

GRIC Air Monitoring Network Review



Leroy Williams
GRIC DEQ Air Quality Program
July 14, 2014

GRIC DEQ Air Quality Program



- ▶ Permitting
- ▶ Compliance & Enforcement
- ▶ Ambient Air Monitoring

GRIC Air Monitoring Network

▶ Sacaton Site

- PM10
- Ozone

▶ Casa Blanca Site

- PM10

▶ St. Johns Site

- PM10
- Ozone

▶ Approved Quality Assurance Project Plan

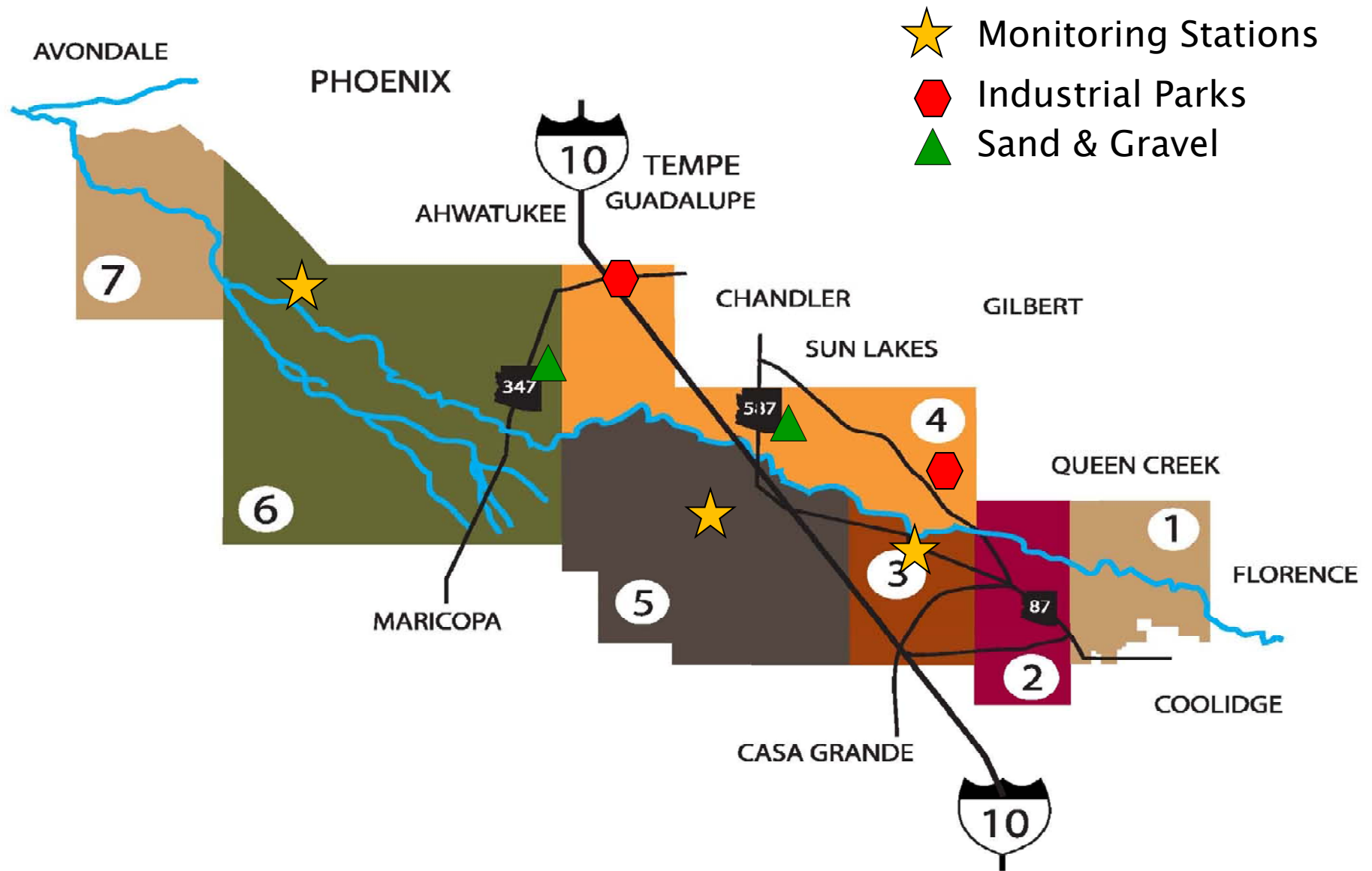
▶ Started monitoring July 2002

Weather station at all sites

- Wind direction
- Wind speed
- Ambient Temperature
- Relative Humidity
- Ambient Pressure
- Precipitation



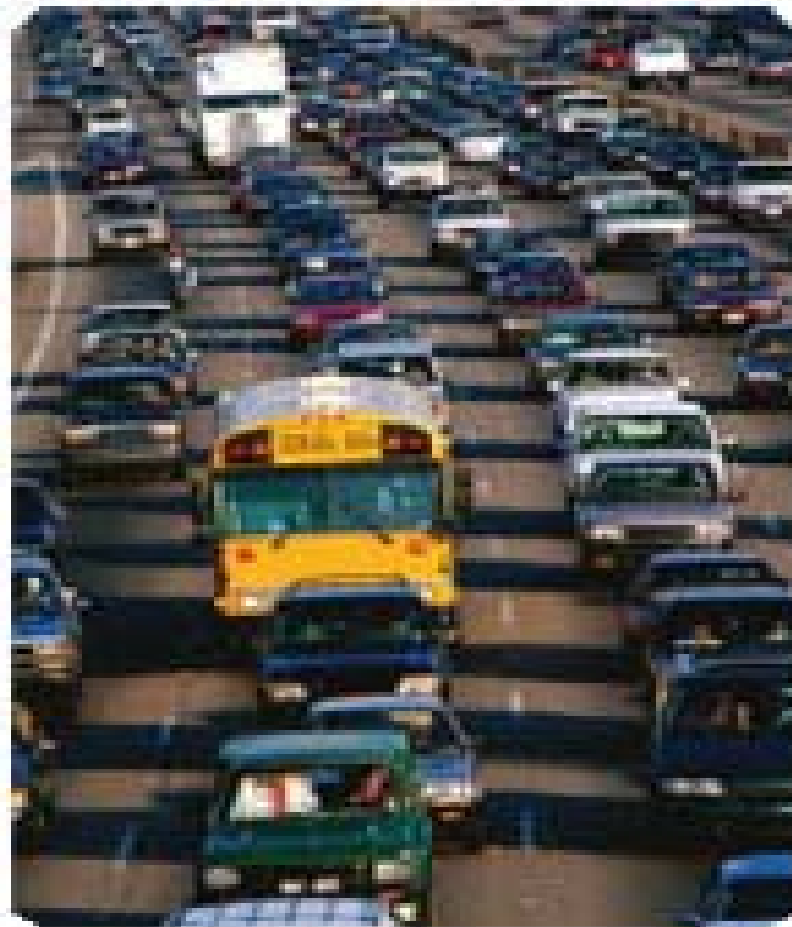
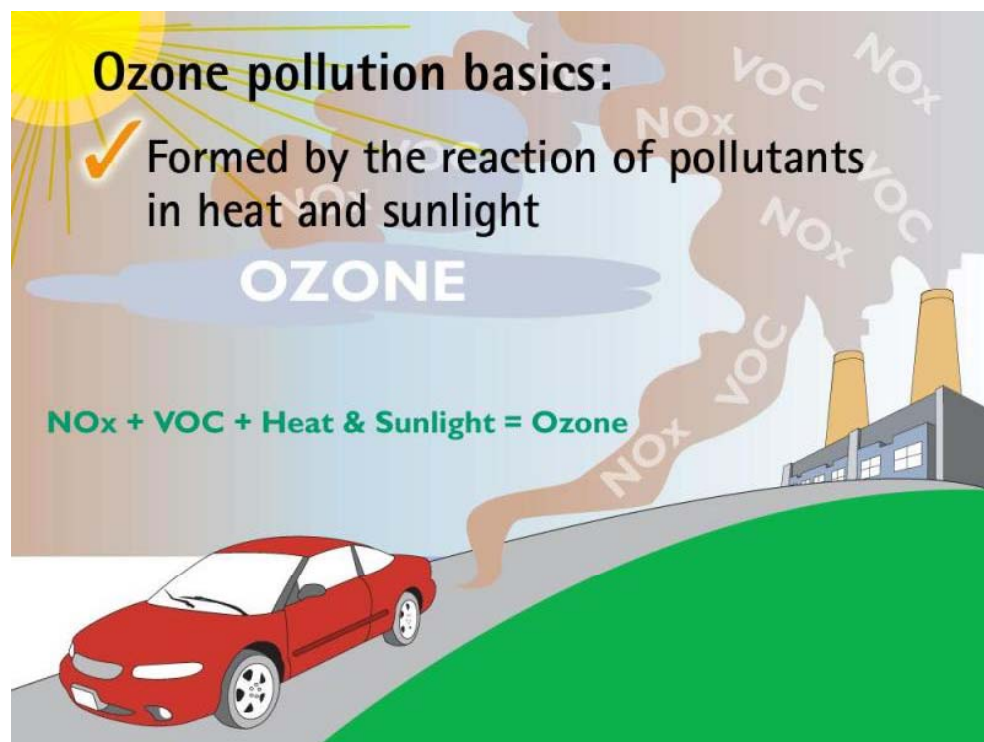
Gila River Indian Community



OZONE

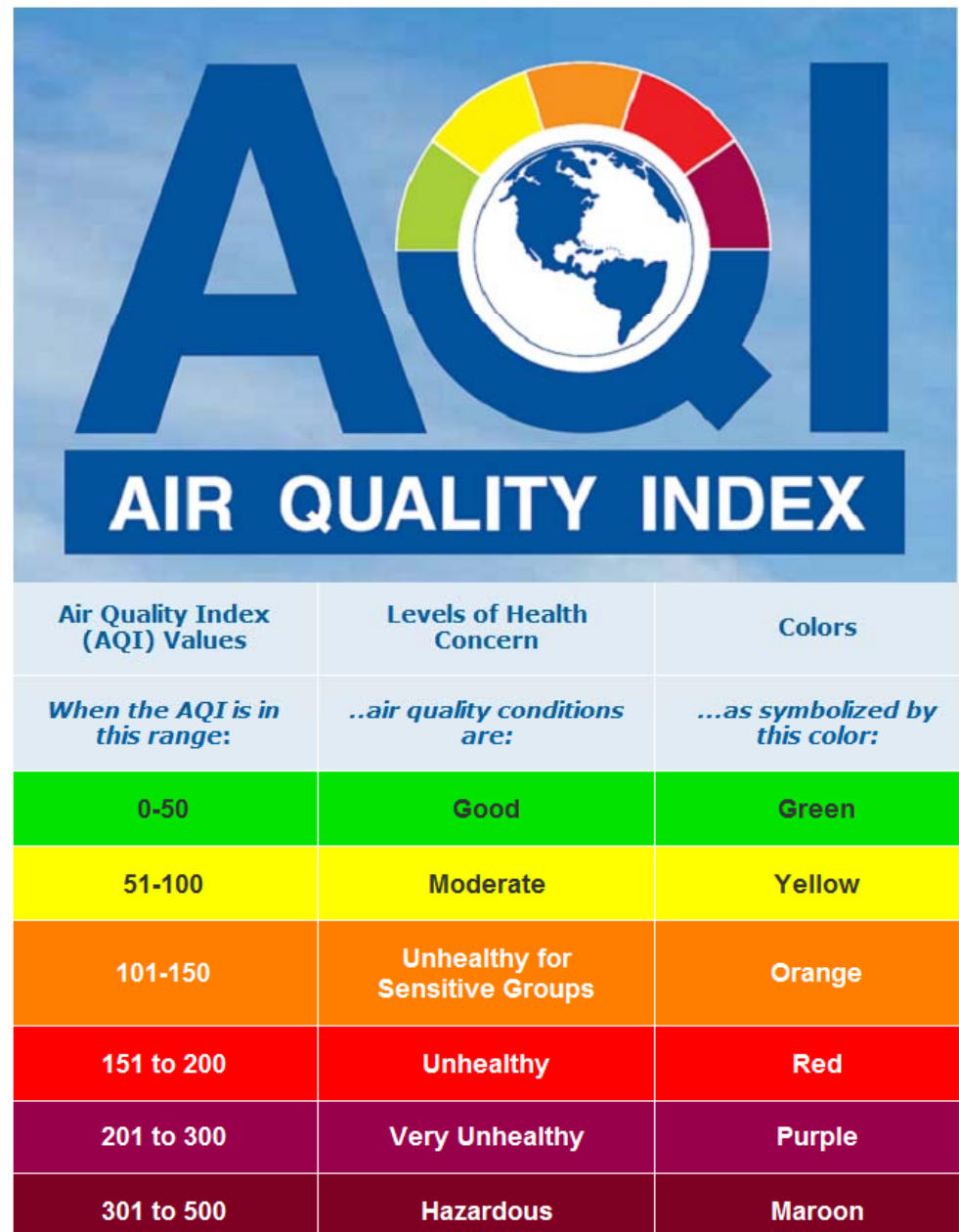
Ozone Monitoring Season starts April to October

“Ozone Pollution”



“SMOG”

GRIC Air Monitoring Data Report



GRIC 2013 Ozone Data

Sacaton Site

Apr	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
May	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jun	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Jul	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aug	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Sep	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Oct	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

St. Johns Site

Apr	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
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Particulate Matter (Dust) “PM10”

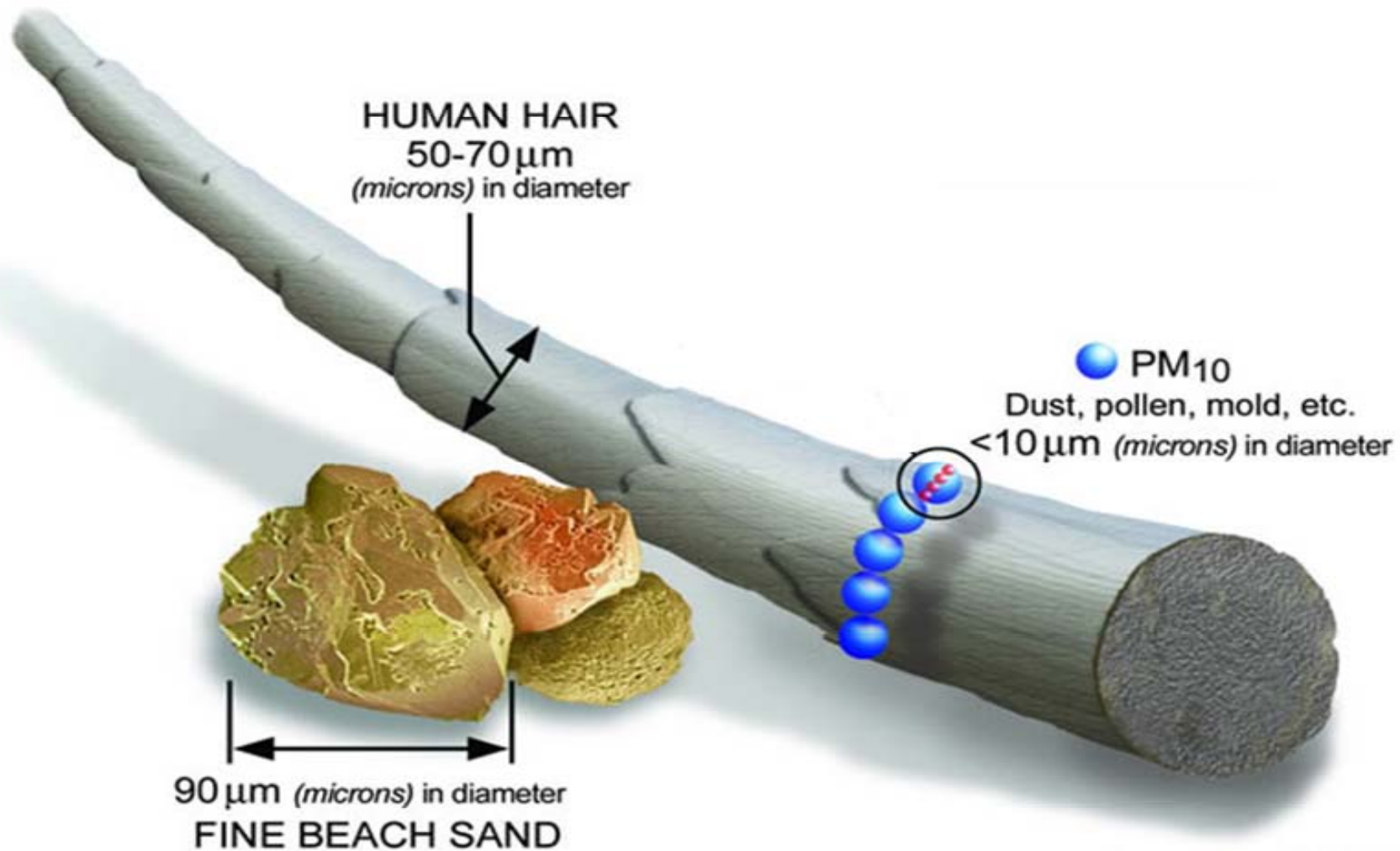
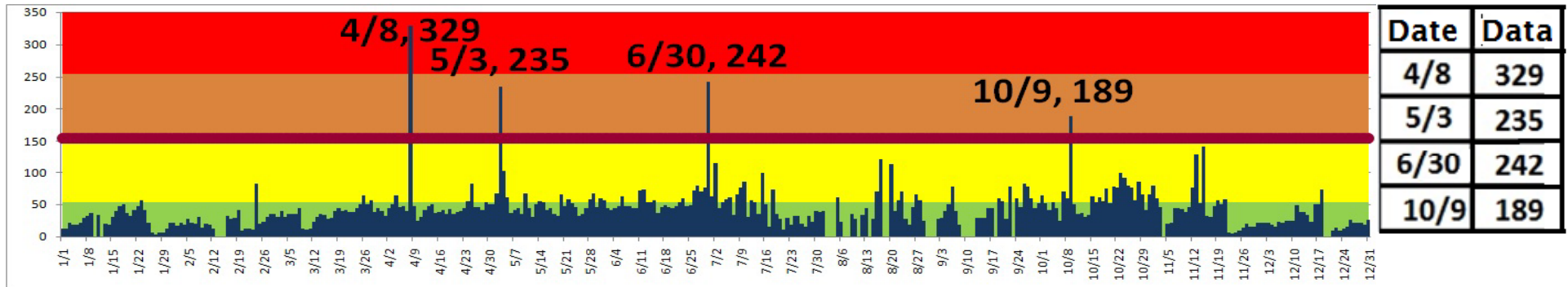


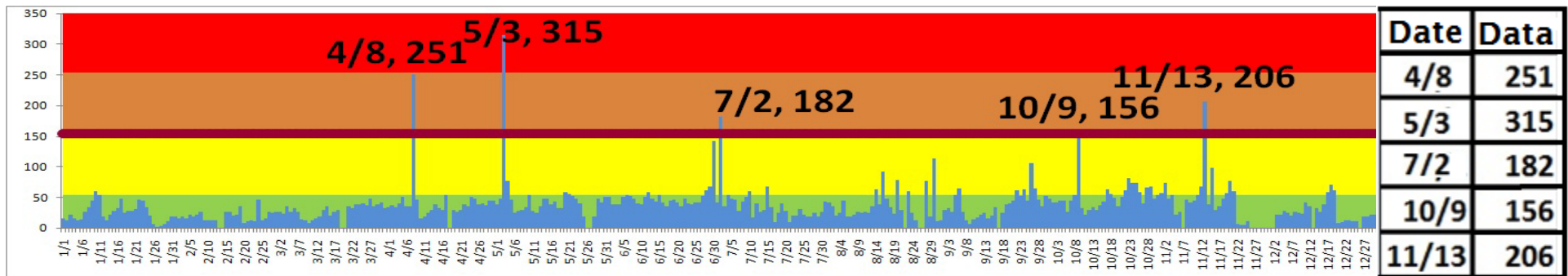
Image courtesy of the U.S. EPA

GRIC 2013 PM10 Data

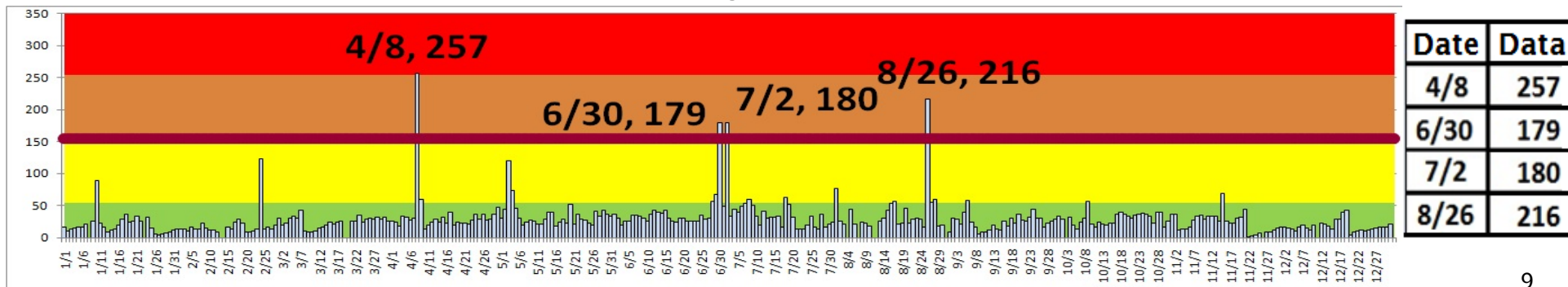
Casa Blanca Site



Sacaton Site



St. Johns Site



Gila River Indian Community Department of Environmental Quality



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