382	-121.843	2/2/2020	15	15	7	87 day_req	0.998	6 daily
Monterey Bay	2019-2020	36.382	-121.829	1/6/2020	5	2	7	5 day_req	1	6 daily
Monterey Bay	2019-2020	36.382	-121.829	1/10/2020	10	2	7	15 day_req	1	6 daily
Monterey Bay	2019-2020	36.382	-121.829	1/14/2020	7	2	7	22 day_req	1	6 daily
Monterey Bay	2019-2020	36.382	-121.829	1/18/2020	20	20	7	42 day_req	1	6 daily
Monterey Bay	2019-2020	36.382	-121.829	1/22/2020	20	20	7	62 day_req	1	6 daily
Monterey Bay	2019-2020	36.382	-121.829	1/26/2020	20	20	7	82 day_req	1	6 daily
Monterey Bay	2019-2020	36.382	-121.829	1/30/2020	50	50	7	132 day_req	1	6 daily
Monterey Bay	2019-2020	36.386	-121.859	1/7/2020	3	2	7	3 day_req	1	6 daily
Monterey Bay	2019-2020	36.386	-121.859	1/11/2020	4	2	7	7 day_req	1	6 daily
Monterey Bay	2019-2020	36.386	-121.859	1/15/2020	10	2	7	17 day_req	1	6 daily
Monterey Bay	2019-2020	36.386	-121.859	1/19/2020	20	20	7	37 day_req	1	6 daily
Monterey Bay	2019-2020	36.386	-121.859	1/23/2020	20	20	7	57 day_req	1	6 daily
Monterey Bay	2019-2020	36.386	-121.859	1/27/2020	20	20	7	77 day_req	1	6 daily
Monterey Bay	2019-2020	36.386	-121.859	1/31/2020	50	50	7	127 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.872	1/9/2020	4	2	7	4 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.872	1/13/2020	7	2	7	11 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.872	1/17/2020	2	2	7	13 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.872	1/21/2020	20	20	7	33 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.872	1/25/2020	20	20	7	53 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.872	1/29/2020	15	15	7	68 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.872	2/2/2020	15	15	7	83 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.865	1/7/2020	5	2	7	5 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.865	1/11/2020	4	2	7	9 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.865	1/15/2020	4	2	7	13 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.865	1/19/2020	20	20	7	33 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.865	1/23/2020	20	20	7	53 day_req	1	6 daily

Monterey Bay	2019-2020	36.387	-121.865	1/27/2020	20	20	7	73 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.865	1/31/2020	50	50	7	123 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.832	1/6/2020	4	2	7	4 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.832	1/10/2020	9	2	7	13 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.832	1/14/2020	5	2	7	18 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.832	1/18/2020	20	20	7	38 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.832	1/22/2020	20	20	7	58 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.832	1/26/2020	20	20	7	78 day_req	1	6 daily
Monterey Bay	2019-2020	36.387	-121.832	1/30/2020	15	15	7	93 day_req	1	6 daily
Monterey Bay	2019-2020	36.391	-121.824	1/8/2020	5	2	7	5 day_req	1	6 daily
Monterey Bay	2019-2020	36.391	-121.824	1/12/2020	7	2	7	12 day_req	1	6 daily
Monterey Bay	2019-2020	36.391	-121.824	1/16/2020	5	2	7	17 day_req	1	6 daily
Monterey Bay	2019-2020	36.391	-121.824	1/20/2020	20	20	7	37 day_req	1	6 daily
Monterey Bay	2019-2020	36.391	-121.824	1/24/2020	20	20	7	57 day_req	1	6 daily
Monterey Bay	2019-2020	36.391	-121.824	1/28/2020	20	20	7	77 day_req	1	6 daily
Monterey Bay	2019-2020	36.391	-121.824	2/1/2020	15	15	7	92 day_req	1	6 daily
Monterey Bay	2019-2020	36.397	-121.873	1/8/2020	4	2	7	4 day_req	1	6 daily
Monterey Bay	2019-2020	36.397	-121.873	1/12/2020	6	2	7	10 day_req	1	6 daily
Monterey Bay	2019-2020	36.397	-121.873	1/16/2020	6	2	7	16 day_req	1	6 daily
Monterey Bay	2019-2020	36.397	-121.873	1/20/2020	20	20	7	36 day_req	1	6 daily
Monterey Bay	2019-2020	36.397	-121.873	1/24/2020	20	20	7	56 day_req	1	6 daily
Monterey Bay	2019-2020	36.397	-121.873	1/28/2020	20	20	7	76 day_req	1	6 daily
Monterey Bay	2019-2020	36.397	-121.873	2/1/2020	15	15	7	91 day_req	1	6 daily
Monterey Bay	2019-2020	36.462	-120.908	11/15/2019	1816	3638.74	2	1816 seas_req	0.096	5 seasonal
Monterey Bay	2019-2020	36.462	-120.908	11/16/2019	3166.96	3166.96	2	4982.96 seas_req	0.096	5 seasonal
Monterey Bay	2019-2020	36.591	-120.766	2/7/2020	30	30	1	30 day_req	NA	single_day
Monterey Bay	2019-2020	36.802	-121.557	7/29/2019	0	178	2	0 day_req	0.942	6 daily
Monterey Bay	2019-2020	36.802	-121.557	9/20/2019	178	178	2	178 day_req	0.942	6 daily
Monterey Bay	2019-2020	36.808	-121.531	7/29/2019	35	190	2	35 seas_req	0.088	2 seasonal
Monterey Bay	2019-2020	36.808	-121.531	8/12/2019	155	155	2	190 seas_req	0.088	2 seasonal
Monterey Bay	2019-2020	37.023	-122.089	2/20/2020	0	0.5	12	0 day_req	0.826	6 daily
Monterey Bay	2019-2020	37.023	-122.089	2/21/2020	0.5	0.5	12	0.5 day_req	0.826	6 daily
Monterey Bay	2019-2020	37.023	-122.089	2/24/2020	0	0.5	12	0.5 day_req	0.826	6 daily
Monterey Bay	2019-2020	37.023	-122.089	2/25/2020	0	0.5	12	0.5 day_req	0.826	6 daily
Monterey Bay	2019-2020	37.023	-122.089	3/4/2020	0.5	0.5	12	1 day_req	0.826	6 daily
Monterey Bay	2019-2020	37.023	-122.089	3/5/2020	0.5	0.5	12	1.5 day_req	0.826	6 daily
Monterey Bay	2019-2020	37.023	-122.089	3/6/2020	0.5	0.5	12	2 day_req	0.826	6 daily
Monterey Bay	2019-2020	37.023	-122.089	3/7/2020	0.5	0.5	12	2.5 day_req	0.826	6 daily
Monterey Bay	2019-2020	37.023	-122.089	3/16/2020	1	2	12	3.5 day_req	0.826	6 daily
Monterey Bay	2019-2020	37.023	-122.089	3/19/2020	0.5	2	12	4 day_req	0.826	6 daily

Monterey Bay	2019-2020	37.023	-122.089	3/20/2020	2	4	12	6 day_req	0.826	6 daily	
Monterey Bay	2019-2020	37.023	-122.089	3/23/2020	8	4	12	14 day_req	0.826	6 daily	
Monterey Bay	2019-2020	37.072	-121.856	2/19/2020	15	15	1	15 day_req	NA	NA	single_day
Monterey Bay	2019-2020	37.129	-122.166	2/27/2020	24	22	1	24 day_req	NA	NA	single_day
Monterey Bay	2019-2020	37.138	-122.193	8/1/2019	7	10	2	7 day_req	0.95	6 daily	
Monterey Bay	2019-2020	37.138	-122.193	8/7/2019	3	3	2	10 day_req	0.95	6 daily	
Monterey Bay	2019-2020	37.143	-122.193	8/7/2019	17	17	3	17 day_req	1	6 daily	
Monterey Bay	2019-2020	37.143	-122.193	8/8/2019	20	20	3	37 day_req	1	6 daily	
Monterey Bay	2019-2020	37.143	-122.193	6/24/2020	10	10	3	47 day_req	1	6 daily	
Monterey Bay	2020-2021	35.883	-120.906	2/26/2021	5	5	9	5 day_req	0.948	6 daily	
Monterey Bay	2020-2021	35.883	-120.906	2/27/2021	0	5	9	5 day_req	0.948	6 daily	
Monterey Bay	2020-2021	35.883	-120.906	3/1/2021	5	5	9	10 day_req	0.948	6 daily	
Monterey Bay	2020-2021	35.883	-120.906	3/22/2021	0	7.5	9	10 day_req	0.948	6 daily	
Monterey Bay	2020-2021	35.883	-120.906	3/23/2021	5	7.5	9	15 day_req	0.948	6 daily	
Monterey Bay	2020-2021	35.883	-120.906	3/24/2021	7.5	7.5	9	22.5 day_req	0.948	6 daily	
Monterey Bay	2020-2021	35.883	-120.906	3/27/2021	1.5	2	9	24 day_req	0.948	6 daily	
Monterey Bay	2020-2021	35.883	-120.906	3/29/2021	0.5	0.5	9	24.5 day_req	0.948	6 daily	
Monterey Bay	2020-2021	35.883	-120.906	4/2/2021	0.5	0.5	9	25 day_req	0.948	6 daily	
Monterey Bay	2020-2021	35.97	-121.23	7/7/2020	0	1000	32	0 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	7/8/2020	0	800	32	0 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	12/12/2020	0	2	32	0 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	12/13/2020	0	1	32	0 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	12/14/2020	0	2	32	0 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	12/15/2020	0	2	32	0 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	4/5/2021	120	200	32	120 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	4/6/2021	240	400	32	360 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	4/7/2021	400	400	32	760 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	4/8/2021	100	200	32	860 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	4/9/2021	1200	400	32	2060 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	4/12/2021	27	100	32	2087 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	5/17/2021	0	40	32	2087 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	5/18/2021	0	50	32	2087 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	5/19/2021	0	50	32	2087 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	5/20/2021	0	35	32	2087 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	5/21/2021	0	35	32	2087 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	5/22/2021	0	150	32	2087 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	5/23/2021	0	150	32	2087 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	5/24/2021	30	1045	32	2117 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	5/25/2021	0	375	32	2117 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	5/26/2021	0	100	32	2117 seas_req	0.286	5 seasonal	

Monterey Bay	2020-2021	35.97	-121.23	5/27/2021	0	60	32	2117 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	5/28/2021	0	50	32	2117 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	5/29/2021	0	100	32	2117 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	6/1/2021	0	1000	32	2117 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	6/2/2021	160	2000	32	2277 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	6/3/2021	400	1000	32	2677 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	6/4/2021	400	1350	32	3077 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	6/6/2021	0	2000	32	3077 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	6/7/2021	0	200	32	3077 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.97	-121.23	6/22/2021	1	1	32	3078 seas_req	0.286	5 seasonal	
Monterey Bay	2020-2021	35.973	-121.259	2/6/2021	1	1	13	1 day_req	0.974	6 daily	
Monterey Bay	2020-2021	35.973	-121.259	3/1/2021	0	4	13	1 day_req	0.974	6 daily	
Monterey Bay	2020-2021	35.973	-121.259	3/2/2021	1	1	13	2 day_req	0.974	6 daily	
Monterey Bay	2020-2021	35.973	-121.259	3/3/2021	1	1	13	3 day_req	0.974	6 daily	
Monterey Bay	2020-2021	35.973	-121.259	3/4/2021	1	1	13	4 day_req	0.974	6 daily	
Monterey Bay	2020-2021	35.973	-121.259	3/5/2021	0	1	13	4 day_req	0.974	6 daily	
Monterey Bay	2020-2021	35.973	-121.259	3/6/2021	1	1	13	5 day_req	0.974	6 daily	
Monterey Bay	2020-2021	35.973	-121.259	3/8/2021	1	1	13	6 day_req	0.974	6 daily	
Monterey Bay	2020-2021	35.973	-121.259	3/9/2021	1	1	13	7 day_req	0.974	6 daily	
Monterey Bay	2020-2021	35.973	-121.259	3/10/2021	0	1	13	7 day_req	0.974	6 daily	
Monterey Bay	2020-2021	35.973	-121.259	3/11/2021	1	1	13	8 day_req	0.974	6 daily	
Monterey Bay	2020-2021	35.973	-121.259	3/12/2021	0	1	13	8 day_req	0.974	6 daily	
Monterey Bay	2020-2021	35.973	-121.259	3/13/2021	3	3	13	11 day_req	0.974	6 daily	
Monterey Bay	2020-2021	36.27	-121.192	6/21/2021	62.25	77	5	62.25 day_req	0.956	1 daily	
Monterey Bay	2020-2021	36.27	-121.192	6/22/2021	80	65	5	142.25 day_req	0.956	1 daily	
Monterey Bay	2020-2021	36.27	-121.192	6/23/2021	65.5	65	5	207.75 day_req	0.956	1 daily	
Monterey Bay	2020-2021	36.27	-121.192	6/24/2021	60	65	5	267.75 day_req	0.956	1 daily	
Monterey Bay	2020-2021	36.27	-121.192	6/25/2021	56	67	5	323.75 day_req	0.956	1 daily	
Monterey Bay	2020-2021	36.278	-121.247	6/23/2021	9.81	9.83	1	9.81 day_req	NA	NA	single_day
Monterey Bay	2020-2021	36.286	-121.226	6/24/2021	25.95	25.95	1	25.95 day_req	NA	NA	single_day
Monterey Bay	2020-2021	36.36	-120.789	6/2/2021	16	16	1	16 day_req	NA	NA	single_day
Monterey Bay	2020-2021	36.672	-121.384	3/7/2021	16	16	4	16 day_req	1	6 daily	
Monterey Bay	2020-2021	36.672	-121.384	3/8/2021	16	16	4	32 day_req	1	6 daily	
Monterey Bay	2020-2021	36.672	-121.384	4/19/2021	4	4	4	36 day_req	1	6 daily	
Monterey Bay	2020-2021	36.672	-121.384	4/20/2021	2	4	4	38 day_req	1	6 daily	
Monterey Bay	2020-2021	36.949	-121.667	3/3/2021	0	30	1	0 day_req	NA	NA	single_day
Monterey Bay	2020-2021	36.999	-122.09	11/21/2020	149	300	3	149 seas_req	0.116	7 seasonal	
Monterey Bay	2020-2021	36.999	-122.09	11/22/2020	245	300	3	394 seas_req	0.116	7 seasonal	
Monterey Bay	2020-2021	36.999	-122.09	11/23/2020	108	300	3	502 seas_req	0.116	7 seasonal	
Monterey Bay	2020-2021	37.01	-121.748	6/23/2021	0	6	1	0 day_req	NA	NA	single_day

San Luis Obispo	2018-2019	35.348	-120.704	6/24/2019	300	230	1	300 day_req	NA	NA	single_day
San Luis Obispo	2018-2019	35.646	-120.366	6/22/2019	40	40	1	40 day_req	NA	NA	single_day
San Luis Obispo	2019-2020	35.188	-120.404	11/25/2019	112	112	1	112 day_req	NA	NA	single_day
San Luis Obispo	2019-2020	35.348	-120.704	7/18/2019	38	60	2	38 seas_req		0.01	2 seasonal
San Luis Obispo	2019-2020	35.348	-120.704	6/12/2020	0	300	2	38 seas_req		0.01	2 seasonal
San Luis Obispo	2019-2020	35.352	-120.761	7/17/2019	130	130	1	130 day_req	NA	NA	single_day
San Luis Obispo	2019-2020	35.459	-120.547	11/20/2019	66	70	5	66 seas_req		0.108	2 seasonal
San Luis Obispo	2019-2020	35.459	-120.547	6/1/2020	0	400	5	66 seas_req		0.108	2 seasonal
San Luis Obispo	2019-2020	35.459	-120.547	6/2/2020	0	345	5	66 seas_req		0.108	2 seasonal
San Luis Obispo	2019-2020	35.459	-120.547	6/3/2020	0	410	5	66 seas_req		0.108	2 seasonal
San Luis Obispo	2019-2020	35.459	-120.547	6/5/2020	0	400	5	66 seas_req		0.108	2 seasonal
Eastern Kern	2018-2019	34.905	-117.932	4/30/2019	1	2	2	1 seas_req		0.32	9 seasonal
Eastern Kern	2018-2019	34.905	-117.932	5/1/2019	1	2	2	2 seas_req		0.32	9 seasonal
Eastern Kern	2018-2019	34.917	-117.919	6/22/2019	10	2	2	10 day_req		0.946	1 daily
Eastern Kern	2018-2019	34.917	-117.919	6/23/2019	2	1.5	2	12 day_req		0.946	1 daily
Eastern Kern	2018-2019	34.93	-117.937	5/2/2019	1	4	12	1 day_req		0.778	9 daily
Eastern Kern	2018-2019	34.93	-117.937	5/3/2019	1	3	12	2 day_req		0.778	9 daily
Eastern Kern	2018-2019	34.93	-117.937	5/4/2019	2	2	12	4 day_req		0.778	9 daily
Eastern Kern	2018-2019	34.93	-117.937	5/5/2019	0	2	12	4 day_req		0.778	9 daily
Eastern Kern	2018-2019	34.93	-117.937	5/6/2019	4	2	12	8 day_req		0.778	9 daily
Eastern Kern	2018-2019	34.93	-117.937	5/8/2019	4	4	12	12 day_req		0.778	9 daily
Eastern Kern	2018-2019	34.93	-117.937	5/9/2019	4	4	12	16 day_req		0.778	9 daily
Eastern Kern	2018-2019	34.93	-117.937	5/10/2019	4	4	12	20 day_req		0.778	9 daily
Eastern Kern	2018-2019	34.93	-117.937	5/21/2019	2	2	12	22 day_req		0.778	9 daily
Eastern Kern	2018-2019	34.93	-117.937	5/22/2019	2	4	12	24 day_req		0.778	9 daily
Eastern Kern	2018-2019	34.93	-117.937	5/23/2019	4	4	12	28 day_req		0.778	9 daily
Eastern Kern	2018-2019	34.93	-117.937	5/24/2019	4	2	12	32 day_req		0.778	9 daily
Eastern Kern	2019-2020	34.86	-117.718	2/1/2020	10	1133	1	10 day_req	NA	NA	single_day
Eastern Kern	2019-2020	35.704	-118.554	3/10/2020	0	67	1	0 day_req	NA	NA	single_day
Eastern Kern	2019-2020	35.722	-118.554	3/18/2020	0	10	1	0 day_req	NA	NA	single_day
Eastern Kern	2019-2020	35.727	-118.555	3/10/2020	0	24	1	0 day_req	NA	NA	single_day
Eastern Kern	2019-2020	35.733	-118.56	3/16/2020	0	5	1	0 day_req	NA	NA	single_day
Eastern Kern	2019-2020	35.741	-118.544	3/16/2020	0	5	1	0 day_req	NA	NA	single_day
Eastern Kern	2020-2021	34.905	-117.932	12/8/2020	1	1	1	1 day_req	NA	NA	single_day
Eastern Kern	2020-2021	34.93	-117.937	12/9/2020	2	2	1	2 day_req	NA	NA	single_day
Ventura	2019-2020	34.776	-118.971	2/13/2020	0	8	5	0 day_req		0.66	9 daily
Ventura	2019-2020	34.776	-118.971	2/14/2020	8	8	5	8 day_req		0.66	9 daily
Ventura	2019-2020	34.776	-118.971	2/18/2020	6	6	5	14 day_req		0.66	9 daily
Ventura	2019-2020	34.776	-118.971	2/19/2020	5	5	5	19 day_req		0.66	9 daily
Ventura	2019-2020	34.776	-118.971	2/20/2020	1	1	5	20 day_req		0.66	9 daily

Ventura	2019-2020	34.778	-118.977	3/4/2020	1	1	1	1 day_req	NA	NA	single_day
Ventura	2020-2021	34.778	-118.977	4/27/2021	3	20	3	3 seas_req	0.028		9 seasonal
Ventura	2020-2021	34.778	-118.977	4/28/2021	8	100	3	11 seas_req	0.028		9 seasonal
Ventura	2020-2021	34.778	-118.977	4/29/2021	2	3	3	13 seas_req	0.028		9 seasonal
Santa Barbara	2018-2019	34.409	-119.849	8/9/2018	15	0.45	2	15 day_req	0.85		4 daily
Santa Barbara	2018-2019	34.409	-119.849	8/31/2018	0.45	0.45	2	15.45 day_req	0.85		4 daily
Santa Barbara	2018-2019	34.687	-120.439	2/26/2019	1.2	2.4	1	1.2 day_req	NA	NA	single_day
Santa Barbara	2018-2019	34.733	-119.994	3/5/2019	7.27	10	1	7.27 day_req	NA	NA	single_day
Santa Barbara	2018-2019	34.742	-119.986	3/20/2019	0.5	10	1	0.5 day_req	NA	NA	single_day
Santa Barbara	2019-2020	34.698	-120.221	11/12/2019	0.1	119	1	0.1 day_req	NA	NA	single_day
Santa Barbara	2019-2020	34.702	-120.207	11/13/2019	0	138	1	0 day_req	NA	NA	single_day
Santa Barbara	2019-2020	34.706	-120.214	11/13/2019	0	99	1	0 day_req	NA	NA	single_day
Santa Barbara	2019-2020	34.735	-120.006	2/12/2020	0.5	3	4	0.5 seas_req	0.238		9 seasonal
Santa Barbara	2019-2020	34.735	-120.006	2/13/2020	0.75	3	4	1.25 seas_req	0.238		9 seasonal
Santa Barbara	2019-2020	34.735	-120.006	2/18/2020	1	3	4	2.25 seas_req	0.238		9 seasonal
Santa Barbara	2019-2020	34.735	-120.006	2/19/2020	4.6	3	4	6.85 seas_req	0.238		9 seasonal
Santa Barbara	2019-2020	34.742	-119.986	2/20/2020	4	10	1	4 day_req	NA	NA	single_day
Santa Barbara	2019-2020	34.756	-120.636	9/18/2019	1.5	30	1	1.5 day_req	NA	NA	single_day
Santa Barbara	2019-2020	34.834	-120.483	11/6/2019	0	80	1	0 day_req	NA	NA	single_day
Santa Barbara	2019-2020	34.896	-120.454	9/26/2019	50	47.3	1	50 day_req	NA	NA	single_day
Santa Barbara	2019-2020	35.029	-120.195	3/2/2020	4.6	10	1	4.6 day_req	NA	NA	single_day
Santa Barbara	2020-2021	34.408	-119.848	9/3/2020	1	0.5	1	1 day_req	NA	NA	single_day
Santa Barbara	2020-2021	34.492	-119.798	3/30/2021	2	2	2	2 day_req	0.904		9 daily
Santa Barbara	2020-2021	34.492	-119.798	4/14/2021	0	2	2	2 day_req	0.904		9 daily
Santa Barbara	2020-2021	34.543	-119.792	3/1/2021	0	5	4	0 seas_req	0.032		9 seasonal
Santa Barbara	2020-2021	34.543	-119.792	3/2/2021	2.5	5	4	2.5 seas_req	0.032		9 seasonal
Santa Barbara	2020-2021	34.543	-119.792	3/3/2021	0	5	4	2.5 seas_req	0.032		9 seasonal
Santa Barbara	2020-2021	34.543	-119.792	3/4/2021	0	5	4	2.5 seas_req	0.032		9 seasonal
Santa Barbara	2020-2021	34.702	-120.207	11/11/2020	138	138	1	138 day_req	NA	NA	single_day
Santa Barbara	2020-2021	34.706	-120.214	11/11/2020	0	99	1	0 day_req	NA	NA	single_day
Santa Barbara	2020-2021	34.708	-120.106	5/26/2021	60	60	2	60 day_req	0.902		6 daily
Santa Barbara	2020-2021	34.708	-120.106	5/27/2021	100	100	2	160 day_req	0.902		6 daily
Santa Barbara	2020-2021	34.732	-120.382	11/3/2020	211	211	1	211 day_req	NA	NA	single_day
Santa Barbara	2020-2021	34.735	-120.006	2/18/2021	3	6	2	3 seas_req	0.04		9 seasonal
Santa Barbara	2020-2021	34.735	-120.006	2/19/2021	0	6	2	3 seas_req	0.04		9 seasonal
Santa Barbara	2020-2021	34.735	-119.991	2/18/2021	0	5	19	0 seas_req	0.04		9 seasonal
Santa Barbara	2020-2021	34.735	-119.991	2/19/2021	0	5	19	0 seas_req	0.04		9 seasonal
Santa Barbara	2020-2021	34.735	-119.991	2/23/2021	3	4	19	3 seas_req	0.04		9 seasonal
Santa Barbara	2020-2021	34.735	-119.991	2/24/2021	0	4	19	3 seas_req	0.04		9 seasonal
Santa Barbara	2020-2021	34.735	-119.991	3/1/2021	0	3	19	3 seas_req	0.04		9 seasonal

Santa Barbara	2020-2021	34.735	-119.991	3/2/2021	0	3	19	3 seas_req	0.04	9 seasonal	
Santa Barbara	2020-2021	34.735	-119.991	3/9/2021	0	3	19	3 seas_req	0.04	9 seasonal	
Santa Barbara	2020-2021	34.735	-119.991	3/10/2021	0	3	19	3 seas_req	0.04	9 seasonal	
Santa Barbara	2020-2021	34.735	-119.991	3/11/2021	0	3	19	3 seas_req	0.04	9 seasonal	
Santa Barbara	2020-2021	34.735	-119.991	3/12/2021	0	3	19	3 seas_req	0.04	9 seasonal	
Santa Barbara	2020-2021	34.735	-119.991	3/16/2021	0	3	19	3 seas_req	0.04	9 seasonal	
Santa Barbara	2020-2021	34.735	-119.991	3/17/2021	0	3	19	3 seas_req	0.04	9 seasonal	
Santa Barbara	2020-2021	34.735	-119.991	3/18/2021	3	3	19	6 seas_req	0.04	9 seasonal	
Santa Barbara	2020-2021	34.735	-119.991	3/23/2021	0	3	19	6 seas_req	0.04	9 seasonal	
Santa Barbara	2020-2021	34.735	-119.991	3/24/2021	0	3	19	6 seas_req	0.04	9 seasonal	
Santa Barbara	2020-2021	34.735	-119.991	3/25/2021	0	3	19	6 seas_req	0.04	9 seasonal	
Santa Barbara	2020-2021	34.735	-119.991	3/29/2021	0	3	19	6 seas_req	0.04	9 seasonal	
Santa Barbara	2020-2021	34.735	-119.991	3/30/2021	3	3	19	9 seas_req	0.04	9 seasonal	
Santa Barbara	2020-2021	34.735	-119.991	3/31/2021	0	3	19	9 seas_req	0.04	9 seasonal	
Santa Barbara	2020-2021	34.935	-119.844	3/11/2021	0	4	6	0 seas_req	0.056	9 seasonal	
Santa Barbara	2020-2021	34.935	-119.844	3/16/2021	0	3	6	0 seas_req	0.056	9 seasonal	
Santa Barbara	2020-2021	34.935	-119.844	3/17/2021	0	3	6	0 seas_req	0.056	9 seasonal	
Santa Barbara	2020-2021	34.935	-119.844	3/18/2021	0	3	6	0 seas_req	0.056	9 seasonal	
Santa Barbara	2020-2021	34.935	-119.844	3/24/2021	0	3	6	0 seas_req	0.056	9 seasonal	
Santa Barbara	2020-2021	34.935	-119.844	3/25/2021	3	3	6	3 seas_req	0.056	9 seasonal	
Santa Barbara	2020-2021	35.029	-120.195	4/14/2021	1	3	1	1 day_req	NA	NA	single_day
Antelope Valley	2019-2020	34.389	-117.718	12/19/2019	1	0.71	1	1 day_req	NA	NA	single_day
Antelope Valley	2019-2020	34.444	-117.85	12/16/2019	1	1	1	1 day_req	NA	NA	single_day
Antelope Valley	2019-2020	34.7	-118.573	3/6/2020	6	30	1	6 day_req	NA	NA	single_day
Antelope Valley	2019-2020	34.78	-118.129	9/9/2019	22	30	1	22 day_req	NA	NA	single_day
Antelope Valley	2019-2020	34.78	-118.119	9/7/2019	57	22	1	57 day_req	NA	NA	single_day
Antelope Valley	2019-2020	34.781	-118.123	9/6/2019	150	57	1	150 day_req	NA	NA	single_day
Antelope Valley	2019-2020	34.785	-118.131	9/11/2019	0	36	1	0 day_req	NA	NA	single_day
Antelope Valley	2019-2020	34.787	-118.123	9/12/2019	0	9	2	0 day_req	0.982		1 daily
Antelope Valley	2019-2020	34.787	-118.123	1/31/2020	4	0.5	2	4 day_req	0.982		1 daily
Antelope Valley	2019-2020	34.788	-118.128	9/10/2019	30	24	1	30 day_req	NA	NA	single_day
Antelope Valley	2020-2021	34.379	-117.689	1/26/2021	0	62	2	0 seas_req	0.12		9 seasonal
Antelope Valley	2020-2021	34.379	-117.689	3/1/2021	1	62	2	1 seas_req	0.12		9 seasonal
Antelope Valley	2020-2021	34.398	-117.742	2/26/2021	0	19	3	0 seas_req	0.11		9 seasonal
Antelope Valley	2020-2021	34.398	-117.742	3/2/2021	0	10	3	0 seas_req	0.11		9 seasonal
Antelope Valley	2020-2021	34.398	-117.742	3/3/2021	0	19	3	0 seas_req	0.11		9 seasonal
Antelope Valley	2020-2021	34.399	-117.732	2/26/2021	0	46	4	0 seas_req	0.11		9 seasonal
Antelope Valley	2020-2021	34.399	-117.732	3/2/2021	0	23	4	0 seas_req	0.11		9 seasonal
Antelope Valley	2020-2021	34.399	-117.732	3/3/2021	0	23	4	0 seas_req	0.11		9 seasonal
Antelope Valley	2020-2021	34.399	-117.732	4/22/2021	0	23	4	0 seas_req	0.11		9 seasonal

Antelope Valley	2020-2021	34.445	-117.849	1/26/2021	9	41	1	9 day_req	NA	NA	single_day
Antelope Valley	2020-2021	34.785	-118.131	10/14/2020	4	20	2	4 seas_req		0.14	9 seasonal
Antelope Valley	2020-2021	34.785	-118.131	12/10/2020	0	3	2	4 seas_req		0.14	9 seasonal
Antelope Valley	2020-2021	34.789	-118.102	9/1/2020	8	15	1	8 day_req	NA	NA	single_day
South Coast	2018-2019	34.174	-117.671	12/3/2018	0	1	1	0 day_req	NA	NA	single_day
South Coast	2018-2019	34.267	-118.162	4/9/2019	0	10	5	0 seas_req		0.076	9 seasonal
South Coast	2018-2019	34.267	-118.162	4/11/2019	6	10	5	6 seas_req		0.076	9 seasonal
South Coast	2018-2019	34.267	-118.162	4/12/2019	4	4	5	10 seas_req		0.076	9 seasonal
South Coast	2018-2019	34.267	-118.162	4/17/2019	4	4	5	14 seas_req		0.076	9 seasonal
South Coast	2018-2019	34.267	-118.162	5/24/2019	0	50	5	14 seas_req		0.076	9 seasonal
South Coast	2018-2019	34.602	-118.386	4/18/2019	8	17	2	8 day_req		0.806	9 daily
South Coast	2018-2019	34.602	-118.386	4/19/2019	17	9	2	25 day_req		0.806	9 daily
South Coast	2019-2020	33.61	-116.655	2/10/2020	175	175	1	175 day_req	NA	NA	single_day
South Coast	2019-2020	33.617	-116.623	1/11/2020	3	3	1	3 day_req	NA	NA	single_day
South Coast	2019-2020	33.639	-117.389	2/3/2020	0	80	6	0 day_req		0.634	9 daily
South Coast	2019-2020	33.639	-117.389	2/6/2020	80	80	6	80 day_req		0.634	9 daily
South Coast	2019-2020	33.639	-117.389	2/7/2020	18	20	6	98 day_req		0.634	9 daily
South Coast	2019-2020	33.639	-117.389	2/12/2020	80	80	6	178 day_req		0.634	9 daily
South Coast	2019-2020	33.639	-117.389	2/13/2020	25	25	6	203 day_req		0.634	9 daily
South Coast	2019-2020	33.639	-117.389	3/6/2020	18	20	6	221 day_req		0.634	9 daily
South Coast	2019-2020	33.651	-117.414	12/6/2019	5	5	1	5 day_req	NA	NA	single_day
South Coast	2019-2020	33.708	-116.718	1/10/2020	10	5	4	10 day_req		0.656	9 daily
South Coast	2019-2020	33.708	-116.718	1/12/2020	1	2	4	11 day_req		0.656	9 daily
South Coast	2019-2020	33.708	-116.718	2/21/2020	5	5	4	16 day_req		0.656	9 daily
South Coast	2019-2020	33.708	-116.718	2/26/2020	0	3	4	16 day_req		0.656	9 daily
South Coast	2019-2020	33.728	-116.738	2/13/2020	5	5	2	5 day_req		0.886	9 daily
South Coast	2019-2020	33.728	-116.738	2/25/2020	6	6	2	11 day_req		0.886	9 daily
South Coast	2019-2020	33.738	-116.838	1/23/2020	3	3	1	3 day_req	NA	NA	single_day
South Coast	2019-2020	33.763	-117.484	12/6/2019	2	2	1	2 day_req	NA	NA	single_day
South Coast	2019-2020	33.783	-116.752	1/10/2020	0	4	1	0 day_req	NA	NA	single_day
South Coast	2019-2020	33.837	-116.809	1/7/2020	5	9	2	5 day_req		0.7	9 daily
South Coast	2019-2020	33.837	-116.809	1/8/2020	4	1	2	9 day_req		0.7	9 daily
South Coast	2019-2020	33.982	-116.916	11/25/2019	10	10	1	10 day_req	NA	NA	single_day
South Coast	2019-2020	34.079	-117.043	12/13/2019	5	5	1	5 day_req	NA	NA	single_day
South Coast	2019-2020	34.153	-116.986	1/15/2020	0	5	5	0 day_req		0.658	9 daily
South Coast	2019-2020	34.153	-116.986	1/16/2020	4	2	5	4 day_req		0.658	9 daily
South Coast	2019-2020	34.153	-116.986	2/25/2020	0	5	5	4 day_req		0.658	9 daily
South Coast	2019-2020	34.153	-116.986	2/26/2020	5	1	5	9 day_req		0.658	9 daily
South Coast	2019-2020	34.153	-116.986	2/27/2020	1	1	5	10 day_req		0.658	9 daily
South Coast	2019-2020	34.166	-117.769	1/24/2020	2	2	1	2 day_req	NA	NA	single_day



South Coast	2019-2020	34.166	-117.25	12/4/2019	14	15	2	14 seas_req		0.238	9 seasonal
South Coast	2019-2020	34.166	-117.25	3/11/2020	0	1	2	14 seas_req		0.238	9 seasonal
South Coast	2019-2020	34.172	-117.129	1/22/2020	0.5	20	1	0.5 day_req	NA	NA	single_day
South Coast	2019-2020	34.172	-117.107	3/9/2020	3	5	1	3 day_req	NA	NA	single_day
South Coast	2019-2020	34.192	-117.428	12/14/2019	4	3	1	4 day_req	NA	NA	single_day
South Coast	2019-2020	34.194	-116.913	3/7/2020	0	25	1	0 day_req	NA	NA	single_day
South Coast	2019-2020	34.22	-116.974	5/14/2020	93.6	108	4	93.6 seas_req		0.074	9 seasonal
South Coast	2019-2020	34.22	-116.974	5/15/2020	93.6	236	4	187.2 seas_req		0.074	9 seasonal
South Coast	2019-2020	34.22	-116.974	5/17/2020	73.5	150	4	260.7 seas_req		0.074	9 seasonal
South Coast	2019-2020	34.22	-116.974	5/21/2020	93.6	100	4	354.3 seas_req		0.074	9 seasonal
South Coast	2019-2020	34.227	-118.063	1/21/2020	10	10	3	10 day_req		0.872	9 daily
South Coast	2019-2020	34.227	-118.063	1/22/2020	10	10	3	20 day_req		0.872	9 daily
South Coast	2019-2020	34.227	-118.063	1/23/2020	10	10	3	30 day_req		0.872	9 daily
South Coast	2019-2020	34.231	-116.831	11/25/2019	0	260	7	0 seas_req		0.124	9 seasonal
South Coast	2019-2020	34.231	-116.831	12/8/2019	41	41	7	41 seas_req		0.124	9 seasonal
South Coast	2019-2020	34.231	-116.831	1/28/2020	32	32	7	73 seas_req		0.124	9 seasonal
South Coast	2019-2020	34.231	-116.831	1/29/2020	0	60	7	73 seas_req		0.124	9 seasonal
South Coast	2019-2020	34.231	-116.831	1/30/2020	80	80	7	153 seas_req		0.124	9 seasonal
South Coast	2019-2020	34.231	-116.831	1/31/2020	90	90	7	243 seas_req		0.124	9 seasonal
South Coast	2019-2020	34.231	-116.831	2/1/2020	25	25	7	268 seas_req		0.124	9 seasonal
South Coast	2019-2020	34.232	-116.773	12/9/2019	32	40	13	32 day_req		0.564	9 uncertain
South Coast	2019-2020	34.232	-116.773	12/10/2019	84	100	13	116 day_req		0.564	9 uncertain
South Coast	2019-2020	34.232	-116.773	2/5/2020	81	81	13	197 day_req		0.564	9 uncertain
South Coast	2019-2020	34.232	-116.773	2/6/2020	40	40	13	237 day_req		0.564	9 uncertain
South Coast	2019-2020	34.232	-116.773	2/10/2020	100	100	13	337 day_req		0.564	9 uncertain
South Coast	2019-2020	34.232	-116.773	2/11/2020	95	95	13	432 day_req		0.564	9 uncertain
South Coast	2019-2020	34.232	-116.773	2/12/2020	133	133	13	565 day_req		0.564	9 uncertain
South Coast	2019-2020	34.232	-116.773	2/19/2020	36	36	13	601 day_req		0.564	9 uncertain
South Coast	2019-2020	34.232	-116.773	2/20/2020	69	69	13	670 day_req		0.564	9 uncertain
South Coast	2019-2020	34.232	-116.773	3/3/2020	15	19	13	685 day_req		0.564	9 uncertain
South Coast	2019-2020	34.232	-116.773	3/4/2020	41	275	13	726 day_req		0.564	9 uncertain
South Coast	2019-2020	34.232	-116.773	3/11/2020	28	110	13	754 day_req		0.564	9 uncertain
South Coast	2019-2020	34.232	-116.773	3/15/2020	0	4	13	754 day_req		0.564	9 uncertain
South Coast	2019-2020	34.234	-117.862	3/10/2020	5	5	1	5 day_req	NA	NA	single_day
South Coast	2019-2020	34.235	-116.87	11/25/2019	2	181	3	2 seas_req		0.082	9 seasonal
South Coast	2019-2020	34.235	-116.87	11/26/2019	0	50	3	2 seas_req		0.082	9 seasonal
South Coast	2019-2020	34.235	-116.87	2/29/2020	144	144	3	146 seas_req		0.082	9 seasonal
South Coast	2019-2020	34.236	-117.145	11/24/2019	36	36	1	36 day_req	NA	NA	single_day
South Coast	2019-2020	34.25	-117.642	2/6/2020	10	10	5	10 day_req		0.856	9 daily
South Coast	2019-2020	34.25	-117.642	2/14/2020	40	40	5	50 day_req		0.856	9 daily

South Coast	2019-2020	34.25	-117.642	2/27/2020	10	10	5	60 day_req	0.856	9 daily
South Coast	2019-2020	34.25	-117.642	2/28/2020	10	10	5	70 day_req	0.856	9 daily
South Coast	2019-2020	34.25	-117.642	3/17/2020	4	4	5	74 day_req	0.856	9 daily
South Coast	2019-2020	34.251	-117.131	4/22/2020	20	20	2	20 day_req	0.878	9 daily
South Coast	2019-2020	34.251	-117.131	4/23/2020	0	20	2	20 day_req	0.878	9 daily
South Coast	2019-2020	34.265	-116.901	2/24/2020	57	57	1	57 day_req	NA	NA single_day
South Coast	2019-2020	34.267	-118.162	12/21/2019	10	30	1	10 day_req	NA	NA single_day
South Coast	2019-2020	34.269	-118.177	1/27/2020	50	50	5	50 day_req	0.856	9 daily
South Coast	2019-2020	34.269	-118.177	1/28/2020	50	50	5	100 day_req	0.856	9 daily
South Coast	2019-2020	34.269	-118.177	2/6/2020	15	15	5	115 day_req	0.856	9 daily
South Coast	2019-2020	34.269	-118.177	2/20/2020	40	40	5	155 day_req	0.856	9 daily
South Coast	2019-2020	34.269	-118.177	2/28/2020	3	3	5	158 day_req	0.856	9 daily
South Coast	2019-2020	34.295	-118.361	12/7/2019	2	3	1	2 day_req	NA	NA single_day
South Coast	2019-2020	34.329	-118.124	12/17/2019	0	1	2	0 day_req	0.894	9 daily
South Coast	2019-2020	34.329	-118.124	12/18/2019	1	1	2	1 day_req	0.894	9 daily
South Coast	2019-2020	34.346	-117.985	2/8/2020	34	34	5	34 day_req	0.778	9 daily
South Coast	2019-2020	34.346	-117.985	2/15/2020	5	5	5	39 day_req	0.778	9 daily
South Coast	2019-2020	34.346	-117.985	2/21/2020	11	11	5	50 day_req	0.778	9 daily
South Coast	2019-2020	34.346	-117.985	2/22/2020	15	15	5	65 day_req	0.778	9 daily
South Coast	2019-2020	34.346	-117.985	3/8/2020	0	10	5	65 day_req	0.778	9 daily
South Coast	2019-2020	34.359	-118.396	12/19/2019	3	10	1	3 day_req	NA	NA single_day
South Coast	2019-2020	34.388	-118.078	12/13/2019	2.5	2.5	1	2.5 day_req	NA	NA single_day
South Coast	2019-2020	34.503	-118.452	12/20/2019	3	3	1	3 day_req	NA	NA single_day
South Coast	2019-2020	34.527	-118.531	1/23/2020	1	4	1	1 day_req	NA	NA single_day
South Coast	2019-2020	34.554	-118.516	2/12/2020	3	3	1	3 day_req	NA	NA single_day
South Coast	2019-2020	34.57	-118.366	2/22/2020	50	50	1	50 day_req	NA	NA single_day
South Coast	2019-2020	34.599	-118.722	1/23/2020	0	2	1	0 day_req	NA	NA single_day
South Coast	2019-2020	34.61	-118.391	1/24/2020	3	3	1	3 day_req	NA	NA single_day
South Coast	2019-2020	34.638	-118.386	2/5/2020	2	2	2	2 day_req	0.85	9 daily
South Coast	2019-2020	34.638	-118.386	2/14/2020	10	10	2	12 day_req	0.85	9 daily
South Coast	2020-2021	33.593	-117.025	3/10/2021	5	5	1	5 day_req	NA	NA single_day
South Coast	2020-2021	33.608	-117.354	2/15/2021	0	22	3	0 seas_req	0.068	9 seasonal
South Coast	2020-2021	33.608	-117.354	2/16/2021	0	10	3	0 seas_req	0.068	9 seasonal
South Coast	2020-2021	33.608	-117.354	3/8/2021	7	7	3	7 seas_req	0.068	9 seasonal
South Coast	2020-2021	33.61	-117.353	3/3/2021	15	17	2	15 day_req	0.608	9 daily
South Coast	2020-2021	33.61	-117.353	3/8/2021	16	16	2	31 day_req	0.608	9 daily
South Coast	2020-2021	33.637	-117.421	3/24/2021	6	6	1	6 day_req	NA	NA single_day
South Coast	2020-2021	33.643	-117.445	4/21/2021	0	15	2	0 seas_req	0.064	9 seasonal
South Coast	2020-2021	33.643	-117.445	4/28/2021	0	14	2	0 seas_req	0.064	9 seasonal
South Coast	2020-2021	33.651	-117.414	1/26/2021	0	2	2	0 day_req	0.638	1 daily

South Coast	2020-2021	33.651	-117.414	1/27/2021	4	3	2	4 day_req	0.638	1 daily
South Coast	2020-2021	33.715	-116.682	1/6/2021	30	60	3	30 seas_req	0.07	9 seasonal
South Coast	2020-2021	33.715	-116.682	1/7/2021	10	50	3	40 seas_req	0.07	9 seasonal
South Coast	2020-2021	33.715	-116.682	1/12/2021	0	10	3	40 seas_req	0.07	9 seasonal
South Coast	2020-2021	33.738	-116.838	2/16/2021	10	10	1	10 day_req	NA	NA single_day
South Coast	2020-2021	33.744	-117.655	3/13/2021	5	5	1	5 day_req	NA	NA single_day
South Coast	2020-2021	33.762	-117.483	1/26/2021	3	3	1	3 day_req	NA	NA single_day
South Coast	2020-2021	33.783	-116.752	4/22/2021	15	15	1	15 day_req	NA	NA single_day
South Coast	2020-2021	33.809	-117.445	1/6/2021	9	8	1	9 day_req	NA	NA single_day
South Coast	2020-2021	33.811	-117.446	1/6/2021	0	7	1	0 day_req	NA	NA single_day
South Coast	2020-2021	33.837	-116.809	2/2/2021	5	5	5	5 day_req	0.7	9 daily
South Coast	2020-2021	33.837	-116.809	2/3/2021	10	12.5	5	15 day_req	0.7	9 daily
South Coast	2020-2021	33.837	-116.809	2/4/2021	0	5	5	15 day_req	0.7	9 daily
South Coast	2020-2021	33.837	-116.809	2/5/2021	5	5	5	20 day_req	0.7	9 daily
South Coast	2020-2021	33.837	-116.809	4/14/2021	10	10	5	30 day_req	0.7	9 daily
South Coast	2020-2021	33.875	-117.55	1/26/2021	1	1	1	1 day_req	NA	NA single_day
South Coast	2020-2021	34.079	-117.047	2/2/2021	0	14	2	0 day_req	0.872	9 daily
South Coast	2020-2021	34.079	-117.047	4/15/2021	15	15	2	15 day_req	0.872	9 daily
South Coast	2020-2021	34.166	-117.251	3/3/2021	15	15	1	15 day_req	NA	NA single_day
South Coast	2020-2021	34.174	-117.671	2/3/2021	3	1	1	3 day_req	NA	NA single_day
South Coast	2020-2021	34.186	-117.181	4/27/2021	15	15	1	15 day_req	NA	NA single_day
South Coast	2020-2021	34.193	-117.427	2/16/2021	0	2	2	0 day_req	0.832	9 daily
South Coast	2020-2021	34.193	-117.427	3/10/2021	4	4	2	4 day_req	0.832	9 daily
South Coast	2020-2021	34.194	-116.913	1/12/2021	2.5	25	3	2.5 seas_req	0.07	9 seasonal
South Coast	2020-2021	34.194	-116.913	1/13/2021	0	2	3	2.5 seas_req	0.07	9 seasonal
South Coast	2020-2021	34.194	-116.913	1/28/2021	2.5	4	3	5 seas_req	0.07	9 seasonal
South Coast	2020-2021	34.196	-118.022	2/22/2021	0	8	4	0 day_req	0.57	1 uncertain
South Coast	2020-2021	34.196	-118.022	2/23/2021	0	8	4	0 day_req	0.57	1 uncertain
South Coast	2020-2021	34.196	-118.022	2/24/2021	0	2	4	0 day_req	0.57	1 uncertain
South Coast	2020-2021	34.196	-118.022	2/26/2021	3	2	4	3 day_req	0.57	1 uncertain
South Coast	2020-2021	34.22	-116.924	4/20/2021	165	165	2	165 day_req	0.812	9 daily
South Coast	2020-2021	34.22	-116.924	4/23/2021	165	125	2	330 day_req	0.812	9 daily
South Coast	2020-2021	34.225	-116.969	4/25/2021	0	50	3	0 seas_req	0.408	9 uncertain
South Coast	2020-2021	34.225	-116.969	5/2/2021	128	108	3	128 seas_req	0.408	9 uncertain
South Coast	2020-2021	34.225	-116.969	5/22/2021	50	54	3	178 seas_req	0.408	9 uncertain
South Coast	2020-2021	34.232	-116.773	2/3/2021	20	20	9	20 seas_req	0.302	9 seasonal
South Coast	2020-2021	34.232	-116.773	2/4/2021	20	20	9	40 seas_req	0.302	9 seasonal
South Coast	2020-2021	34.232	-116.773	2/5/2021	2	40	9	42 seas_req	0.302	9 seasonal
South Coast	2020-2021	34.232	-116.773	2/6/2021	5	5	9	47 seas_req	0.302	9 seasonal
South Coast	2020-2021	34.232	-116.773	2/13/2021	0	50	9	47 seas_req	0.302	9 seasonal

South Coast	2020-2021	34.232	-116.773	3/10/2021	0	26	9	47 seas_req	0.302	9 seasonal	
South Coast	2020-2021	34.232	-116.773	3/11/2021	56	26	9	103 seas_req	0.302	9 seasonal	
South Coast	2020-2021	34.232	-116.773	3/12/2021	20	11	9	123 seas_req	0.302	9 seasonal	
South Coast	2020-2021	34.232	-116.773	3/16/2021	71	78	9	194 seas_req	0.302	9 seasonal	
South Coast	2020-2021	34.233	-116.871	3/27/2021	5	10	2	5 day_req	0.73	9 daily	
South Coast	2020-2021	34.233	-116.871	3/30/2021	5	5	2	10 day_req	0.73	9 daily	
South Coast	2020-2021	34.234	-118.184	2/22/2021	0	2	4	0 seas_req	0.06	9 seasonal	
South Coast	2020-2021	34.234	-118.184	2/23/2021	0	2	4	0 seas_req	0.06	9 seasonal	
South Coast	2020-2021	34.234	-118.184	2/24/2021	0	2	4	0 seas_req	0.06	9 seasonal	
South Coast	2020-2021	34.234	-118.184	3/2/2021	2	2	4	2 seas_req	0.06	9 seasonal	
South Coast	2020-2021	34.234	-117.862	2/4/2021	3	3	1	3 day_req	NA	NA	single_day
South Coast	2020-2021	34.234	-117.48	4/14/2021	40	40	1	40 day_req	NA	NA	single_day
South Coast	2020-2021	34.235	-117.19	1/13/2021	0	5	5	0 seas_req	0.152	9 seasonal	
South Coast	2020-2021	34.235	-117.19	1/28/2021	0	5	5	0 seas_req	0.152	9 seasonal	
South Coast	2020-2021	34.235	-117.19	2/10/2021	0	5	5	0 seas_req	0.152	9 seasonal	
South Coast	2020-2021	34.235	-117.19	2/14/2021	5	5	5	5 seas_req	0.152	9 seasonal	
South Coast	2020-2021	34.235	-117.19	3/9/2021	1	1	5	6 seas_req	0.152	9 seasonal	
South Coast	2020-2021	34.236	-117.145	3/25/2021	15	15	1	15 day_req	NA	NA	single_day
South Coast	2020-2021	34.251	-117.131	2/26/2021	2	3	1	2 day_req	NA	NA	single_day
South Coast	2020-2021	34.265	-116.901	3/13/2021	0	10	2	0 seas_req	0.09	9 seasonal	
South Coast	2020-2021	34.265	-116.901	3/14/2021	2	2	2	2 seas_req	0.09	9 seasonal	
South Coast	2020-2021	34.271	-118.155	1/26/2021	6	6	3	6 seas_req	0.06	9 seasonal	
South Coast	2020-2021	34.271	-118.155	3/1/2021	0	6	3	6 seas_req	0.06	9 seasonal	
South Coast	2020-2021	34.271	-118.155	3/2/2021	0	6	3	6 seas_req	0.06	9 seasonal	
South Coast	2020-2021	34.282	-117.352	3/5/2021	5	5	1	5 day_req	NA	NA	single_day
South Coast	2020-2021	34.287	-118.226	2/13/2021	3	3	2	3 day_req	0.886	9 daily	
South Coast	2020-2021	34.287	-118.226	4/15/2021	4	4	2	7 day_req	0.886	9 daily	
South Coast	2020-2021	34.288	-117.213	2/16/2021	0	5	2	0 day_req	0.904	9 daily	
South Coast	2020-2021	34.288	-117.213	2/17/2021	5	5	2	5 day_req	0.904	9 daily	
South Coast	2020-2021	34.295	-118.361	2/2/2021	2	2.1	3	2 day_req	0.72	9 daily	
South Coast	2020-2021	34.295	-118.361	2/4/2021	2	1	3	4 day_req	0.72	9 daily	
South Coast	2020-2021	34.295	-118.361	4/14/2021	2	2	3	6 day_req	0.72	9 daily	
South Coast	2020-2021	34.319	-117.842	2/10/2021	5	5	10	5 seas_req	0.07	9 seasonal	
South Coast	2020-2021	34.319	-117.842	2/11/2021	5	5	10	10 seas_req	0.07	9 seasonal	
South Coast	2020-2021	34.319	-117.842	2/17/2021	0	10	10	10 seas_req	0.07	9 seasonal	
South Coast	2020-2021	34.319	-117.842	2/18/2021	10	10	10	20 seas_req	0.07	9 seasonal	
South Coast	2020-2021	34.319	-117.842	2/19/2021	10	10	10	30 seas_req	0.07	9 seasonal	
South Coast	2020-2021	34.319	-117.842	2/22/2021	0	10	10	30 seas_req	0.07	9 seasonal	
South Coast	2020-2021	34.319	-117.842	2/23/2021	0	10	10	30 seas_req	0.07	9 seasonal	
South Coast	2020-2021	34.319	-117.842	2/24/2021	0	10	10	30 seas_req	0.07	9 seasonal	

South Coast	2020-2021	34.319	-117.842	3/3/2021	0	35	10	30 seas_req		0.07	9 seasonal
South Coast	2020-2021	34.319	-117.842	3/17/2021	0	15	10	30 seas_req		0.07	9 seasonal
South Coast	2020-2021	34.328	-118.124	1/26/2021	6	6	1	6 day_req	NA	NA	single_day
South Coast	2020-2021	34.333	-118.024	1/26/2021	6	50	1	6 day_req	NA	NA	single_day
South Coast	2020-2021	34.338	-118.011	2/11/2021	50	50	2	50 day_req		0.796	9 daily
South Coast	2020-2021	34.338	-118.011	2/12/2021	4	15	2	54 day_req		0.796	9 daily
South Coast	2020-2021	34.347	-117.993	2/6/2021	21	5	3	21 day_req		0.86	1 daily
South Coast	2020-2021	34.347	-117.993	2/18/2021	0	3	3	21 day_req		0.86	1 daily
South Coast	2020-2021	34.347	-117.993	2/19/2021	23	2	3	44 day_req		0.86	1 daily
South Coast	2020-2021	34.387	-118.079	1/26/2021	41	9	1	41 day_req	NA	NA	single_day
South Coast	2020-2021	34.554	-118.516	2/19/2021	0	2	2	0 seas_req		0.036	9 seasonal
South Coast	2020-2021	34.554	-118.516	2/25/2021	0	1.5	2	0 seas_req		0.036	9 seasonal
South Coast	2020-2021	34.599	-118.722	2/4/2021	1	2	2	1 day_req		0.818	9 daily
South Coast	2020-2021	34.599	-118.722	2/20/2021	4	2	2	5 day_req		0.818	9 daily
South Coast	2020-2021	34.638	-118.386	2/18/2021	2	2	1	2 day_req	NA	NA	single_day
South Coast	2020-2021	34.714	-118.828	2/10/2021	0	2	3	0 seas_req		0.058	9 seasonal
South Coast	2020-2021	34.714	-118.828	2/11/2021	0	2	3	0 seas_req		0.058	9 seasonal
South Coast	2020-2021	34.714	-118.828	2/12/2021	2	2	3	2 seas_req		0.058	9 seasonal
Imperial	2019-2020	32.917	-114.489	2/23/2020	1	1	3	1 seas_req		0.08	9 seasonal
Imperial	2019-2020	32.917	-114.489	2/24/2020	0	1	3	1 seas_req		0.08	9 seasonal
Imperial	2019-2020	32.917	-114.489	2/25/2020	0	1	3	1 seas_req		0.08	9 seasonal
Imperial	2019-2020	33.185	-115.59	4/7/2020	0	25	1	0 day_req	NA	NA	single_day
Imperial	2019-2020	33.256	-115.584	3/16/2020	0	20	3	0 seas_req		0.062	9 seasonal
Imperial	2019-2020	33.256	-115.584	3/31/2020	0	20	3	0 seas_req		0.062	9 seasonal
Imperial	2019-2020	33.256	-115.584	4/9/2020	0	20	3	0 seas_req		0.062	9 seasonal
Imperial	2019-2020	33.26	-115.572	3/16/2020	0	20	3	0 seas_req		0.066	9 seasonal
Imperial	2019-2020	33.26	-115.572	3/31/2020	0	20	3	0 seas_req		0.066	9 seasonal
Imperial	2019-2020	33.26	-115.572	4/7/2020	10	20	3	10 seas_req		0.066	9 seasonal
Imperial	2019-2020	33.27	-115.582	4/1/2020	0	10	2	0 seas_req		0.064	9 seasonal
Imperial	2019-2020	33.27	-115.582	4/8/2020	0	10	2	0 seas_req		0.064	9 seasonal
Imperial	2019-2020	33.288	-115.599	4/2/2020	0	7	2	0 seas_req		0.064	9 seasonal
Imperial	2019-2020	33.288	-115.599	4/6/2020	0	7	2	0 seas_req		0.064	9 seasonal
Imperial	2019-2020	33.316	-115.61	3/30/2020	2	2	1	2 day_req	NA	NA	single_day
Imperial	2019-2020	33.316	-115.605	3/18/2020	0	5	3	0 seas_req		0.078	9 seasonal
Imperial	2019-2020	33.316	-115.605	3/23/2020	0	7	3	0 seas_req		0.078	9 seasonal
Imperial	2019-2020	33.316	-115.605	3/30/2020	5	5	3	5 seas_req		0.078	9 seasonal
Imperial	2020-2021	33.175	-115.625	2/25/2021	14	14	1	14 day_req	NA	NA	single_day
Imperial	2020-2021	33.185	-115.59	12/8/2020	0	25	5	0 seas_req		0.338	9 seasonal
Imperial	2020-2021	33.185	-115.59	1/7/2021	0	39	5	0 seas_req		0.338	9 seasonal
Imperial	2020-2021	33.185	-115.59	1/8/2021	0	36	5	0 seas_req		0.338	9 seasonal

Imperial	2020-2021	33.185	-115.59	2/25/2021	25	25	5	25 seas_req		0.338	9 seasonal
Imperial	2020-2021	33.185	-115.59	6/3/2021	70	70	5	95 seas_req		0.338	9 seasonal
Imperial	2020-2021	33.221	-114.678	1/30/2021	20	20	1	20 day_req	NA	NA	single_day
San Diego	2019-2020	32	-116	11/21/2019	15	15	10	15 day_req		0.834	9 daily
San Diego	2019-2020	32	-116	11/27/2019	15	15	10	30 day_req		0.834	9 daily
San Diego	2019-2020	32	-116	11/29/2019	15	15	10	45 day_req		0.834	9 daily
San Diego	2019-2020	32	-116	12/12/2019	15	10	10	60 day_req		0.834	9 daily
San Diego	2019-2020	32	-116	12/18/2019	15	10	10	75 day_req		0.834	9 daily
San Diego	2019-2020	32	-116	1/7/2020	15	40	10	90 day_req		0.834	9 daily
San Diego	2019-2020	32	-116	1/22/2020	40	40	10	130 day_req		0.834	9 daily
San Diego	2019-2020	32	-116	2/4/2020	40	40	10	170 day_req		0.834	9 daily
San Diego	2019-2020	32	-116	2/11/2020	40	40	10	210 day_req		0.834	9 daily
San Diego	2019-2020	32	-116	2/13/2020	60	40	10	270 day_req		0.834	9 daily
San Diego	2019-2020	32.614	-116.462	3/4/2020	33	33	1	33 day_req	NA	NA	single_day
San Diego	2019-2020	32.818	-116.731	5/1/2020	9	9	1	9 day_req	NA	NA	single_day
San Diego	2019-2020	32.858	-116.742	1/18/2020	20	20	1	20 day_req	NA	NA	single_day
San Diego	2019-2020	32.975	-116.594	5/21/2020	1	120	1	1 day_req	NA	NA	single_day
San Diego	2019-2020	32.986	-116.775	2/21/2020	2	2	1	2 day_req	NA	NA	single_day
San Diego	2019-2020	33.276	-117.414	5/30/2020	300	300	1	300 day_req	NA	NA	single_day
San Diego	2019-2020	33.316	-116.737	1/13/2020	6	6	1	6 day_req	NA	NA	single_day
San Diego	2019-2020	33.327	-117.282	5/23/2020	47	49	1	47 day_req	NA	NA	single_day
San Diego	2019-2020	33.328	-117.363	6/1/2020	60	500	1	60 day_req	NA	NA	single_day
San Diego	2019-2020	33.334	-117.381	5/24/2020	100	100	1	100 day_req	NA	NA	single_day
San Diego	2019-2020	33.34	-116.896	4/29/2020	0.5	1	2	0.5 seas_req		0.136	9 seasonal
San Diego	2019-2020	33.34	-116.896	5/11/2020	0.25	1	2	0.75 seas_req		0.136	9 seasonal
San Diego	2019-2020	33.345	-116.886	12/21/2019	2	2	3	2 day_req		0.898	9 daily
San Diego	2019-2020	33.345	-116.886	12/29/2019	4	4	3	6 day_req		0.898	9 daily
San Diego	2019-2020	33.345	-116.886	2/19/2020	2	2	3	8 day_req		0.898	9 daily
San Diego	2019-2020	33.35	-116.89	1/9/2020	7	7	1	7 day_req	NA	NA	single_day
San Diego	2019-2020	33.35	-116.881	1/24/2020	9	9	2	9 day_req		0.86	9 daily
San Diego	2019-2020	33.35	-116.881	2/5/2020	113	113	2	122 day_req		0.86	9 daily
San Diego	2019-2020	33.361	-117.437	6/3/2020	89	148	1	89 day_req	NA	NA	single_day
San Diego	2019-2020	33.406	-117.298	6/4/2020	94	90	1	94 day_req	NA	NA	single_day
San Diego	2019-2020	33.407	-116.851	12/19/2019	35	35	1	35 day_req	NA	NA	single_day
San Diego	2019-2020	33.448	-117.411	6/1/2020	500	500	1	500 day_req	NA	NA	single_day
San Diego	2020-2021	32	-116	12/28/2020	0	18	9	0 seas_req		0.09	9 seasonal
San Diego	2020-2021	32	-116	12/30/2020	8	18	9	8 seas_req		0.09	9 seasonal
San Diego	2020-2021	32	-116	1/7/2021	2	3	9	10 seas_req		0.09	9 seasonal
San Diego	2020-2021	32	-116	1/8/2021	4	10	9	14 seas_req		0.09	9 seasonal
San Diego	2020-2021	32	-116	2/23/2021	0	31	9	14 seas_req		0.09	9 seasonal

San Diego	2020-2021	32	-116	2/24/2021	0	62	9	14 seas_req	0.09	9 seasonal	
San Diego	2020-2021	32	-116	3/2/2021	31	31	9	45 seas_req	0.09	9 seasonal	
San Diego	2020-2021	32	-116	3/9/2021	0	62	9	45 seas_req	0.09	9 seasonal	
San Diego	2020-2021	32	-116	3/29/2021	62	62	9	107 seas_req	0.09	9 seasonal	
San Diego	2020-2021	32.682	-116.607	1/27/2021	10	10	3	10 seas_req	0.166	9 seasonal	
San Diego	2020-2021	32.682	-116.607	2/12/2021	70	80	3	80 seas_req	0.166	9 seasonal	
San Diego	2020-2021	32.682	-116.607	2/17/2021	10	50	3	90 seas_req	0.166	9 seasonal	
San Diego	2020-2021	32.817	-116.736	3/19/2021	2	2	1	2 day_req	NA	NA	single_day
San Diego	2020-2021	32.84	-116.44	12/29/2020	30	15	8	30 day_req	0.602	9 daily	
San Diego	2020-2021	32.84	-116.44	2/8/2021	10	20	8	40 day_req	0.602	9 daily	
San Diego	2020-2021	32.84	-116.44	2/10/2021	20	10	8	60 day_req	0.602	9 daily	
San Diego	2020-2021	32.84	-116.44	2/15/2021	10	20	8	70 day_req	0.602	9 daily	
San Diego	2020-2021	32.84	-116.44	3/9/2021	10	20	8	80 day_req	0.602	9 daily	
San Diego	2020-2021	32.84	-116.44	3/17/2021	15	9	8	95 day_req	0.602	9 daily	
San Diego	2020-2021	32.84	-116.44	3/23/2021	15	15	8	110 day_req	0.602	9 daily	
San Diego	2020-2021	32.84	-116.44	3/25/2021	0	30	8	110 day_req	0.602	9 daily	
San Diego	2020-2021	32.855	-116.434	4/12/2021	47	47	3	47 seas_req	0.188	9 seasonal	
San Diego	2020-2021	32.855	-116.434	5/19/2021	0	38	3	47 seas_req	0.188	9 seasonal	
San Diego	2020-2021	32.855	-116.434	5/24/2021	15	38	3	62 seas_req	0.188	9 seasonal	
San Diego	2020-2021	32.88	-116.422	1/4/2021	10	10	1	10 day_req	NA	NA	single_day
San Diego	2020-2021	32.96	-116.583	4/12/2021	83	56	1	83 day_req	NA	NA	single_day
San Diego	2020-2021	33.26	-117.357	6/10/2021	30	70	1	30 day_req	NA	NA	single_day
San Diego	2020-2021	33.282	-117.336	6/3/2021	0	200	2	0 day_req	0.622	1 daily	
San Diego	2020-2021	33.282	-117.336	6/4/2021	300	200	2	300 day_req	0.622	1 daily	
San Diego	2020-2021	33.312	-116.642	1/28/2021	2	26	5	2 seas_req	0.136	9 seasonal	
San Diego	2020-2021	33.312	-116.642	2/2/2021	3	24	5	5 seas_req	0.136	9 seasonal	
San Diego	2020-2021	33.312	-116.642	2/3/2021	3	5	5	8 seas_req	0.136	9 seasonal	
San Diego	2020-2021	33.312	-116.642	3/17/2021	0	18	5	8 seas_req	0.136	9 seasonal	
San Diego	2020-2021	33.312	-116.642	3/23/2021	26	18	5	34 seas_req	0.136	9 seasonal	
San Diego	2020-2021	33.317	-116.726	2/9/2021	119	119	1	119 day_req	NA	NA	single_day
San Diego	2020-2021	33.323	-116.747	2/11/2021	52	48	2	52 seas_req	0.408	9 uncertain	
San Diego	2020-2021	33.323	-116.747	2/17/2021	6	30	2	58 seas_req	0.408	9 uncertain	
San Diego	2020-2021	33.328	-117.363	6/7/2021	0	250	4	0 day_req	0.68	8 daily	
San Diego	2020-2021	33.328	-117.363	6/8/2021	10	250	4	10 day_req	0.68	8 daily	
San Diego	2020-2021	33.328	-117.363	6/9/2021	40	250	4	50 day_req	0.68	8 daily	
San Diego	2020-2021	33.328	-117.363	6/10/2021	945	250	4	995 day_req	0.68	8 daily	
San Diego	2020-2021	33.333	-116.891	2/9/2021	67	1	9	67 day_req	0.978	4 daily	
San Diego	2020-2021	33.333	-116.891	2/10/2021	1	2	9	68 day_req	0.978	4 daily	
San Diego	2020-2021	33.333	-116.891	2/11/2021	0	2	9	68 day_req	0.978	4 daily	
San Diego	2020-2021	33.333	-116.891	2/17/2021	1	1	9	69 day_req	0.978	4 daily	

San Diego	2020-2021	33.333	-116.891	2/18/2021	0	1	9	69 day_req	0.978	4 daily
San Diego	2020-2021	33.333	-116.891	3/2/2021	0	1	9	69 day_req	0.978	4 daily
San Diego	2020-2021	33.333	-116.891	3/3/2021	0.5	1	9	69.5 day_req	0.978	4 daily
San Diego	2020-2021	33.333	-116.891	3/23/2021	0.5	1	9	70 day_req	0.978	4 daily
San Diego	2020-2021	33.333	-116.891	3/24/2021	0.5	1	9	70.5 day_req	0.978	4 daily
San Diego	2020-2021	33.334	-117.381	5/30/2021	945	300	1	945 day_req	NA	NA single_day
San Diego	2020-2021	33.344	-116.875	2/2/2021	1	20	3	1 seas_req	0.08	9 seasonal
San Diego	2020-2021	33.344	-116.875	3/2/2021	0	5	3	1 seas_req	0.08	9 seasonal
San Diego	2020-2021	33.344	-116.875	3/3/2021	11	20	3	12 seas_req	0.08	9 seasonal
San Diego	2020-2021	33.35	-116.89	3/10/2021	0	15	1	0 day_req	NA	NA single_day
San Diego	2020-2021	33.362	-116.874	3/8/2021	11	5	1	11 day_req	NA	NA single_day
San Diego	2020-2021	33.368	-116.922	1/31/2021	0	30	2	0 day_req	0.614	1 daily
San Diego	2020-2021	33.368	-116.922	3/10/2021	11	6	2	11 day_req	0.614	1 daily
San Diego	2020-2021	33.383	-117.521	5/14/2021	60	80	2	60 day_req	0.884	9 daily
San Diego	2020-2021	33.383	-117.521	5/15/2021	220	60	2	280 day_req	0.884	9 daily
San Diego	2020-2021	33.406	-117.298	6/7/2021	0	30	3	0 day_req	0.904	9 daily
San Diego	2020-2021	33.406	-117.298	6/8/2021	200	30	3	200 day_req	0.904	9 daily
San Diego	2020-2021	33.406	-117.298	6/9/2021	40	50	3	240 day_req	0.904	9 daily
San Diego	2020-2021	33.448	-117.411	6/7/2021	0	150	4	0 day_req	0.566	9 uncertain
San Diego	2020-2021	33.448	-117.411	6/8/2021	250	150	4	250 day_req	0.566	9 uncertain
San Diego	2020-2021	33.448	-117.411	6/9/2021	150	150	4	400 day_req	0.566	9 uncertain
San Diego	2020-2021	33.448	-117.411	6/10/2021	0	150	4	400 day_req	0.566	9 uncertain

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**Appendix D:**  
Acres Burned Data

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Acres Burned Data by Available Dataset for each Air District, in Alphabetical Order

District	Application of CAPCOA data - as recommended by CAPCOA	PFIRS			PFIRS Total 2018-2021	CAPCOA with location		CAPCOA no location		Total CAPCOA Data
		2018-2019	2019-2020	2020-2021	2021	2019-2020	2020-2021	2019-2020	2020-2021	
Amador	use PFIRS data	0	1498	394	1892	0	10	0	0	10
Antelope Valley	use PFIRS data	0	272	22	294	279	10	0	0	289
Bay Area	use CAPCOA data, it includes PFIRS	0	0	1092	1092	394	44	329	357	1124
Butte	defer to what district says	532	2289	930	3751	115	0	0	0	115
Calaveras	use PFIRS data	1328	1953	1322	4603	0	117	0	0	117
Colusa	use PFIRS data	228	126	590	944	40	20	0	0	60
Eastern Kern	use PFIRS data	46	10	3	59	1150	455	0	0	1605
El Dorado	defer to what they say	2762	7206	1710	11678	579	0	11	0	590
Feather River	defer to what they say	528	1043	557	2128	24	2238	335	0	2597
Glenn	use PFIRS data	73	661	0	734	4	49	0	0	53
Great Basin	use PFIRS data	2318	1910	773	5001	1128	0	4840	0	5968
Imperial	use PFIRS data	0	18	165	183	0	61	0	0	61
Lake	use CAPCOA data	143	266	89	498	20868	3492	240	6	24606
Lassen	use PFIRS data	337	683	502	1522	601	0	0	0	601
Mariposa	use PFIRS data	16	353	455	824	0	0	0	0	0
Mendocino	use PFIRS data	1698	7211	3968	12877	4797	0	0	0	4797
Modoc	use CAPCOA data	0	0	1258	1258	44221	0	3020	0	47241
Mojave	use PFIRS data	0	0	0	0	0	0	0	0	0
Monterey Bay	use CAPCOA data	13163	12917	4077	30157	12376	4942	0	0	17318
North Coast	defer to what district says	0	48	134	182	0	499	15673	15890	32062
Northern Sierra	use CAPCOA data, it includes PFIRS	3567	3169	2762	9498	3950	3018	92	0	7060
Northern Sonoma	use PFIRS data	12	0	1119	1131	0	673	0	0	673
Placer	use PFIRS data	1153	2222	2139	5514	0	0	0	0	0
Sacramento Metro	use PFIRS data	570	443	206	1219	901	589	0	0	1490
San Diego	use PFIRS data	0	1959	3970	5929	25	0	0	97	122
San Joaquin Valley	use CAPCOA data	4573	16174	1922	22669	8509	2359	0	0	10868
San Luis Obispo	use PFIRS data	340	346	0	686	958	1378	219	268	2823
Santa Barbara	use PFIRS data	672	145	736	1553	0	230	0	0	230
Shasta	use PFIRS data	2505	12769	3352	18626	5895	70	662	0	6627
Siskiyou	use PFIRS data	3746	6792	9201	19739	9306	0	18	0	9324
South Coast	use CAPCOA data, it includes PFIRS	39	2576	1355	3970	1358	54	0	0	1412
Tehama	use PFIRS data	2125	2378	1025	5528	2827	281	0	0	3108
Tuolumne	use PFIRS data	1306	7190	4008	12504	299	1754	509	0	2562
Ventura	use PFIRS data	0	21	13	34	0	0	0	0	0
Yolo Solano	use PFIRS data	0	321	78	399	228	0	183	0	411

**Appendix E:**  
Interview Responses from Air Districts

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# Butte County Air Quality Management District

The following is information we have collected and are seeking about Butte County AQMD:

## Notes from our December 2021 call:

1. Burning is allowed and permitted by the district. There are permits for air quality and for prescribed burning.  
\*\*We have 3 different kinds of permits: 1) an “Air Quality Burn Permit” for most types of ag burning; 2) a “Conditional Rice Straw Burn Permit” for rice straw residue burning and; 3) a “Prescribed Burning Permit” for prescribed burns (underburn or broadcast burn or pile burning not including residential pile burns for which not permit is required).\*\*
2. Air Quality Burn Permits are available on your website.
3. Residential burning is allowed but not permitted by the district if less than 1 acre. A prescribed burn permit is needed for a broadcast burn.  
\*\*This is confusing (to me); our agency does not issue burn permits for residential burning with the exception of broadcast or underburning activities (prescribed burning) for which the Prescribed Burning Permit is issued for. Local fire agencies/CAL FIRE require burn permits for residential burning, in some cases year-round, but in the SRA, typically their permit is required only in the springtime.\*\*
4. Residential burning is not tracked.  
\*\*Because residential burn permits (excepting prescribed burns) are not issued by our agency, we have no means of tracking the burns. Prescribed burns, however, are tracked by our agency.\*\*
5. Residential burning is always prohibited in city limits of Chico.  
\*\*This is correct and is per a City of Chico ordinance.\*\*
6. Burn permits from local fire departments required in Paradise, Oroville, Biggs, and Gridley. There are 5 local fire districts in Butte County—4 of those allow burning with permits, and the 5<sup>th</sup> is in Chico which prohibits burning.  
\*\*See above #3 for clarification on burn permit requirements for residential burning. In addition, burn permits for agricultural and prescribed burning are required in both the LRA and SRA/unincorporated areas.\*\*
7. CAL FIRE’s online residential burn permit system is working well for your district’s constituents so far.  
\*\*To clarify, I have not heard any concerns about the online permit system, but because our agency has not been a part of the issuance of residential burn permits in the past, we may not hear about any of the issues (if there are any).\*\*
8. The district has a good working relationship with CAL FIRE; you try to mirror CAL FIRE’s burn permit requirements in your burn rules for residential burning.

9. Burning data we've collected for Butte County AQMD is as follows: See Attachment E

**\*\*I have different totals; using PFIRS, the completed acreage reported total I have is 4566.76 acres 2018-2021. I am aware of 14.5 acres burned in late 2021 (residential prescribed burns) that was not reported in PFIRS (no Smoke Management Plan was required). There are additional acres that weren't reported in PFIRS that are attributed to contractors/businesses that have been doing pile burning of post-wildfire damaged vegetation as well.\*\***

**Additional information being collected:**

Questions about burn rules and CARB regulations/reporting:

1. We have in our notes that your Rule 300 governs burning in your district, with some rules more strict than state law. What are those more strict rules?  
**\*\*Our Rule 300 has drying time requirements, the elapsed time between cutting, felling or uprooting and ignition or burning (applicable for all types of burning) and we have specific requirements for residential burning on lots less than one acre in size such as a prohibition on the burning of poison oak, a limit on the distance the pile may be located from an occupied structure (25 feet or more), and we have limited burning in a geographical area of our county (Magalia) during the months of January through June to only allow burning during half of the month to minimize smoke impacts.\*\***
2. Data from CAPCOA shows that your district denied 5 burns in 2021, all for private industry; 2 for administrative issues, 1 for fire weather, and 2 with no reason listed. What are the most common reasons for denying a burn?  
**\*\*My records show 9 denials, more than the 5 recorded by CAPCOA, but several of those weren't true denials; the entity requesting the burn wasn't able to burn and we "denied" the burn to clear the system. Any true denial to burn would be to proactively protect the public from smoke when the conditions wouldn't allow for adequate ventilation/dispersal of the pollutants. We did have a day, 12/3/21, in which a 20-acre prescribed burn we authorized ended up creating impacts that were verified by District staff and because conditions on 12/4/21 were forecast to be similar, we denied requests to burn in that area (3 different entities wanted to burn, including a residential prescribed burn).\*\***
3. How comfortable is the district in approving burns on CARB no-burn days? Have you ever overridden a CARB no-burn day?  
**\*\*We will contact CARB when the criteria for a no-burn day have not been met – the last year or two, CARB has been more specific as to why a day is no-burn, so there has been less reason to dispute it. There have been situations in which we have issued permits to burn on a no burn day, overriding CARB's no-burn day for very specific circumstances. During fall and winter, there have been days that we have allowed burning above the inversion layer when air monitoring data shows there is good ventilation/good air quality because the smoke generated there is unlikely to significantly add to the issues on the valley floor (where the inversion has trapped pollutants). Also, we forecast residential burn status for**

the following day and on rare occasions, a forecasted burn day ends up being a no burn day by CARB. We do try to avoid forecasting if the conditions are uncertain.\*\*

4. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates?

\*\*If you're referring to the annual report, I'm not sure I have an opinion. We keep daily records of burning to track authorizations and then turn in the data in the format that CARB requests. I would need more information from you to adequately answer this question. If you're referring to the collection of prescribed burn data in PFIRS, I find the current system adequate for burn requests and keeping smoke management plans, etc., but for circumstances such as this request, it reveals its inadequacies; burn denial information should be easy to find, total burn acres should be simple to determine, etc., and it is in need of refinement. I'm sure there are challenges far beyond what I can see in development of a program, though.\*\*

5. How does the district determine tons of emissions per acre for CARB reporting, and does biomass volume or biomass type play a role in that process?

\*\*CARB uses their table to determine the emissions for ag burning, but it's not very accurate because, for example, the burning of 50 acres of piled almond brush from a dormant tree pruning event emits far less pollutants than 50 acres of an orchard removal, roots, stumps, limbs and all, and this is not reported consistently/differently. Further, the reporting of burn acres by our permit holders is questionable – some don't fully understand how much to report, under-report or over-report on purpose, and there is a lack of consistency there, too. The accuracy of reporting in PFIRS is dependent on the person putting together the Smoke Management Plan (SMP), but biomass type of volume is a value that is included in the SMP, so it does play a role in that process.\*\*

# Calaveras County Air Pollution Control District

The following is information we have collected and are seeking about Calaveras County APCD:

## What we know (please confirm):

1. Burning is allowed and permitted by the district. An Air Pollution Control Burning Permit is required for all burns if the burner is a commercial business, or if the property is greater than 5 acres. **Correct.**
2. A Burn Plan must be submitted to the APCO 10 days in advance of a proposed burn. **This is true for agency prescribed burns but not for agricultural and residential pile burning.**
3. Residential burning is allowed, but a permit from the district is only required for properties greater than 5 acres. **Correct.**
4. Burning data we've collected for **Calaveras County** APCD is as follows:

Data Source: PFIRS	Acres Burned
July 2018 – June 2019	1,328
July 2019 – June 2020	1,953
July 2020 – June 2021	1,322
<b>TOTAL acres burned over 3 years</b>	<b>4,603</b>

\*is this data from CAPCOA in addition to PFIRS data, or duplicative of data in PFIRS?

**These data do not appear to be duplicative. I was able to confirm the 2020-2021 acreage reported in PFIRS is 1,322.**

## Information being collected:

### Questions about burn rules and CARB regulations/reporting:

- We have in our notes that your Rules 300-308 govern burning in your district. Does this rule set include any burn day determination criteria that are more stringent than state law? **No.**
- Do any cities or districts have specific ordinances or regulations in place that restrict burning or have other burning requirements? **CAL Fire has additional requirements after May 1st.**
- How comfortable is the district in approving burns on CARB no-burn days? Have you ever overridden a CARB no-burn day? **I have not done this. I am unaware of it having been done in the past.**
- Do burn permit applicants use PFIRS to generate a Smoke Management Plan? Or does the district provide a SMP template? **To my knowledge SMPs are generated in PFIRS.**
- Data from CAPCOA shows that your district denied 2 burns in 2019 – 2021, for Big Tree State Park. What are the most common reasons for denying a burn? **I have no knowledge of this.**
- What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? **I would love some training.**
- If you think PFIRS needs to be improved, what are your suggestions for how to change it? **I haven't used PFIRS enough to have much of an opinion.**

How does your district determine tons of emissions per acre for CARB reporting, or for determining if a Smoke Management Plan is required? Does biomass volume or biomass type play a role in that process? **An SMP is required for all prescribed burns submitted through PFIRS. We rely on the land manager to self report on emissions and review for reasonableness.**

Questions about CAL FIRE:

1. How is your relationship with CAL FIRE? Have you ever overridden a CAL FIRE no burn day? **Calaveras County APCD has a good relationship with CAL Fire. I have not overridden a CAL Fire no burn day.**
2. What is your opinion on CAL FIRE's online residential burn permit system? **It seems awkward to use and is not particularly clear on the role of the APCD.**

Questions about local fire agencies:

1. Do local fire agencies have independent rules or restrictions in place for burning? **I am not aware of any.**
2. Do you ever defer to local fire districts for permitting purposes? **No.**
3. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? Do you know if local fire agencies monitor burn day restrictions from CARB? **I have not coordinated with local fire agencies and I don't know if they monitor CARB burn day restrictions.**

Questions about residential burning:

1. Do you track residential burning? **No.**

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# El Dorado County Air Quality Management District

## Notes from our December 2021 call:

1. Burning is allowed and permitted by the district. A burn permit template is available on website.
2. Applicants use PFIRS to generate Smoke Management Plan.
3. Residential burning is allowed subject to burn day status AND is permitted by the district if a pile is greater than 4' x 4'.
4. Residential burning is always prohibited in city limits of South Lake Tahoe. Cameron Park CSD has a 2 week burn window in the spring and the fall and restrictions on parcel size. Meeks Bay fire department also has some restrictions, but El Dorado does not enforce them. [The District does not enforce any local regulations on burning. We only enforce our burn Rule.](#)
5. The district does not have policies pertaining to burn day designations that are more strict than state law.
6. The district coordinates closely with CAL FIRE relates to burn day designations and permits.
7. Burning data we've collected for El Dorado County AQMD is as follows: [see Attachment E.](#)

[I do not feel that the data from 2020 on is representative of typical burning in El Dorado County. Most of the prescribed burning is conducted by the USFS and they stopped burning once Covid hit. A typical year has been 5-7,000 acres for quite a few years before covid. The PFIRS number listed above is probably significantly higher because there was a bug in PFIRS that was causing burns to be counted multiple times on the reports.](#)

## Additional information being collected:

### Questions about burn rules and CARB regulations/reporting:

1. Data from CAPCOA shows that your district denied 17 burns in 2019 – 2020, for CAL FIRE, Sierra Pacific Industries, and BLM burns, due to fire danger and smoke impacts. Are these the most common reasons for denying a burn? [We rarely deny burns. The most common reason would be a request to burn on a no burn day. That would include a no burn day that was called by CalFire for high fire danger. So, the burns that list fire danger are due to a CalFire call. We do NOT make that determination as that is not in the District's jurisdiction.](#)
2. How comfortable is the district in approving burns on CARB no-burn days? Have you ever overridden a CARB no-burn day? [We frequently issue permits to burn on no burn days. It has been very rare in the last few years, as there have been very few requests to burn on no burn days. In fact, there have been very few no burn days during the burn season.](#)
3. How does your district determine tons of emissions per acre for CARB reporting, or for determining if a Smoke Management Plan is required? Does biomass volume or biomass type play a role in that process? [If the project \(not total acreage of the property\) is greater than 10 acres or the total PM 10 is greater than 1 ton a SMP is required. A majority of our plans are from](#)

USFS and CalFire or other agencies that are very comfortable with calculating their own emissions from biomass. Some of the private landowners need more help calculating and we assist them. We use the emission calculation tables or if they are doing an understory burn, which is rare, I can use the polygon estimate from bluesky. The bluesky estimate takes into account both vegetation type and density.

4. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? It is an evolving process and they have been open to suggestions. El Dorado has worked heavily in PFIRS for over 10 years and it has been a great experience. There has been a lot of collaboration to make it as user friendly and accurate as possible.
5. If you think PFIRS needs to be improved, what are your suggestions for how to change it? There are currently changes in process. I have participated in that process as well and feel that a great updated product will come out of it.

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# Feather River Air Quality Management District

The following is information we have collected and are seeking about Feather River AQMD:

## What we know (please confirm):

1. Burning is allowed and permitted by the district. Three types: 1. Ag (which includes forest management); 2. Non-ag (such as for fire training, disease prevention, or disposal of Russian Thistle); and 3) Residential (permitted if greater than 2 acres).
2. Burns cannot be conducted at night. Not true. Three programs allow burning at night—orchard removal, CAL FIRE SRA residential, and USFS forest management burning per the SMP.
3. Residential burning is allowed but not permitted. Residential burning on land greater than 2 acres must obtain an Agricultural Burn Permit from the district, as per Open Burn Regulation II.
4. There are different Burn Zones across Sutter and Yuba counties that dictate burn days. Yes, Sutter County Burn Zones 5 & 6 are affected by SFONA. Sutter Burn Zone 7, Sutter Buttes burn ban as per local fire agency. Yuba County Burn Zone 4, residential open burning 24 hours and burn ban as per CAL FIRE.
5. Burning data we've collected for Feather River AQMD is as follows: see Attachment E Feather River did not start using PFIRS until 2019. Their data shows a total of 1,317.8 acres for 2018 – 2021. Feather River closely tracks burning and maintains an organized database for data, and other datasets will not be as reliable.

## Information being collected:

### Questions about burn rules and CARB regulations/reporting:

1. Do any cities or districts have specific ordinances or regulations in place that restrict burning or have other burning requirements?  
Several cities in Sutter and Yuba have burn restrictions in place that do not allow burning at all.  
Burning may be allowed if a burn permit has been issued by local fire agency (based on inspection by fire agency).
2. We have in our notes that your Rule 2.0 governs burning in your district. Does this rule set include any burn day determination criteria that are more stringent than state law? Yes – if wind speeds are forecasted to be greater than 15 mph, the district will obtain input from fire agencies on fire safety.  
Per FRAQMD Regulation II, E. Definition, E.8 No-Burn Day

3. Data from CAPCOA shows that your district denied 2 burns in 2019 – 2020, both for Beale Air Force Base. What are the most common reasons for denying a burn permit? [A permit was never denied for Beale, but we have denied burn requests to allow for meteorological conditions and better communication with partner agencies; eventually the burn was conducted after the district obtained a different allocation for the amount of acreage they wanted to burn on the valley floor.](#)
  
4. How comfortable is the district in approving burns on CARB no-burn days? Have you ever overridden a CARB no-burn day? [FRAQMD has full legal authority to authorize burns on CARB no-burn days, per FRAQMD’s Open Burn Regulation II, Section J. Agricultural Burning, subsection J.6.\(b\).](#)  
[There are certain situations when a SMP is in place, burning is in prescription, but CARB calls it a no-burn day. But since Feather River is not just the valley floor and also includes elevation, the district will allow burning in the foothills if it’s in prescription and a SMP is on file and approved. We are very comfortable with authorizing burning in those situations, but unlikely we would do it on the valley floor.](#)
  
5. Do you separate forest burning into the PFIRS database and agricultural burning to the annual CARB report? [The FRAQMD provides annual reports to CARB that include all burning, including that listed in PFIRS. All burning reported by the Burner into PFIRS is reported to CAPCOA.](#)
  
6. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? [No comment. FRAQMD has been reporting to CARB since 2004. Our own database and data management works very well for us. The process is as follows:](#)
  - [The permitted burner will call into the district to report the intended burning to be conducted during established burn hours each day.](#)
  - [The district logs each burn, while doing so:](#)
    - [Verifies valid burn permit](#)
    - [Only permitted acres are burned](#)
    - [Acreage allocation is not exceeded](#)
  - [The district burn database functions well. Staff have developed the “Burn Procedure Manual” which is updated and burn programs evolve.](#)
  - [Staff conduct the reporting obligations and save the data in the data base. This data has several uses to the district and is accessed often.](#)
  
7. Do burn permit applicants use PFIRS to generate a Smoke Management Plan? Or does the district provide a SMP template? [In the past it has been via a paper form provided by the district. Now, the district encourages burners to submit for a SMP via PFIRS. But we recognize some burners don’t have internet capacity, so they get a paper form.](#)

8. If you think PFIRS needs to be improved, what are your suggestions for how to change it? Currently PFIRS is undergoing and large revamping to upgrade the difficult areas that caused problems to both the burner and the air district.

Questions about local fire agencies:

1. Do local fire agencies have independent rules or restrictions in place for burning? Yes
  - Several cities in Sutter and Yuba have burn restrictions placed by local fire agencies.
  - Sutter Burn Zone 7, Sutter Buttes burn ban as per local fire agency,
  - Yuba Co. Burn Zone 4, Residential open burning 24 hours and burn ban as per Cal Fire
2. Do you defer to local fire districts for permitting purposes? In Sutter Burn Zone 7, fire department can issue a burn permit for burning approved by local fire agency, for fire safety.
3. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? Yes!
4. Do you know if local fire agencies monitor burn day restrictions from CARB? The district sends a group email out to all local fire chiefs, battalion chief, sheriff's offices, and dispatches on burn day status.

Questions about CAL FIRE:

1. How is your relationship with CAL FIRE? Have you ever overridden a CAL FIRE no burn day? Good relationship. There has not been a CAL Fire burn day call that the district has disagreed with.
2. What is your opinion on CAL FIRE's online residential burn permit system? It is a good tool for those who have internet service and computer access. However, capable internet in most of Yuba Burn Zone 4 does not exist. There are no local fire stations or community centers that offer access to a computer. Therefore, typically the CAL Fire station will issue a handwritten copy.

# Great Basin Unified Air Pollution Control District

The following is information we have collected and are seeking about Great Basin Unified APCD:

## What we know (please confirm):

1. Burning is allowed but not permitted by the district. [The district just issues SMPs.](#)
2. Residential burning is allowed but not permitted by the district.
3. Burning data we've collected for Great Basin Unified APCD is as follows: [see Attachment E](#)

[District relies on PFIRS for reporting data. All forest burning should be in PFIRS.](#)

## Information being collected:

### Questions about burn rules and CARB regulations/reporting:

1. Do any cities or districts have specific ordinances or regulations in place that restrict burning or have other burning requirements? [The District and Town of Mammoth Lakes have specific regulations regarding wood stove smoke and particulate emissions. For military operations, such as China Lake NAWS, the District has a rule \(Rule 432\) regarding open burn and detonation operations on military bases. China Lake is not under Cal-Fire's jurisdiction so they can "burn" on a Cal-Fire no burn day.](#)
2. Do burn permit applicants use PFIRS to generate a Smoke Management Plan? Or does the district provide a SMP template? [Via PFIRS](#)
3. We have in our notes that Regulations IV governs burning in your district. Does this rule set include any burn day determination criteria that are more stringent than state law? [District follows CARB burn determinations.](#)
4. Does the district ever deny burn permit applications for reasons other than winds/weather? [We have rejected/required resubmittal of SMPs for wrong or incomplete information. For ignition requests we might try to work with the applicant regarding timing/areas if the burn were modeled to cause significant impacts in a community.](#)
5. How comfortable is the district in approving burns on CARB no-burn days? Have you ever overridden a CARB no-burn day? [We have rules and procedures that can override a no burn day when conditions merit. Alternatively, we have worked with CARB in the past to consider upgrading a no-burn day to a marginal burn day.](#)
6. Do you separate forest burning into the PFIRS database and agricultural burning to the annual CARB report?
7. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? [Would like for them to pull straight from PFIRS since we put all data through PFIRS.](#)
8. If you think PFIRS needs to be improved, what are your suggestions for how to change it? [Would like to see PFIRS training continue. We have issues with the numbers for report generating; different report options give different acres burned. We also get a lot of requests from burners who can't edit their SMP application because they lost the login info](#)

or the person retired. Would be great to be able to access those SMPs, and if PFIRS was more organized by area or fire district, or by region, not by applicant.

9. How does your district determine tons of emissions per acre for CARB reporting, or for determining if a Smoke Management Plan is required? Does biomass volume or biomass type play a role in that process? For SMPs, applicants (typically Forest Service or BLM) determine the tons of emissions from burns based on established emission factors based on the fuel type. The biomass volume and type does play a role and is determined by the applicant.

I am not 100% sure where they come from in each case, however, I have seen the following referenced in PFIRS to name a few: PM10 Emission Calc Tables, <http://depts.washington.edu/nwfire/handpiles/index.php>, Table 1, Table 2, Emissions Calculator, etc. In every case I can recall reviewing in PFIRS, the fuel type was listed, and often the fuel type is quite specific.

We do not typically review the PM calculations unless something flags our attention. It seems that there is not much consistency within USFS let alone between USFS and BLM, however, I suspect that most of the calculations are derived from the same source of emission factors if one were to look closely.

#### Questions about local fire agencies:

1. Do local fire agencies have independent rules or restrictions in place for burning? Local fire agencies determine if burning is allowed from a fire safety standpoint, including City of Bishop. We always tell burners to check with local fire department. There are other areas beyond Bishop with local fire agencies that have or have had their own rules. Usually rules fall under Cal-Fire, but local fire departments may also have applicable rules.
2. Do you defer to local fire districts for permitting purposes? Not really. Fire districts issue a burn permit but they don't permit on behalf of the air district. Also of note, we issue a residential burn permit for north Trona area in Inyo County.
3. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? No, we tell burners to always check with the fire district.
4. Do you know if local fire agencies monitor burn day restrictions from CARB? USFS always monitors CARB burn days. There is a dispatch line burners are supposed to call—the Owens Valley Interagency Dispatch—that checks with CARB and fire agency determinations, but we don't maintain the dispatch line.

#### Questions about CAL FIRE:

1. How is your relationship with CAL FIRE? Have you ever overridden a CAL FIRE no burn day? Have not overridden a CAL FIRE no burn day—we never check if it's a CAL FIRE no burn day because that's up to the burner to check. CAL FIRE does do some burning in our district, and they submit SMPs. Our relationship with them as burners is good, but otherwise we don't have a great contact person for their burn day determination.

2. What is your opinion on CAL FIRE's online residential burn permit system? Seems like an efficient way to get a permit. One issue for us is that Alpine County is in our district and there is a lot of burning there, but we get a lot of people living in Alpine San Diego calling us to ask if it's a burn day—would be great to customize info for our district. Some people call us to say they don't understand the new method of doing it online, one fire station in particular is not comfortable with online platform. Additionally, the layout of the permit can be confusing.

Questions about residential burning:

1. Do you track residential burning? No

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# Lake County Air Quality Management District

The following is information we have collected and are seeking about Lake County AQMD:

## What we know (please confirm):

1. Burning is allowed by the district AND is permitted by the district, but permits are picked up at the fire district office. Burning is allowed when CalFire declares an end to fire season, through April 30th. [For larger prescribed burns, only a SMP is needed and the fire district issues the permit—it's a cooperative air and fire district permit. Residential and ag burning do not need permits.](#)
2. Smoke Management Plans are issued via the LCAQMD office.
3. Residential burning is allowed on 1 acre or larger parcels, and is permitted by both the air district and local fire agency; the fire district prefers to issue the permit. [Residential burning is only allowed if greater than 1 acre, but there are residential exemption permits if there is no other feasible way to get rid of material \(there is curb side green waste available for all of Lake County\).](#)
4. Burning data we've collected for Lake County AQMD is as follows: [see Attachment E.](#)

## Information being collected:

### Questions about burn rules and CARB regulations/reporting:

1. Do any cities within your district have specific ordinances or regulations in place that restrict burning, or have other burning requirements? [No burning in city limits of Lakeport, but there are exemptions for specific fire hazard areas.](#)
2. Why are so few burns in your district submitted to PFIRS? [Internet connectivity in Lake County is a challenge, thus difficulties with submitting info to PFIRS. Also, until recently, PFIRS did not include Lake County boundaries. The district requires use of PFIRS if the burn is 200+ acres.](#)
3. We have in our notes that Chapter VIII of your rulebook governs burning in your district. Does this rule set include any burn day determination criteria that are more stringent than state law? [The district provides flexibility on calling a no-burn day.](#)
4. How comfortable is the district in approving burns on CARB no burn days? [There is an exemption process-dependending on location and conditions, the district can allow it; but the fire department must say it's fire safe.](#)
5. Have you ever overridden a CARB no-burn day? [Yes, but the district always calls CARB and tells them to update their burn day status.](#)
6. Do you separate forest burning into the PFIRS database and agricultural burning to the annual CARB report? [The district reports everything to CARB. Annual burn report is a specific report for Lake County, different than CARB's usual report template.](#)
7. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? [See above.](#)

#### Questions about local fire agencies:

1. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? **Yes**
2. Do you know if local fire agencies monitor burn day restrictions from CARB? **The district provides fire agencies with information.**
3. Do you know if fire agencies have independent rules or restrictions in place for burning? **Used to be some fire agencies that had separate fees, but now there is a joint fee that the fire agencies get to keep when they issue the permit.**
4. Do you defer to local fire districts for permitting purposes? **Sort of- permits are a coordinated effort with local fire districts.**

#### Questions about CAL FIRE:

1. How is your relationship with CAL FIRE? Have you ever overridden a CAL FIRE no burn day? **Relationship is good, the CAL FIRE Battalion Chief used to work for the air district. The district has never overridden a CAL FIRE no burn day.**
2. If you think PFIRS needs to be improved, what are your suggestions for how to change it? **Given internet connectivity issues in Lake County, the district recommends PFIRS be set up so that burners can call in via cell phone in case they don't have data service.**
3. What is your opinion on CAL FIRE's online residential burn permit system? **It works well. South Lake County Fire hosts the permitting system on their website. It issues residential and ag burn permits, and it ties in with the CAL FIRE Burn permit. Burners can log in, apply for a permit, it goes through the air district, then to CAL FIRE, then to pay the air district fee, then the burner can print it and they are good to go.**

#### Questions about residential burning:

1. If the fire district prefers to issue the residential burn permit, does your district ever issue residential burn permits? Under what conditions? **No, it is a coordinated effort, see above.**
2. Do you track residential burning? **Only track what has been applied for, not what has been completed. The district knows how many residential burn permits are issued, how big the property is, and what area they are collecting material from.**

# Mendocino County Air Quality Management District

The following is information we have collected and are seeking about Mendocino County AQMD:

## What we know (please confirm):

1. Burning is allowed and permitted by the district. [Mendocino created their own submission portal for applicants to request a burn. Then they take that information and generate a burn request into PFIRS themselves. Our goal is to automate that.](#)
2. Residential burning is allowed AND permitted by the district.
3. No burning is allowed within Ukiah city limits, except for strictly-controlled burning operations.
4. District works to verify burns are completed through CAL FIRE MEU. [District calls CAL FIRE to verify completion of broadcast burns \(but not pile burns\).](#)
5. Burning data: see Attachment E  
[PFIRS could have ag data in it. We put all SMP burns into PFIRS. Burns that aren't part of a SMP program are not in PFIRS. There is likely an overlap on these numbers.](#)

## Information being collected:

### Questions about burn rules and CARB regulations/reporting:

1. We have in our notes that your Regulation 2 governs burning in your district. Does this rule set include any burn day determination criteria that are more stringent than state law? [No. If it's a marginal burn day, they consider it to be a county-wide no burn day. We selectively allow burning on that day—burners need permission from the air district.](#)
2. Do any other cities or municipalities have specific ordinances or regulations in place that restrict burning, or have other burning requirements? [Ukiah, County of Mendocino has its own rules.](#)
3. Do burn permit applicants use PFIRS to generate a Smoke Management Plan? Or does the district provide a SMP template? [Template from district.](#)
4. How comfortable is the district in approving burns on CARB marginal or non-burn days? Have you ever overridden a CARB no-burn day? [See #1.](#)
5. Do you separate forest burning into the PFIRS database and agricultural burning to the annual CARB report? [Large ag burns and all SMPs are entered into PFIRS by the air district, NOT the burner. Anything without a SMP goes into the CARB report. We have a global SMP for the burn season that has close to 50-60 burns/ignitions. So the SMP stored in PFIRS only really has value to air district.](#)

6. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? [No opinion.](#)
7. How does the district determine tons of emissions per acre for CARB reporting, and does biomass volume or biomass type play a role in that process? [We use the spreadsheet they gave us.](#)
8. If you think PFIRS needs to be improved, what are your suggestions for how to change it? [Users need training for the current version, so to track burns more effectively across the state, there should be a simplified version. The SMP in PFIRS was designed to be generic to fit all air districts, so it asks things that not all air districts require resulting in a lot of extra entries that aren't all useful. It's not helping air districts as much as it is helping the state. Another issue – with too much focus on the SMP and who the land manager is, other features like inputting remissions and fuel loads/fuel reduction is getting lost.](#)
9. Data from CAPCOA shows that your district denied 12 burns in 2019 – 2021, however it looks like most were denied due to administrative errors and mostly for burns on private land. Can you confirm this? What are the most common reasons for denying a burn? [Might have to do with the way the district uses PFIRS.](#)

#### Questions about local fire agencies:

1. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? [Yes](#)
2. Do you know if local fire agencies monitor burn day restrictions from CARB? [Yes, many do.](#)
3. Do local fire agencies have independent rules or restrictions in place for burning? [They do their own thing. Brooketrails CSD declare a no burn day before air district does, have more restrictions for pile size.](#)
4. Do you defer to local fire districts for permitting purposes? [For residential burning.](#)

#### Questions about CAL FIRE:

1. How is your relationship with CAL FIRE? Have you ever overridden a CAL FIRE no burn day? [Good relationship, and no.](#)
2. What is your opinion on CAL FIRE's online residential burn permit system? [Does not work for our district.](#)

#### Questions about residential burning:

1. Do you track residential burning? [No. There is a robust residential permit program managed by local fire agencies. Emissions values would be much higher if we included what they issue.](#)

# Monterey Bay Air Resources District

The following is information we have collected and are seeking about Monterey Bay ARD:

## What we know (please confirm):

1. Burning is allowed by the district, and permitted by the district if burns are > 10 acres. Or more than 1 ton of material for prescribed burns. Backyard burns and agricultural burns are permitted as well.
2. Residential burning is allowed from December 1 to April 30, and is permitted by the district. There is both residential and backyard burning in this district. Residential burning is generally for burning non-glossy paper and cardboard in remote areas where there is low population and no garbage service. Backyard burning is the other burning, and the district issues permits unless the local fire agency issues permits—if the fire agency does not issue permits then the district issues permits.
3. Burning data: see Attachment E

## Information being collected:

### Questions about burn rules and CARB regulations/reporting:

1. Do you have your own burn permit template for applicants to submit? Yes. But PFIRS is used as application form for prescribed fire—everything is via PFIRS for anything larger than 10 acres or 1 ton total PM. Backyard burning has an online permit application for backyard burns and ag burns .
2. What is the district's process for requesting a SMP when a burn project triggers CARB regulation Title 17? Is it created via PFIRS or a separate template? Via PFIRS
3. We have in our notes that your Rule 438 governs burning in your district. Does this rule set include any burn day determination criteria that are more stringent than state law? Monterey Bay ARD covers a large geographic area. The normal burn zones don't make sense for our district in terms of the region's meteorology. So the district has coastal and inland zones—it could be a no burn day on the coast but a burn day for inland, for example.
4. How comfortable is the district in approving burns on CARB marginal or non-burn days? We don't declare on marginal days as requested by fire agencies because it confuses people.
5. Have you ever overridden a CARB no-burn day? No. We might override a burn day, and ask them to make it a no burn day. We are a more conservative district.
6. Do you separate forest burning into the PFIRS database and agricultural burning to the annual CARB report? No. Forest burning is ag burning.
7. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? The data is not reliable, it's under reported. Accurate data requires consistent permitting of every single burn. It should be the same form across the state to be used by each local fire agency or air district, or one state agency making sure all

the burning is reported. PFIRS reporting allows for this—the burner reports what they completed—I have a lot more confidence in PFIRS data for our district.

8. Do any cities within your district have specific ordinances or regulations in place that restrict burning, or have other burning requirements? There are too many to track. We just ask people to contact their local fire agency before they burn. Our district has 18 cities and we have a ton of fire districts and they don't even know who's jurisdiction is what. Probably most cities don't allow burning.
9. CAPCOA data shows Monterey AD denied 14 burns in 2019 - 2020--looks like many due to rain and administrative issues. Can you confirm this, and can you tell us more about conditions in which you will deny burn applications? We would deny a permit, like a backyard burn permit, if the property size is less than ½ acre for example. ½ acre is the cutoff, or 1 acre in San Lorenzo Valley.

#### Questions about local fire agencies:

1. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? We don't report to them, there are too many. But they will check with us to see if it's a burn day.
2. Do you know if local fire agencies monitor burn day restrictions from CARB? Some do, we have a phone number they can check.
3. Do you know if fire agencies have independent rules or restrictions in place for burning? Unknown, see above.
4. Do you defer to local fire districts for permitting purposes? Yes, except prescribed burns > 10 acres or produce > 1 ton PM emissions.

#### Questions about CAL FIRE:

1. How is your relationship with CAL FIRE? Have you ever overridden a CAL FIRE no burn day? Our relationship is cooperative. If they ask us to do something, like declare a no burn day, we'll do it. We would not override CAL FIRE. But it can depend since our district encompasses 5,700 square miles. It might be a burn day inland, and we might have a fire agency in Santa Cruz not wanting there to be burning, but way to the south they want to burn because conditions are good. We try to work with CAL FIRE on that. We also have a lot of National Forests that aren't under CAL FIRE authority, and the military bases.
2. If you think PFIRS needs to be improved, what are your suggestions for how to change it? Platform is clunky. We would like to see what the applicants see on their end, and to be able to make changes to their applications instead of having to email them to log in and change things. We can't see what they see, and when applicants ask us for troubleshooting support, we can't help them.
3. What is your opinion on CAL FIRE's online residential burn permit system? Great to have all burning go through one system so we can track burning and emissions better.

Questions about residential burning:

1. CAPCOA notes on your district state that requests for residential burn permits are rare, and that most are processed through the fire district. Why are permit applications rare for residential burning? Residential burn permits are only for very remote areas.
2. Do you track residential burning? We track backyard burns that we issue permits for, but we don't track backyard burn permits issued by other agencies. Residential burning, as opposed to backyard burning, is for disposal of non-glossy paper in remote areas. We don't ordinarily have requests for residential burning.

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# North Coast Unified Air Quality Management District

The following is information we have collected and are seeking about North Coast Unified AQMD:

## What we know (please confirm):

1. Burning is allowed and permitted by the district.
2. Residential burning is allowed AND permitted by the district. Called Standard and Non-Standard burn permits, and are required year round. Standard = one 4ft diameter pile. Non-standard = one 10 ft diameter pile at a time, or for prescribed burns/hazardous fuels reduction.
3. Burning data we've collected for North Coast Unified AQMD is as follows: (See Attachment E for full detail)

Data Source	Acres Burned 2018 - 2021
PFIRS*	371
CAPCOA (from district burn authorization logs)	31,345
CARB reporting (forest burning)	3,563

\*started using PFIRS in 2019,

FROM NORTH COAST: some of their data to CAPCOA had errors, so the true 3 year total is **48,697 acres**

Additional notes – North Coast only recently started using PFIRS. At this time it mostly just represents USFS and CAL FIRE burns, but large commercial timber company's burning will eventually be moved to PFIRS as well. All USFS, industrial timber, and large forest burning is reported to CARB since there isn't much true ag in the district area.

## Information being collected:

### Questions about burn rules and CARB regulations/reporting:

1. We have in our notes that your Rules 201-203 govern burning in your district. Does this rule set include any burn day determination criteria that are more stringent than state law? **No.**
2. Do any cities within your district have specific ordinances or regulations in place that restrict burning, or have other burning requirements? **There are some cities that don't allow burning within city limits (Crescent City, Scotia and Rio Dell). One fire district limits the pile size and you can't**



feed the pile after a certain time (Shelter Cover fire department, no more than 8 feet in diameter and do not feed pile after 4pm).

3. Do burn permit applicants use PFIRS to generate a Smoke Management Plan? Or does the district provide a SMP template? [District provides SMP template.](#)
4. How comfortable is the district in approving burns on CARB no-burn days? [District issues "No Burn Day" permits as appropriate and provides this information to CARB.](#)
5. Have you ever overridden a CARB no-burn day? [No. However, the district has overridden Permissive Burn Days \(Marginal Burn\) by CARB, given local conditions, wildfires or wildfire smoke present, or upon CAL FIRE's request.](#)
6. Do you separate forest burning into the PFIRS database and agricultural burning to the annual CARB report? [No, there is not much true ag burning in North Coast.](#)
7. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? [There is not a set understanding of an accepted definition of what Ag burning is vs forest burning is, etc.](#)
8. If you think PFIRS needs to be improved, what are your suggestions for how to change it? [Our district requires some information for evaluating an application that some PFIRS users don't include. One suggestion would be to have a variety of templates to choose from so everyone knows what information is required. Also challenging that login info can't be shared.](#)
9. How does your district determine tons of emissions per acre for CARB reporting, or for determining if a Smoke Management Plan is required? Does biomass volume or biomass type play a role in that process? [Applicants must submit tonnage estimates in the district's SMP template, based on a tonnage chart provided by the district \(which is adapted from Table 6, USDA Forest Service Air Resources/Fire Management Pacific Southwest Region "Air Quality Conformity Handbook. and EPA document AP-42: "Compilation of Air Pollutant Emission Factors. Volume 1: Stationary Point and Area Resources.](#)

North Coast then submits the tonnage to CARB for reports, and CARB then calculates emissions. I would support the establishment of a baseline source of information for several items related to burning. They include but are not limited to, Weather sources, estimating vegetative fuel information and a process of coordinating burn day determinations and red flag warnings.

#### Questions about local fire agencies:

1. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? **Yes**, work closely with many large local fire agencies and tribes. CAL FIRE Humboldt Del Norte Unit and Six Rivers requested that all notifications of non-standard burning be notified to dispatch. The fire agencies and CAL FIRE rely upon the district issuing burn day designations based on CARB guidance. They know they can request the district to declare a no burn day with basis.
2. Do you know if local fire agencies monitor burn day restrictions from CARB? **Mostly**, air district works closely with larger LRAs.
3. Do you know if fire agencies have independent rules or restrictions in place for burning? Ferndale does their own burn designation. We don't think the fire agencies monitor CARB; PFIRS burn day declarations as they rely upon the air districts burn day determinations/status daily announcements.
4. Do you defer to local fire districts for permitting purposes? **No**.

#### Questions about CAL FIRE:

1. How is your relationship with CAL FIRE? Have you ever overridden a CAL FIRE no burn day? **Great working relationship with one CAL FIRE unit and ok relationship with the other unit in jurisdictions. About once or twice a year, the district will make it a "No Burn Day" upon CAL FIRE's request due to active wildfires they are fighting, or personnel draw down due to fighting fires elsewhere. The District has not overridden a CAL FIRE request. The District has rarely made it a "No Burn Day" when CARB has declared a Burn/Marginal Permissive Burn Day.**
2. If you think PFIRS needs to be improved, what are your suggestions for how to change it? **See attachment – list of suggested changes provided by the district.**
3. What is your opinion on CAL FIRE's online residential burn permit system? **The system does not adequately convey the district burn requirements to applicants, such as that a permit is required from the district to burn and that there is a fee involved.**

The links from CAL FIRE to air districts are inadequate/incorrect. The system only indicates to call the air districts for Burn Day determinations, but does not indicate that an air district permit is required. The system appears to not do any verification checks as bogus or incorrect permits can be issued (false names, property/addresses not owned, etc).

#### Questions about residential burning:

1. Do you track residential burning? District issues yearly 'standard' burn permit. It does not track the amount/type of this burning for inventory.

**Additional commentary from North Coast:** One interesting thing to note is the variances in how the burns authorized are accomplished by the various air districts that can put a different perspective on raw data. For example, for North Coast, we issue about 7,400 burn permits for three counties, review about 250-300 smoke management plans, and issue about 800-1,000 Burn Authorizations. We have quite the mix of burners that comprises the acres burned, but there certainly are some key players (USFS, BLM, CAL FIRE, State Parks, timber harvest, and others) that generate the bulk of burns. I would contrast that with say Monterey, that has quite a few less burners and their key burners might be CAL FIRE (that can accomplish 100s to 1,000s of acres of chaparral-type fuel load burns) but not as many smaller burns (ie they have fewer burners but more key burners); whereas Mendocino is probably between us as they seem to have a smaller to medium mix of burners that accomplish their burned acres (ie they may have a lot of approvals but not a lot of acreage for each one).

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# Northern Sierra Air Quality Management District

The following is information we have collected and are seeking about Northern Sierra AQMD:

## Notes from our January 2022 call:

1. Burning is allowed and permitted by the district (via an Air Pollution Permit).
2. Residential burning is allowed but generally not permitted by the district. Residential burning that involves more than just piles may require a permit, or greater than 1 acre.
3. Residential burning is not tracked.
4. Do any cities or districts have specific ordinances or regulations in place that restrict burning or have other burning requirements? Residential burning is always prohibited in city limits of Nevada City, Grass Valley, Portola, and in Quincy and East Quincy.
  - a. Burning is prohibited in American Valley and Thompson Valley (Quincy area) from November 15 through March 15.
5. Does your rule set contain any burn rules different from state law? District typically defers to CARB or CAL FIRE when determining burn day status. All federal and national holidays are no burn day for NSAQMD, regardless of CARB burn day designation. All marginal burn days declared by CARB are no burn days in this district.
6. Burning data we've collected for Northern Sierra AQMD for July 2018 – June 2021 is as follows: see Attachment E

## Questions about CAL FIRE and local fire agencies:

1. How is your relationship with CAL FIRE? Good, but district wishes they worked more closely with them. CAL FIRE does not burn in this district.
  - a. NSAQMD does have a great working relationship with USFS.
2. Do local fire agencies have independent rules or restrictions in place for burning? unknown.
3. Do you defer to local fire districts for permitting purposes? No.
4. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? Yes
5. Do you know if local fire agencies monitor burn day restrictions from CARB? Unknown.
6. What are your opinions on CAL FIRE's new online residential burn permit system? There are some issues, it doesn't enforce smoke and burning restrictions for local air district.

Continued on next page

**Additional info being collected:**

Questions about burn rules and CARB regulations/reporting:

1. Data from CAPCOA shows that your district denied 1 burn in 2019 – 2021, for administrative reasons with the Beckwourth Ranger District. What are the most common reasons for denying a burn? We don't really "deny" burns specifically. I do not believe that I was involved in the administrative denial with the Beckwourth Ranger District that you are referring to. What we do is enforce the No Burn Day restrictions, with the option of the USFS applying for an exemption. Sometimes they do apply for an exemption and sometimes they do not. It has been my experience that the USFS burn bosses within our Air District are sophisticated and knowledgeable enough to know when and where they should or should not burn. This precludes any intervention on our part. And that is to their credit.
2. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? I am not familiar enough with the process to make a meaningful comment. I am familiar with other program reports for CARB and the question that always comes to my mind is this: why are we doing this report and what is being done with the data? I think training usually has value and consistent reporting templates are certainly not a bad thing.
3. Do burn permit applicants use PFIRS to generate a Smoke Management Plan? Or does the district provide a SMP template? Both. It has been my experience that the permit applicants who use PFIRS generate their SMP from the PFIRS program (but I am a regulator, not a Land Manager, so I do not know what that side of the process looks like). And those permit applicants who choose not to use PFIRS are left with no choice but to use the District SMP template. The template that we use was developed by the USFS and representatives from various Air Districts.
4. If you think PFIRS needs to be improved, what are your suggestions for how to change it? If PFIRS has a problem, then it is with the users and not the program. Like any database if the data isn't entered completely, consistently, and accurately, then the database will be incomplete, and any conclusions drawn from that data will be made on an incomplete data set.
5. How does the district determine tons of emissions per acre for CARB reporting, and does biomass volume or biomass type play a role in that process? The District does not make that determination. When we get lucky the applicant will make those numbers available in their SMP. And although we do not do those calculations, I cannot see how any calculation could be made without considering biomass volumes and species.

# Placer County Air Pollution Control District

The following is information we have collected and are seeking about Placer County APCD:

## **Notes from our December 2021 call:**

### General burn permit info and burn data:

1. Burning is allowed and permitted by the district.
2. Residential burning is allowed without a permit.
3. Residential burning is not tracked.
4. Burning data we've collected for Placer County APCD is as follows: [see Attachment E](#)

### Questions about burn rules and CARB regulations/reporting:

1. Do any cities or districts have specific ordinances or regulations in place that restrict burning or have other burning requirements? [Yes, cities of Rocklin and Roseville have their own fire ordinances—no residential outdoor burning.](#)
2. We have in our notes that your Rule 303 governs burning in your district. [Placer does not have specific regulations in place that restrict burning anywhere, but fire districts do.](#)

### Questions about CAL FIRE and local fire agencies:

1. Do local fire agencies have independent rules or restrictions in place for burning? [Yes, Granite Bay fire district, South Placer Fire Protection District—district works with them to regulate burning.](#)
2. Do you defer to local fire districts for permitting purposes? [No.](#)
3. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? [Yes.](#)
4. Do you know if local fire agencies monitor burn day restrictions from CARB? [Unknown, but district works with LRAs.](#)

# San Joaquin Valley Air Pollution Control District

The following is information we have collected and are seeking about San Joaquin Valley APCD:

## What we know (please confirm):

1. Burning is allowed by the district. Permits are issued by the district for burns less than 10 acres.  
[All open burning and hazard reduction burning requires a permit, regardless of size.](#)
2. Only a Smoke Management Plan is required for burns > 10 acres, via PFIRS.  
[Correct. The approved SMP serves as the burn permit and no additional permit is needed.](#)
3. All broadcast burning of any size requires a SMP.  
[Correct. All broadcast burns require an SMP.](#)
4. Residential burning is allowed, as “hazard reduction burning.” The district issues permits for residential burning.  
[The District issues permits in the State Responsibility Areas \(SRA\) for Hazard Reduction burning. This is burning to reduce fire hazard pursuant to Section 4291 of the California Public Resources Code, for the purpose of maintaining a firebreak of up to 100 feet from buildings or structures. Aside from that, residential open burning is prohibited.](#)
5. The district tracks completed burns as reported by land managers, but does not track residential burning.  
[The District does not require reporting of acreage for land owners conducting burning pursuant to Section 4291 of the California Public Resources Code for the purpose of maintaining a firebreak.](#)
6. Burning data we’ve collected for San Joaquin Valley APCD is as follows: [see Attachment E](#)

## Information being collected:

### Questions about burn rules and CARB regulations/reporting:

1. Do any cities within your district have specific ordinances or regulations in place that restrict burning, or have other burning requirements? [District Rule 4103 applies throughout the San Joaquin Valley, and would be enforceable in city or county jurisdictions with or without local burning ordinances.](#)
2. What is the district’s process for requesting an SMP when a burn project triggers CARB regulation Title 17? Is it created via PFIRS or a separate template?  
[Any Land Management Agency \(LMA\) requesting to conduct a burn for planned resource objectives is directed to the PFIRS website for SMP submittal.](#)
3. We have in our notes that your Rule 4103 governs burning in your district. Does this rule set include any burn day determination criteria that are more stringent than state law?  
[Rule Both Rule 4103 – Open Burning, and Rule 4106 – Prescribed Burning and Hazard Reduction Burning, do not contain burn day determination criteria. The determinations are made by District staff based on several factors including ambient air quality data trends, and](#)

meteorological conditions such as high- or low-pressure systems, wind speed, and inversion layers.

4. How comfortable is the district in calling burns on CARB marginal or non-burn days?  
CARB does not determine burn day status for the SJVAPCD.
5. Have you ever overridden a CARB no-burn day?  
See above.
6. Do you separate forest burning into the PFIRS database and agricultural burning to the annual CARB report?  
Prescribed burning is administered completely through PFIRS and reported quarterly to CAPCOA. Agricultural burning is administered through the District's Smoke Management System and is reported annually to CARB.
7. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates?  
We are working with CARB to address some programming issues to allow Districts to more easily report prescribed burning acres directly through the PFIRS system.
8. How are you estimating total tons burned per acre when reporting burning data to CARB? Is the estimate based on vegetation type or some other basis?  
LMAs provide the total tons of material per acre based on their own determinations for prescribed burning. For agricultural burning reported annually to CARB, the District uses standardized emission factors for each crop type.

#### Questions about local fire agencies:

1. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days?  
CAL FIRE and local fire agencies receive a daily report summarizing approved agricultural burning locations. On no burn days, the report indicates "No allocation given".
2. Do you know if local fire agencies monitor burn day restrictions from CARB?  
See above.
3. Do you know if fire agencies have independent rules or restrictions in place for burning?  
The District is informed when CAL FIRE determines fire season begins and ends. During that time, the agencies coordinate Hazard Reduction Burning declarations for permit holders under Section 4291 of the California Public Resources Code.
4. Do you defer to local fire districts for permitting purposes?  
We utilize local fire districts in the SRA to aid in issuing Hazard Reduction burn permits.

#### Questions about CAL FIRE:

1. How is your relationship with CAL FIRE? Have you ever overridden a CAL FIRE no burn day?  
The District has a strong working relationship and open communication with CAL FIRE to ensure hazard reduction and prescribed burning are conducted compliantly and when conditions are favorable.



2. If you think PFIRS needs to be improved, what are your suggestions for how to change it?  
[We are in ongoing discussions with CARB and CAPCOA to continue to improve PFIRS by fixing bugs and adding enhancements.](#)
3. What is your opinion on CAL FIRE's online residential burn permit system?  
[No opinion at this time.](#)

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# San Diego Air Pollution Control District

The following is information we have collected and are seeking about San Diego APCD:

## What we know (please confirm):

1. Burning is allowed but not permitted by the district. Air district creates the burn permit but defers authority to fire districts. Air district issues the SMP for burns 10 acres or more.
2. Burning data we've collected for San Diego APCD is as follows: see Attachment E

## Information being collected:

### Questions about burn rules and CARB regulations/reporting:

1. Do any cities or districts have specific ordinances or regulations in place that restrict burning or have other burning requirements? Not that they are aware of.
2. We have in our notes that your Regulation IV Rule 101 governs burning in your district. Does this rule set include any burn day determination criteria that are more stringent than state law? District has their own burn day determination criteria. SD APCD's is in Title 17 subchapter 2 article 3, 80230. Not aware if it's more stringent than state law.
3. Data from CAPCOA shows that your district denied 1 burn in 2019 – 2020, for Camp Pendleton. What are the most common reasons for denying a burn? Burn windows. The reason for this one denied burn is because there was a high pressure zone. Ozone exceedance is another reason to say no burn.
4. How comfortable is the district in approving burns on CARB no-burn days? Have you ever overridden a CARB no-burn day? District has their own burn day determination criteria and can make their own burn day decisions, along with South Coast and Bay Area. But Salton Sea air basin is different...if it's a marginal day out there, then it's no burning.
5. Do you separate forest burning into the PFIRS database and agricultural burning to the annual CARB report? No. There is not much agriculture burning in San Diego. Most Rx burns are USFS and CAL FIRE. San Diego's definition of ag burning is different than that of state level, does not include forest (according to Rule 101).
6. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? No opinion.

7. Do burn permit applicants use PFIRS to generate a Smoke Management Plan? Or does the district provide a SMP template? **Everyone uses PFIRS. The goal is 100% PFIRS eventually. Ignition requests online makes it easier.**
8. If you think PFIRS needs to be improved, what are your suggestions for how to change it? **It should keep track of permissive burns and no burn days for every day. Also, PFIRS has 2 ways of generating reports, and those reports don't always give the same information so it can get confusing.**
9. How does the district determine tons of emissions per acre for CARB reporting, and does biomass volume or biomass type play a role in that process?

The fire districts/CalFire determine emissions based on both biomass type and volume. As the land manager creates their smoke management plan in PFIRS, there is a worksheet they can reference to calculate total emissions using an emissions factor. When we receive the plan for approval, we verify their emissions calculations using a similar worksheet. After each burn, the land managers submit a report into PFIRS: I believe only completed acreage burned is included, not total emissions.

The district submits a document each fiscal year to CAPCAO which is then forwarded onto CARB. This document includes info such as SMP name, burn date, location, fuel type, completed acreage burned, etc ...but it does not include total emissions. (Completed acreage seems to be top priority info.)

The few paper permits we receive back from burners (since it is not in our rule or a requirement for them to submit them back to us) include a list of actual biomass burned and volume. Total emissions is calculated using a conversion factor. This list is then compiled and submitted to CARB via our compliance department.

#### Questions about local fire agencies:

1. Do local fire agencies have independent rules or restrictions in place for burning? **They have their own restrictions for fire safety. You must contact your local fire district before you burn.**
2. Do you defer to local fire districts for permitting purposes? **Yes, either to CAL FIRE stations or LRAs, depending on jurisdictions.**
3. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? **Not directly but they check to make sure it's a burn day before they allow burning. The district's website and phone line is updated 5 days a week plus a 3 day decision for weekend.**

4. Do you know if local fire agencies monitor burn day restrictions from CARB? **No, because the district has their own burn decision, which they give to CARB.**

Questions about CAL FIRE:

1. How is your relationship with CAL FIRE? Have you ever overridden a CAL FIRE no burn day? **District does not override CAL FIRE, but makes their own burn day decisions based on rules and air quality, independent of fire agencies.**
2. What is your opinion on CAL FIRE's online residential burn permit system? **No opinion.**

Questions about residential burning:

1. Is residential burning permitted? **No. There are rules. It might not be allowed in San Diego City air basin.**
2. Do you track residential burning? **No.**

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# Shasta County Air Quality Management District

The following is information we have collected and are seeking about Shasta County APCD:

## What we know (please confirm):

1. Burning is allowed and permitted by the district. [The district decides on the spot what kind of permit the burner needs \(is agricultural burning vs prescribed burning\).](#)
  - a. Inspections must be conducted by the air district prior to burning.  
[Inspections are reserved for piles made with heavy equipment or on a case-by-case basis.](#)
2. Residential burning is allowed. Residential burning within city of Redding is restricted to, except for when special permits are obtained through fire department.  
[Residential Open Burning is allowed in all areas of Shasta County. Additional Regulations may apply in certain fire districts/city limits of Redding, Fall River Mills, Cottonwood, and Shasta Lake \(permits required\). November & April not November though April. This is a City of Redding regulation. Residential is generally burning without a permit—our rule set does not define it as 4x4 but that’s what we operate the program as.](#)
3. Burning data we’ve collected for Shasta County APCD is as follows: see Attachment E.  
[Some data is not reported until 6 months later.](#)

## Information being collected:

### Questions about burn rules and CARB regulations/reporting:

1. Does the district ever issue permits for open burning outside of cities and fire districts identified above?  
[Yes, the District issues permits in County areas for fire hazard reduction burning, agricultural burning and land clearing burning.](#)
2. Do burn permit applicants use PFIRS to generate a Smoke Management Plan? Or does the district provide a SMP template?  
[Applicants use PFIRS when over 10 acres.](#)
3. We have in our notes that your Rule 2:6-2:8 governs burning in your district. Does this rule set include any burn day determination criteria that are more stringent than state law?  
[Yes, Rule 2:6.c allows the AQMD to declare no-burn days in addition to those so declared by CARB. But it is rarely used.](#)
4. How comfortable is the district in approving burns on CARB no-burn days? Have you ever overridden a CARB no-burn day? [Yes, we have issued “no-burn day” permits in the past to](#)

government agencies for Rx burns. A CARB supplied form is used and forwarded to CARB upon issuance. We usually go with what CAL FIRE says; if they declare a no burn day but a federally-managed unit desired to proceed with pile burning, then they are responsible because it's federal land—but it's a fire safety issues not an air quality issue in this context.

5. Do you separate forest burning into the PFIRS database and agricultural burning to the annual CARB report? **No.**
6. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? **No opinion.**
7. If you think PFIRS needs to be improved, what are your suggestions for how to change it? **A training video for burners showing them how to report and how to fill out an SMP would be beneficial. Also, PFIRS can be inconsistent with the difference between reporting tons and acres and emissions factors associated with that.**
8. CAPCOA data shows Shasta AD denied 3 burns in 2019 - 2020. Can you confirm this, and can you tell us more about conditions in which you will deny burn applications? **Typically, people will request acres in advance and then that day is a no-burn day. It was a mutual decision not to burn, but other days to burn are always found.**

Questions about local fire agencies:

1. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? **Yes. During times when wildfire conditions are elevated or weather conditions indicate elevated fire risk, daily coordination is made with the CAL Fire on-duty chief regarding burn-day status.**
2. Do you know if local fire agencies monitor burn day restrictions from CARB? **Fire agencies such as USFS, NPS, and BLM may monitor burn status through PFIRS. Most local fire agencies may monitor burn status through District website or phone burn line.**
3. Do local fire agencies have independent rules or restrictions in place for burning? **Yes. Shasta Lake City, Cottonwood, Redding requires a specific burn permit. Redding only allows burning during April and November.**
4. Do you defer to local fire districts for permitting purposes? **Yes, the District refers residents of Shasta Lake City, Cottonwood, and Redding to their local fire dept for a permit.**

# Siskiyou County Air Pollution Control District

The following is information we have collected and are seeking about Siskiyou County APCD:

## What we know (please confirm):

1. Burning is allowed by the district, and is permitting by the district during non-fire season.
  - a. A burn permit application is not available on the district's website.
2. Residential burning is allowed AND permitted by the district, if the pile is larger than 4'x4'
3. Residential burning is prohibited in Lake Shastina and Tulelake. [It is sometimes allowed in Tulelake, it has changed over the years.](#)
4. Cities of Dorris, Etna, Fort Jones, McCloud, Montague, Mt Shasta, and Yreka require burn permits year round.
5. Burning data we've collected for Siskiyou County APCD is as follows: [see Attachment E](#)

## Information being collected:

### Questions about burn rules and CARB regulations/reporting:

1. Do burn permit applicants use PFIRS to generate a Smoke Management Plan? Or does the district provide a SMP template? [We have them do it through PFIRS as much as possible. Some operators and private landowners still use our paper form.](#)
2. We have in our notes that your Rule 7.5 governs burning in your district. Does this rule set include any burn day determination criteria that are more stringent than state law?
3. How comfortable is the district in approving burns on CARB no-burn days? [We never override CARB no burn day, but we might override a CARB burn day or make it a marginal day. More often, CAL FIRE will request a no burn day for fire safety.](#)
4. Have you ever overridden a CARB no-burn day? [We don't like to override a CARB no burn day, but we might issue a variance as allowed by Title 17.](#)
5. Do you separate forest burning into the PFIRS database and agricultural burning to the annual CARB report? [No, there is not much ag burning in our district. Aside from forestry, biggest crops are strawberry plants in Butte and Shasta Valley, and feed for livestock.](#)
6. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? [Any way of streamlining reporting data to provide valuable information would be applauded. Our district is extremely limited in capacity to provide data given low staffing.](#)
7. If you think PFIRS needs to be improved, what are your suggestions for how to change it? [PFIRS has outgrown what is originally needed to do. Would like to see the new platform address user needs to comply with Title 17—we need better emissions estimator and pile size estimator. A lot of users tend to give up. Also the district can't go in and make changes to burners applications.](#)
8. Do you record wildfires or escaped managed fire as 'burning'? [No.](#)

#### Questions about local fire agencies:

1. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? **Yes.** Overall communication is good with local fire districts. It should be noted that a lot of LRAs are almost entirely volunteer run.
2. Do you know if local fire agencies monitor burn day restrictions from CARB? **This is a challenge, as PFIRS shows what the ag burn decision in, and I always ask people to go to county air district site directly to know if it's a burn day. We also have a daily email that goes out to ~40 entities and most of them are federal land managers/fire officials.**
3. Do you know if fire agencies have independent rules or restrictions in place for burning? **No.**
4. Do you defer to local fire districts for permitting purposes? **No.**

#### Questions about CAL FIRE:

1. How is your relationship with CAL FIRE? Have you ever overridden a CAL FIRE no burn day? **We strive to maintain a good working relationship with CAL FIRE. We have a daily message recording, we'll put out daily updates to fire chiefs, and we'll update our web page. But when CAL FIRE says it's a no burn day, we don't put on our website that it's a no burn day in the SRA. We can issue a variance with notification to CAL FIRE if CAL FIRE requested a no burn day; our district has widely varied terrain and climates. There is a CAL FIRE unit for all of Siskiyou.**
2. What is your opinion on CAL FIRE's online residential burn permit system? **People can get an online residential burn permit even if you're in a city or municipality that has its own burn permit requirements. You can still get permits through this portal for areas that aren't SRAs.**

#### Questions about residential burning:

1. Do you track residential burning? **Yes. Can't vouch for accuracy because information is volunteer-based. We don't issue residential burn permits, but the county will for piles greater than 4x4', and this info is input to a MS Access database.**



Questions about CAL FIRE:

1. How is your relationship with CAL FIRE? Have you ever overridden a CAL FIRE no burn day?  
Good Relationship. CalFire declares no burn days when fire danger is elevated. The District does not override this decision on the basis that District has no expertise in determining fire danger (we stay in our lane).

2. What is your opinion on CAL FIRE's online residential burn permit system?

CAL Fires online permit system is an improvement over the old system. It is beneficial in that the same message is delivered to each applicant. Previously, the information imparted on the permittee was inconsistent. Also, it is more convenient for the air districts to be able to refer permit seekers to the website.

Questions about residential burning:

1. Is residential burning ever permitted outside of city limits and fire districts identified above?

Yes, residential burning is allowed in all county areas November 1<sup>st</sup> through April 30. Permit not required.

2. Do you track residential burning?

Yes. We track it in our permitting system by asking the applicant how much they plan to burn before the permit is issued. Documented in either acres or tons of material. Fire hazard reduction burning is permitted so it should be in annual CARB report. Otherwise less than 4x4' we don't track it because we don't issue permits for it.

# South Coast Air Quality Management District

The following is information we have collected and are seeking about South Coast AQMD:

## What we know (please confirm):

1. Burning is allowed by the district. ✓ (Residential burning other than tumbledwoods is prohibited) Issues that are currently being resolved about issuing permits that are prohibited by our rules.
2. Permits are not issued by the air district for prescribed burns, but applicants must receive a Burn Authorization Number by calling the Burn Line the day before the burn. ✓
3. Applicants obtain a SMP through PFIRS. ✓
4. Burning data we've collected for South Coast AQMD is as follows:

Data Source	Acres Burned 2018-2024
PFIRS	3,797
CAPCOA	4,621
CARB reporting (forest burning)	8,043
<b>TOTAL acres burned over 3 years</b>	<b>=16,461</b>

Our records accurately show 7799 acres total for prescribed burning in those 3 years. The 3 data sources overlap and should not be added together.

## Information being collected:

### Questions about burn rules and CARB regulations/reporting:

1. Do any cities or districts have specific ordinances or regulations in place that restrict burning or have other burning requirements? Possible some may, would be more stringent than us
2. We have in our notes that your Rule 444 governs burning in your district. Does this rule set include any burn day determination criteria that are more stringent than state law? Yes
3. Data from CAPCOA shows that your district denied 2 burn permits in 2019 – 2020, one due to an administrative error and one due to weather. Are there other common reasons for denying a burn permit? Requests can be denied due to no burn or marginal days
4. How comfortable is the district in approving burns on CARB no-burn days? Have you ever overridden a CARB no-burn day? We issue our own forecast
5. Do you separate forest burning into the PFIRS database and agricultural burning to the annual CARB report? Yes and we track our own burns separately
6. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? Improve PFIRS tracking and reporting
7. Do burn permit applicants use PFIRS to generate a Smoke Management Plan? Or does the district provide a SMP template? Yes PFIRS is used
8. If you think PFIRS needs to be improved, what are your suggestions for how to change it? This has been discussed extensively with CARB/CAPCOA

### Questions about local fire agencies:

1. Do local fire agencies have independent rules or restrictions in place for burning? Yes
2. Do you defer to local fire districts for permitting purposes? No, but they must also obtain FD permits
3. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? No, we declare air quality burn status, they declare fire safety burn status.
4. Do you know if local fire agencies monitor burn day restrictions from CARB? They monitor our burn day status

Both approvals are needed to burn

Questions about CAL FIRE:

- 1. How is your relationship with CAL FIRE? Have you ever overridden a CAL FIRE no burn day? Good and no
- 2. What is your opinion on CAL FIRE's ✓ online residential burn permit system? (Residential burning other than tumbleweeds is prohibited) issues that are currently being resolved about issuing permits that are prohibited by our rules.

Questions about residential burning:

- 1. Do you allow, permit, or track residential burning? ✓

Only tumbleweeds are permitted with our permit and the fire dept permit. We track all those burns. Other residential burning is prohibited.

Our records accurately show 7799 acres total for prescribed burning in those 3 years. The 3 data sources overlap and should not be added together.



Possible some may, would be more stringent than us

Yes

Requests can be denied due to no burn or marginal days

We issue our own forecast

Yes and we track our own burns separately

Improve PFIRS tracking and reporting

Yes PFIRS is used

This has been discussed extensively with CARB?CAPCOA

Yes

No, but they must also obtain FD permits

No, we declare air quality burn status, they declare fire safety burn status.

They monitor our burn day status

Both approvals are needed to burn

# Tehama County Air Pollution Control District

The following is information we have collected and are seeking Tehama County APCD:

## What we know (please confirm):

1. Burning is allowed and permitted by the district.
2. Residential burning is allowed only on parcels with a dwelling, for vegetation growth. Residential burning does not need to be reported to the district, and the district does not track it.
3. Residential burning is banned in city limits of Red Bluff through their own municipal code.
4. Burning data: see Attachment E

District feels that there should be more burning occurring than what's reported in PFIRS; possible issue of CAL FIRE telling burners not to report pile burns into PFIRS? Without accurate reporting of burning, the apparent air quality impact is reported as less than the actual burning. Accurate reporting could help demonstrate that the county is capable of handling more burning.

CAL FIRE and USFS prescribed fire data collected from agencies directly show 8,400 acres burned in Tehama County for the time period in question.

## Information being collected:

### Questions about burn rules and CARB regulations/reporting:

1. Do any other cities or districts have specific ordinances or regulations in place that restrict burning or have other burning requirements? We have 3 incorporated cities, and 3 fire districts. CAL FIRE issues residential burning permits, but district is unsure of to what extent.
2. We have in our notes that your Regulation 3 governs burning in your district. Does this rule set include any burn day determination criteria that are more stringent than state law? It is not more strict than state law.
3. Data from CAPCOA shows that your district denied 8 burn permits in 2019 – 2020, however it looks like most were denied due to administrative errors. Can you confirm this? What are the most common reasons for denying a burn permit? 3 requests were submitted under incorrect outdated SMP (and later resubmitted), 1 burn request in a different count, and 4 did not occur on dates planned (such as because of pandemic) and district's only way to remove them from the system is to "deny" them.
4. How comfortable is the district in approving burns on CARB no-burn days? Have you ever overridden a CARB no-burn day? District has done it once, for CAL FIRE. They had a big burn scheduled with a lot of resources staged. District is comfortable with approving burns on a

CARB marginal or no-burn day, but it depends on the weather and if they have an idea of where the smoke will go before it's approved.

5. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? [All forest burning is submitted to PFIRS, and all ag burning is submitted to CARB.](#)
6. If you think PFIRS needs to be improved, what are your suggestions for how to change it? [Making it more user friendly would be great. Things are filtered with old programming, spaces or capital letters will mess things up. Issues with the download query tool.](#)
7. Do burn permit applicants use PFIRS to generate a Smoke Management Plan? Or does the district provide a SMP template? [PFIRS, but district is also part of Northeastern Air Alliance that has their own SMP template with helpful information on it, so district will refer people to that template.](#)
8. How does your district determine tons of emissions per acre for CARB reporting, or for determining if a Smoke Management Plan is required? Does biomass volume or biomass type play a role in that process? [We rely on land managers for that information, and the document is provided in PFRIS.](#)

#### Questions about local fire agencies:

1. Do local fire agencies have independent rules or restrictions in place for burning? [City of Red Bluff, Corning, and one small fire district.](#)
2. Do you defer to local fire districts for permitting purposes? [No.](#)
3. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? [Yes.](#)
4. Do you know if local fire agencies monitor burn day restrictions from CARB?

#### Questions about CAL FIRE:

1. How is your relationship with CAL FIRE? Have you ever overridden a CAL FIRE no burn day? [No. Tehama's rules have that stated.](#)
2. What is your opinion on CAL FIRE's online residential burn permit system? [Issues with communication of burn hours.](#)

# Tuolumne County Air Pollution Control District

The following is information we have collected and are seeking about Tuolumne County APCD:

## What we know (please confirm):

1. Burning is allowed and permitted by the district, for burns > 2 acres.
2. Residential burning is allowed but not permitted by the district. [No fees.](#)
3. Burning data we've collected for Tuolumne County APCD is as follows: [see Attachment E.](#)

## Information being collected:

### Questions about burn rules and CARB regulations/reporting:

1. Do any cities or districts have specific ordinances or regulations in place that restrict burning or have other burning requirements? [Sonora \(one incorporated city\) requires burn permits from their fire district.](#)
2. Do burn permit applicants use PFIRS to generate a Smoke Management Plan? Or does the district provide a SMP template? [Hard copies of SMPs are provided to entities that aren't state or federal entities. Generally only state and federal agencies use PFIRS.](#)
3. We have in our notes that your Rules 301-310 governs burning in your district. Does this rule set include any burn day determination criteria that are more stringent than state law? [No.](#)
4. How comfortable is the district in approving burns on CARB no-burn days? Have you ever overridden a CARB no-burn day? [District discourages burning on CARB no-burn days since there are so many CARB approved burn days in a year. District sometimes allows federal land managers to burn on no-burn days. They also allow small acreage ignition of existing prescribed burns on no-burn days \(what does this mean?\). Residential burners are prohibited from burning on no-burn days.](#)
5. Do you separate forest burning into the PFIRS database and agricultural burning to the annual CARB report? [No, forest burning is agricultural burning under Title 17.](#)
6. What is your opinion on how to improve CARB reporting? Would you value training or consistent reporting templates? [Federal agencies have made big strides in utilizing PFIRS for submitting SMPs and other information. Following up with ignition requests and actual burn acres being reported can be an issue. Tuolumne believes the burned acreage that is collected in PFIRS is underreported.](#)
7. If you think PFIRS needs to be improved, what are your suggestions for how to change it? [Increased training opportunities.](#)
8. What are main scenarios for denying a burn permit? [When a violation\(s\) have been documented and we have pulled a person/agency's burn permit for the season or the year. This can be more beneficial and less time consuming than going through the civil penalty](#)

Questions about local fire agencies:

1. Do you coordinate with local fire agencies related to CARB or CAL FIRE no burn days? **Yes, as much as they can. They have a good relationship with the Cal/Tuo CAL FIRE Unit. Cal Fire will also request the Calaveras and Tuolumne Air Districts to declare no burn days based on high fire danger and when meteorological conditions could increase the likelihood of escapes fires. Glad to accommodate them when requested.**
2. Do you know if local fire agencies monitor burn day restrictions from CARB? **Yes they do. Most of the fire agencies either know PFIRS or use the district's 24 hour burn recorder to determine whether it's a burn day.**
3. Do local fire agencies have independent rules or restrictions in place for burning? **Not in Tuolumne County. Local fire agencies tend to be in the SRAs, so they follow CAL FIRE regulations. As far as air pollution regulations and the CA H&SC, all those agencies are subject to local and state air pollution regulations.**
4. Do you defer to local fire districts for permitting purposes? **No. City of Sonora requires burn permits for city's residential burning. There is very little non-residential burning within the city of Sonora, so most burning is usually ditch and road maintenance and some small scale hazard reduction burning classified as non-ag burning.**

Questions about CAL FIRE:

1. How is your relationship with CAL FIRE? Have you ever overridden a CAL FIRE no burn day? **See above.**
2. What is your opinion on CAL FIRE's online residential burn permit system? **No opinion.**

Questions about residential burning:

1. Do you track residential burning? **No**

**Appendix F:**  
Air District Profiles

DRAFT

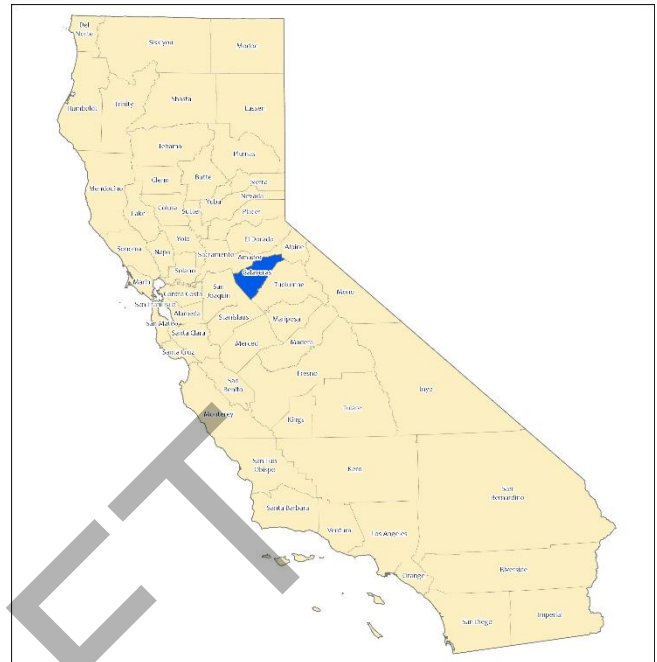




# Calaveras County Air Pollution Control District

## District Demographics

- Sierra Nevada foothills
- Air basins: Mountain Counties
- District office located in: San Andreas
- District encompasses 1,037 square miles
- Total population of district is 46,221
- District is 64.89% forested
- Burn Rules:
  - Rule 302: [Burning Permits](#)
  - Rule 303: [No-Burn Day](#)
  - Rule 304: [Burning Management](#)
  - Rule 305: [Minimum Drying Time](#)
  - Rule 306: [Agricultural Burning](#)
  - Rule 307: [Wildland Vegetation Management Burning](#)
  - Rule 308: [Nonagricultural Burning](#)



## Data Overview:

- From PFIRS
- Total acres burned from July 2018 – June 2021:

2018 - 2019	2019 - 2020	2020 - 2021	Total
1,328	1,953	1,322	<b>4,603</b>

## Interview Outcomes:

- Burning is permitted by the district., for all burns greater than 5 acres.
- Burn plans are required by agency prescribed burns.
- Permits are not issued for residential burning, unless a property is greater than 5 acres.
- District relies on land managers to self-report emissions values
- District has good working relationship with CAL FIRE

# El Dorado County Air Quality Management District

## District Demographics

- Sierra Nevada foothills
- Air basins: Lake Tahoe and Mountain Counties
- District office located in: Placerville
- District encompasses 1,786 square miles
- Total population of district is 190,345
- District is 72.07% forested
- [Link to rules](#)

## Data Overview:

- From PFIRS
- Total acres burned from July 2018 – June 2021:



2018 - 2019	2019 - 2020	2020 - 2021	Total
2,762	7,206	1,710	<b>11,678</b>

*\*note from district: "data from 2020 isn't representative of typical burning in El Dorado County. Most of the prescribed burning is conducted by the USFS and they stopped burning once COVID hit. A typical year has been 5-7,000 acres for quite a few years before covid. Also there was an error in PFIRS that was causing burns to be counted multiple times on the reports."*

## Interview Outcomes:

- Burning is permitted by the district.
- Residential burning is permitted by the district if a pile is greater than 4x4, and is prohibited in South Lake Tahoe.
- District coordinates closely with CAL FIRE over burn day designations and permits
- Comfortable with issuing burn permits on CARB no burn days – but it's rare as there are few requests to burn on no burn days, or there are very few no burn days during the burn season.

# Great Basin Unified Air Pollution Control District

## District Demographics

- Where: Alpine, Mono, and Inyo Counties in eastern California
- Air basin: Great Basin Valleys
- District office located in: Bishop
- District encompasses 14,102 square miles
- Total population of district is 33,484
- District is 13.58% forested
- Link to burn rules
  - [Rule 410 - Forest Management Burning](#)
  - [Rule 411 - Wildland Vegetation Management Burning](#)



## Data Overview:

- From PFIRS
- Total acres burned from July 2018 – June 2021:

2018 - 2019	2019 - 2020	2020 - 2021	Total
2,318	1,910	773	5,001

## Interview Outcomes:

- Burning is allowed, but district only issues SMPs for burning.
- Residential burning is allowed and not permitted by the district, except for in north Trona area.
- District relies on PFIRS for data collection
- District has its own rule for open burning and detonation on the China Lake military base. China Lake is not under CAL FIRE's jurisdiction so they can burn on a CAL FIRE no burn day.
- District follows CARB burn determinations, but they override a CARB no burn day when conditions merit. In the past, they have worked with CARB to consider upgrading a no-burn day to a marginal burn day.
- Burns are typically denied due to wrong or incomplete information on the SMP.
- There is a dispatch line with CARB and fire agency determinations, but air district does not maintain it (*who does??*)
- Does not closely track CAL FIRE burn decisions, but tells burner to always check with fire districts first.
- Relationship with CAL FIRE is overall good as they are a burner in this district, but there is not a good contact person from CAL FIRE for burn day determinations.

# Lake County Air Quality Management District



## District Demographics

- Located in northwestern California
- Air basin: Lake County
- District office located Lakeport
- District encompasses 1,329 square miles
- Total population of district is 54,276
- District is 45.10% forested
- [Link to rules](#) – see Section 436/page 37

## Data Overview:

- Until recently, PFIRS program did not include Lake County boundaries, so past PFIRS data is not representative of burning in Lake County.
- Thus, data below is from CAPCOA.
- Total acres burned from July 2018 – June 2021\*:

2018 - 2019	2019 - 2020	2020 - 2021	Total
No data	21,108	3,500	<b>24,608</b>

## Interview Outcomes:

- Burn permits are a cooperative air and fire district permit, issued by the fire district. Applicants only need to submit a Smoke Management Plan to air district.
- District requires use of PFIRS if a burn is greater than 200 acres.
- Residential burning is only allowed is greater than 1 acre, but there are residential exemption permits if there is no alternative to material disposal (there is curb side green waste disposal available for all of Lake County).
- Burning is not allowed in city limits of Lakeport.
- Internet connectivity in Lake County is a challenge, thus difficulties with submitting info to PFIRS.
- District has an exemption process allowing them to approve burns on CARB no burn days, depending on location and conditions and if the fire department says it's safe.
- District reports all burning to CARB, as they have their own specific annual burn report that's different from CARB's usual report template.

# Mendocino County Air Pollution Control District

## District Demographics

- California North Coast
- Air basin: North Coast
- District office located in Ukiah
- District encompasses 3,878 square miles
- Total population of district is 87,110
- District is 79.32% forested
- [Link to burn rules](#)



## Data Overview:

- From PFIRS – but only burns with SMP are in PFIRS
- Total acres burned from July 2018 – June 2021:

2018 - 2019	2019 - 2020	2020 - 2021	Total
1,698	7,211	3,968	<b>12,877</b>

## Interview Outcomes:

- All burning is permitted, but permits can be issued by fire districts or various other local districts
- Permits are issued for residential burning, can be issued by local districts
- Has created their own submission portal for applicants to request a burn, so the district can take that information and generate a burn request into PFIRS themselves. The goal is to automate it.
  - Large agricultural burns and all SMPs are entered into PFIRS by the district, NOT the burner. Anything without a SMP goes into the CARB report
  - District has a global SMP for the burn season.
- No burning is allowed within Ukiah city limits, except for strictly-controlled burning operations.
- District verifies completion of broadcast burns by calling CAL FIRE.
- On marginal burn days, burners need permission from the air district.
- Coordinates well with local fire agencies.

# Modoc County Air Pollution Control District

## District Demographics

- Located in far northeastern California
- County seat is Alturas, where APCD office is located
- Air basin: Northeast Plateau
- District encompasses 4,203 square miles
- County’s population is 8,853
- District is 36.18% forested
- [Link to rules](#)



## Data Overview

- Started using PFIRS in July 2020, so CAPCOA data is used instead of PFIRS prior to 2020.
- Once had a very large prescribed burn, roughly 20,000 acres.
- Total acres burned from July 2018 – June 2021:

2018 - 2019	2019 - 2020	2020 - 2021	Total
No data	47,241*	1,258**	<b>48,499</b>

\*from CAPCOA  
 \*\*from PFIRS

## Interview Outcomes:

- Does not require a burn permit, just a Smoke Management Plan if triggered.
- District is overall struggling with staffing challenges and limited capacity to track burning—unknown who is updating or calling burn days.
- CAL FIRE handles backyard permits (residential burning) in Modoc County
- Rule 5.5 e: APCO may allow, by special permit, agricultural burning on a no-burn day, if denial of such permit would threaten imminent and substantial economic loss.
- Between January 1 and May 31, range improvement burning may be conducted by permit on a No Burn Day, provided that more than 50% of the land has been brush treated.
- Rule 5:7, II, a – unless good silvicultural practice dictates otherwise, material shall not be burned until it has been windrowed or piled when possible.



# Monterey Bay Air Resources District

## District Demographics

- Located along Central Coast
- Includes counties of Monterey, San Benito, and Santa Cruz
- Air basin: North Central Coast
- District office located in Monterey
- District encompasses 5,700 square miles
- Total population of district is 767,694
- District is 28.88% forested
- [Link to rules](#)



## Data Overview:

- Used PFIRS data for 2018, and CAPCOA data for 2019 – 2021
  - Burning at the former Ft. Ord military base does not end up in PFIRS, thus use of CAPCOA data
- Total acres burned from July 2018 – June 2021\*:

2018 - 2019	2019 - 2020	2020 - 2021	Total
13,163	21,604	6,675	41,442

- A large district with a big population base, 18 incorporated cities, and many local fire agencies spread throughout.
- Burning is permitted by the district Smoke Management Program if burn is greater than 10 acres.
- Backyard burning and agricultural burns less than 10 acres are permitted by the district, unless the local fire agency already issues permits. There is also a residential burn permit for burning of non-glossy paper and cardboard in remote areas without garbage service.
- PFIRS is used as application for any prescribed burns larger than 10 acres.
- Given region’s varying meteorology, the district has 3 burn zones: coastal, inland and the San Lorenzo Valley. It could be a burn day on one and not the others.
- District avoids approving burns on CARB marginal burn days to avoid confusion among the public and does not override CARB no burn days.
- District does not track all cities specific burning regulations because there are 18 cities within the district– they ask burners to contact local fire agency before burning.
- Burns are prohibited if property size is less than ½ acre and less than 1 acre in the San Lorenzo Valley Smoke Sensitive Area.



# North Coast Unified Air Quality Management District

## District Demographics

- Located along North Coast in northwestern California
- Includes counties of Humboldt, Del Norte, and Trinity
- Air basin: North Coast
- District office located in Eureka (Humboldt County seat)
- District encompasses 8,490 square miles
- Total population of 3 counties in district is 176,334
- District is 83.56% forested
- [Link to rules](#)



## Data Overview:

- Started using PFIRS in 2019, and not all burning is captured in PFIRS according to the district, so the district provided its own data from their burn authorization logs.
- Total acres burned\* from July 2018 – June 2021:

2018 – 2019	2019 – 2020	2020 – 2021	Total
15,571	15,024	18,102	48,697

## Interview Outcomes:

- Burning is permitted by the district.
- Residential burning is also permitted by the district, via standard and non-standard burn permits. Standard burn permits are for one 4 ft diameter pile. Non-standard burn permits are for one 10 ft diameter pile, or for prescribed burns and hazardous fuels reduction.
- District reports ALL forest burning to CARB since there is not much true agricultural land in district area.
- Crescent City, Scotia, and Rio Dell don’t allow burning within city limits.
- District does not override CARB No Burn Days, but is comfortable overriding CARB Marginal Burn Days given local conditions, wildfire smoke impacts, or upon CAL FIRE’s request.
- District coordinates closely with local fire agencies and tribes for burn day designations.
- Currently, most data in PFIRS represents USFS and CAL FIRE burns. Burning on commercial timberland will eventually be moved to PFIRS.

# Northern Sierra Air Quality Management District

## District Demographics

- Sierra Nevada – Nevada, Plumas, and Sierra Counties
- Air basin: Mountain Counties
- District office located in: Grass Valley
- District encompasses 7,823 square miles
- Total population of district = 120,759
- District is 75.63% forested
- [Link to rules](#)



## Data Overview:

- 2019 – 2021 from CAPCOA, which includes PFIRS
- 2018 directly from PFIRS
- Total acres burned from July 2018 – June 2021:

2018 - 2019	2019 - 2020	2020 - 2021	Total
3,567	4,042	3,018	<b>10,627</b>

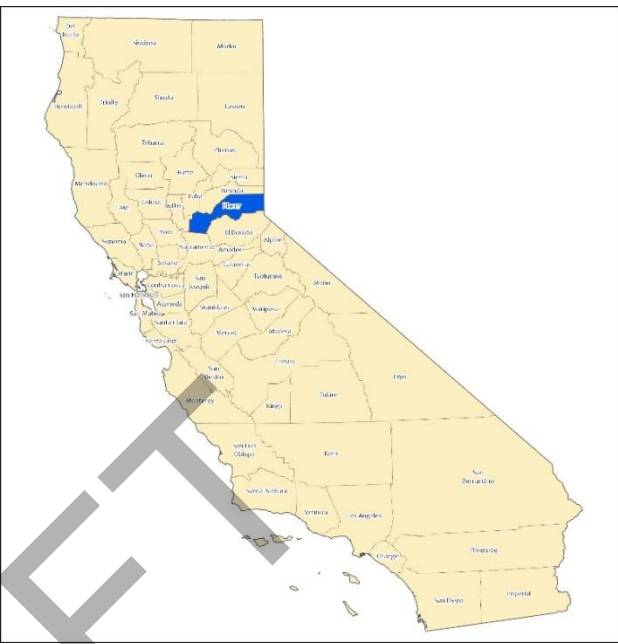
## Interview Outcomes:

- Burning is permitted by the district.
- Residential burning is usually not permitted, but is always prohibited in Nevada City, Grass Valley, Portola, Quincy, and East Quincy.
- District typically defers to CARB or CAL FIRE when determining burn day status. All federal and national holidays are no burn days, regardless of CARB burn day status.
- All marginal burn days declared by CARB are no burn days in this district.
- Works very well with US Forest Service on coordinating large burns.

# Placer County Air Pollution Control District

## District Demographics

- Where: spans from greater Sacramento Valley across Sierra Nevada to Nevada state border
- Air basins: Mountain Counties, Lake Tahoe, Sacramento Valley
- District office located in: Auburn
- District encompasses 1,502 square miles
- Total population of district is 391,799
- District is 61.97% forested
- [Link to burn rules](#) – see Regulation 3



## Data Overview:

- From PFIRS
- Total acres burned from July 2018 – June 2021:

2018 - 2019	2019 - 2020	2020 - 2021	Total
1,153	2,222	2,139	5,514

## Interview Outcomes:

- Burning is allowed and permitted by the district.
- Residential burning is not permitted by the district (some cities have their own burn restrictions or burn requirements)
- District works closely with LRAs to coordinate burn decisions.

# San Diego County Air Pollution Control District

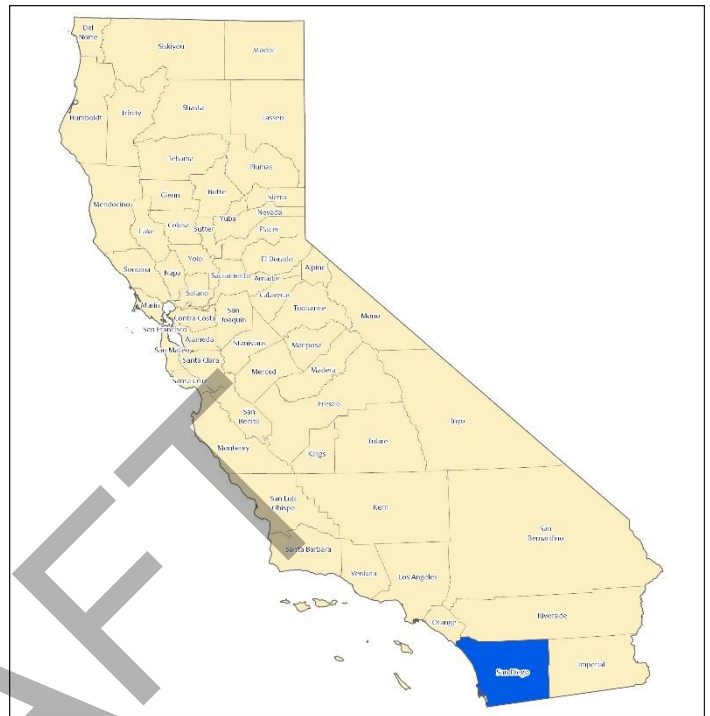
## District Demographics

- Where: southernmost county on California coast
- Air basin: San Diego
- District office located in: San Diego
- District encompasses 4,261 square miles
- Total population of district is 3.324 million
- District is 8.91% forested
- [Link to rules](#)

## Data Overview:

- From PFIRS – started using PFIRS in 2020.
- Total acres burned from July 2018 – June 2021:

2018 - 2019	2019 - 2020	2020 - 2021	Total
No data	1,959	3,970	5,929



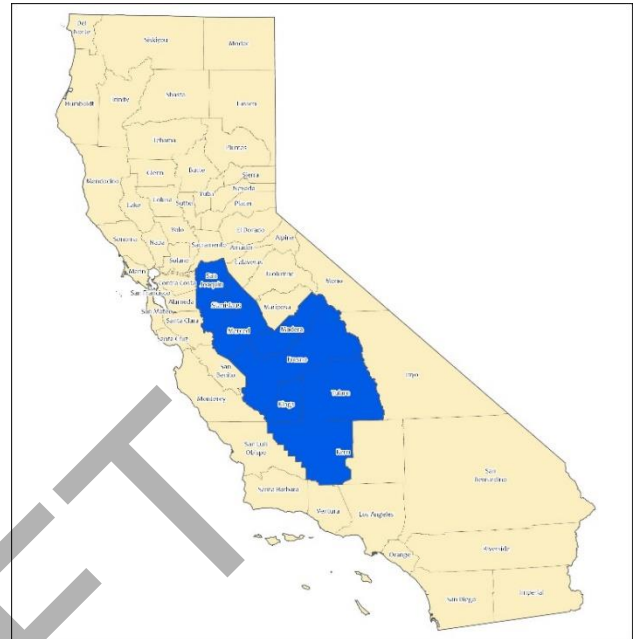
## Interview Outcomes:

- District creates burn permit, but defers permitting authority to fire districts. Air district does manage SMPs for burns greater than 10 acres.
- District has their own burn day determination criteria
- Salton Sea air basin is different—if it's a marginal day out there, then no burning allowed.
- Most prescribed burns are done by US Forest Service and CAL FIRE.
- San Diego's definition of agricultural burning is different than at the state level, as it does not include forest burning (according to Rule 101). Thus, very little ag burning occurs in this district.
- Heavily relies on PFIRS – goal is for 100% PFIRS use eventually.
- Residential burning not permitted.

# San Joaquin Valley Air Pollution Control District

## District Demographics

- Located in San Joaquin Valley of California.
- Includes counties of San Joaquin, Stanislaus, Merced, Madera, Fresno, Tulare and Kings County. Includes part of Kern County.
- Air basin: San Joaquin Valley
- District office located in Fresno
- District encompasses 25,000 square miles
- Total population of district is 4.2million
- District is 23.10% forested
- [Link to rules](#)



## Data Overview:

- Data is from CAPCOA and includes data from PFIRS
- Total acres burned from July 2018 – June 2021:

2018 - 2019	2019 - 2020	2020 - 2021	Total
4,573	13,239	3,697	<b>21,509</b>

## Interview Outcomes:

- Overall a high-capacity district covering the largest air basin in California, with a long history of air quality challenges.
- Large population base (4.2 million).
- District makes its own burn day determinations based on ambient air quality data trends and meteorological conditions. Therefore, CARB does not determine burn day status for SJVAPCD.
- All open burning and hazard reduction burning requires a permit, regardless of size. Only a Smoke Management Plan is needed if greater than 10 acres, and all broadcast burns of any size require a SMP.
- The District issues permits in the State Responsibility Areas (SRA) for residential Hazard Reduction burning; otherwise residential open burning is prohibited. Local fire districts aid in issuing these permits.
- District issues a daily report to CAL FIRE and local fire agencies summarizing approved agricultural burning locations.

# Shasta County Air Pollution Control District

## District Demographics

- Where: northern Sacramento Valley and into Southern Cascade range
- Air basin: Sacramento Valley
- District office located in Redding
- District encompasses 3,847 square miles
- Total population of district is 179,267
- District is 73.44% forested
- Link to burn rules:
  - [Rule 2:6 - Open Burning General Provisions](#)
  - [Rule 2:7 - Conditions for Open Burning](#)
  - [Rule 2:8 - Agricultural Burning](#) (includes forest management)



## Data Overview:

- From PFIRS
- Total acres burned from July 2018 – June 2021:

2018 - 2019	2019 - 2020	2020 - 2021	Total
2,505	12,769	3,352	<b>18,626</b>

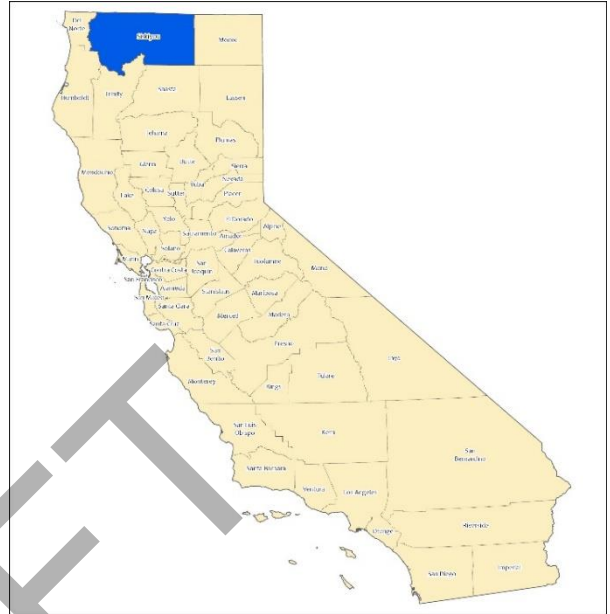
## Interview Outcomes:

- District permits burns, but decides on the spot the type of permit needed by the burner.
- District inspects burn piles prior to burning, for machine piles or on case-by-case basis.
- Residential burning is allowed in all areas of Shasta County; restrictions exist in certain cities/fire districts. No permit from the district is required for residential burning.
- Have issued permits on CARB no burn days in the past to government agencies for prescribed burning. Usually, the district will go with CAL FIRE burn decision. If CAL FIRE declares a no burn day and a federally-managed unit desires to proceed with pile burning, then that unit is responsible because it's federal land; this is a fire safety issue and not an air quality issue, however.
- If a burn is denied Burns are typically denied if the burn falls on a no-burn day, but other burn days are always found.
- District coordinates with CAL FIRE daily regarding burn say status, especially during periods with elevated fire risk.

# Siskiyou County Air Pollution Control District

## District Demographics

- Far northern California
- Air basin: Northeast Plateau
- District office located in: Yreka
- District encompasses 6,347 square miles
- Total population of district is 43,516
- District is 69.18% forested
- Link to rules:
  - [Rule 7.2: Ag Burning](#)
  - [Rule 7.5-3: Wildland Vegetation Management Burns](#)
  - [Rule 7.6: Burn Permits](#)



## Data Overview:

- From PFIRS
- Total acres burned from July 2018 – June 2021:

2018 - 2019	2019 - 2020	2020 - 2021	Total
3,746	6,792	9,201	<b>19,739</b>

## Interview Outcomes:

- Limited staff and limited resources to focus on data tracking
- Burning is permitted by the district. Residential burning is also permitted by the district, but some cities prohibit residential burning (Lake Shastina, sometime Tulelake).
- District prefers to not override a CARB no burn day but might issue a variance as allowed by Title 17. Will override a CARB burn day or make it a marginal day. More often, CAL FIRE requests a no burn day for fire safety.
- Little agricultural land relative to forest land in this district, so limited ag burning occurs
- Issues a daily email to federal land managers, fire officials, and fire districts on burn status and burn conditions.

# South Coast Air Quality Management District

## District Demographics

- Where: southern California, includes portions of Los Angeles, Riverside and San Bernardino counties and all of Orange County
- Air basins: South Coast, Salton Sea, Mojave
- District office located in: Diamond Bar
- District encompasses 10,743 square miles
- Total population of district is 15 million
- District is 8.78% forested
- [Link to burn rules](#)



## Data Overview:

- Data is directly from district, but not broken down by year.
- Total acres burned from July 2018 – June 2021:

2018 - 2019	2019 - 2020	2020 - 2021	Total
Not provided	Not provided	Not provided	<b>7,799</b>

## Interview Outcomes:

- Air district does not issue permits for prescribed burns, but applicants must receive a Burn Authorization Number from the air district by calling the Burn Line the day before burning.
- Issues their own forecast for burn day determinations
- Local fire agencies monitor the air districts burn day status
- Residential burning is not allowed except for tumbleweed burning
  - Tumbleweed burning is permitted by air district and fire district. Air district tracks tumbleweed burns.



# Tehama County Air Pollution Control District

## District Demographics

- In Northern Sacramento Valley, runs from Coast Range to Sierra Nevada
- Air basin: Sacramento Valley
- District office located in: Red Bluff
- District encompasses 3,000 square miles
- Total population of district is 64,176
- District is 53.86% forested
- [Link to rules](#)



## Data Overview:

- From PFIRS – started using PFIRS in 2020.
- Total acres burned from July 2018 – June 2021:

2018 - 2019	2019 - 2020	2020 - 2021	Total
2,125	2,378	1,025	5,528

## Interview Outcomes:

- Burning is permitted by the district.
- Residential burning is allow on parcels with a dwelling for vegetation growth – is not permitted.
- Shows 8 denied burns from 2019 – 2021, but due to administrative errors. Only way to remove a permit with errors from this system is to “deny” it.
- District is comfortable approving burns on CARB marginal or no burn days, but depends on weather and smoke impacts.
- District has approved a burn on a CARB no burn day once, for CAL FIRE. They had a large burn scheduled with a lot of resources.
- District suspects that not all burners are reporting piles into PFIRS, and that there is more burning occurring than what’s reported in PFIRS. Accurate reporting is important as it can help demonstrate that the county is capable of handling more burning, and to adequately represent the perceived air quality impact.
- **Talk about cal fire notice saying not to report pile burns to PFIRS?**

# Tuolumne County Air Pollution Control District

## District Demographics

- Central Sierra Nevada
- Air basin: Mountain Counties
- District office located in Sonora
- District encompasses 2,274 square miles
- Total population of district is 55,810
- District is 67.79% forested
- [Link to burn rules](#)

## Data Overview:

- From PFIRS, but district acknowledges that burned acres collected in PFIRS is underreported.
- Total acres burned from July 2018 – June 2021:

2018 - 2019	2019 - 2020	2020 - 2021	Total
1,306	7,190	4,008	<b>12,504</b>



## Interview Outcomes:

- All burning greater than 2 acres is permitted by the district.
- PFIRS mostly used by state and federal agencies; private burners submit hard copies of SMP
- The district discourages burning on CARB no-burn days, but will sometimes allow federal land managers to burn on no-burn days.
  - Residential burners are prohibited from burning on no-burn days.
- Coordinates well with CAL FIRE and local fire districts.
- City of Sonora requires burn permits for residential burning.