

Iowa Ozone Monitoring Locations and Design Values for Ozone 2005-2007

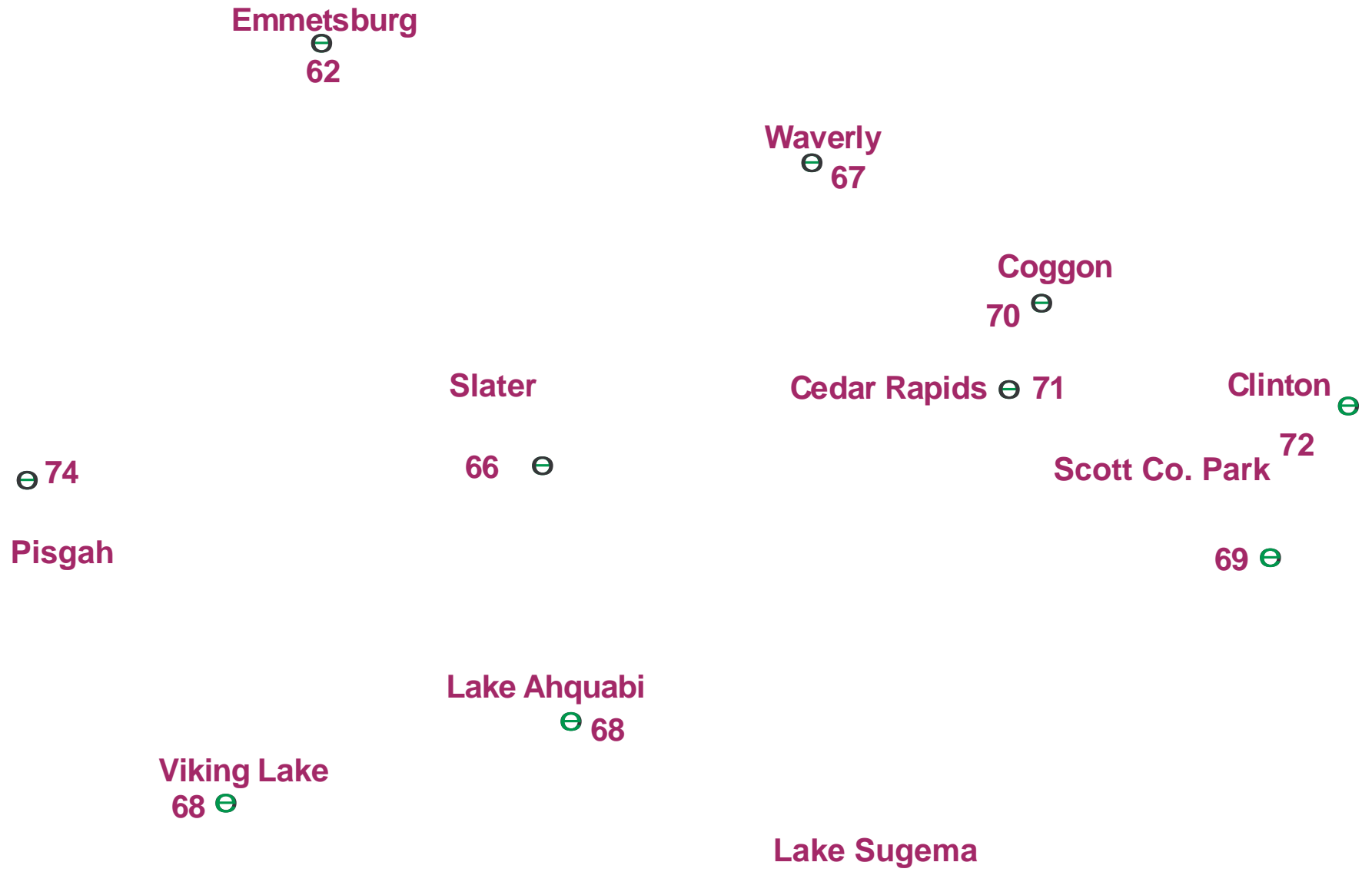
A design value is a tool that can be used to understand pollution levels at a specific location. A design value may be set for any pollutant. The U.S. EPA's official definition is explained this way: "a design value is the mathematically determined pollutant concentration at a particular site that must be reduced to, or maintained at or below the National Ambient Air Quality Standard to assume attainment." The design value number tells us how a particular site or area compares with the National Ambient Air Quality Standards (NAAQS).

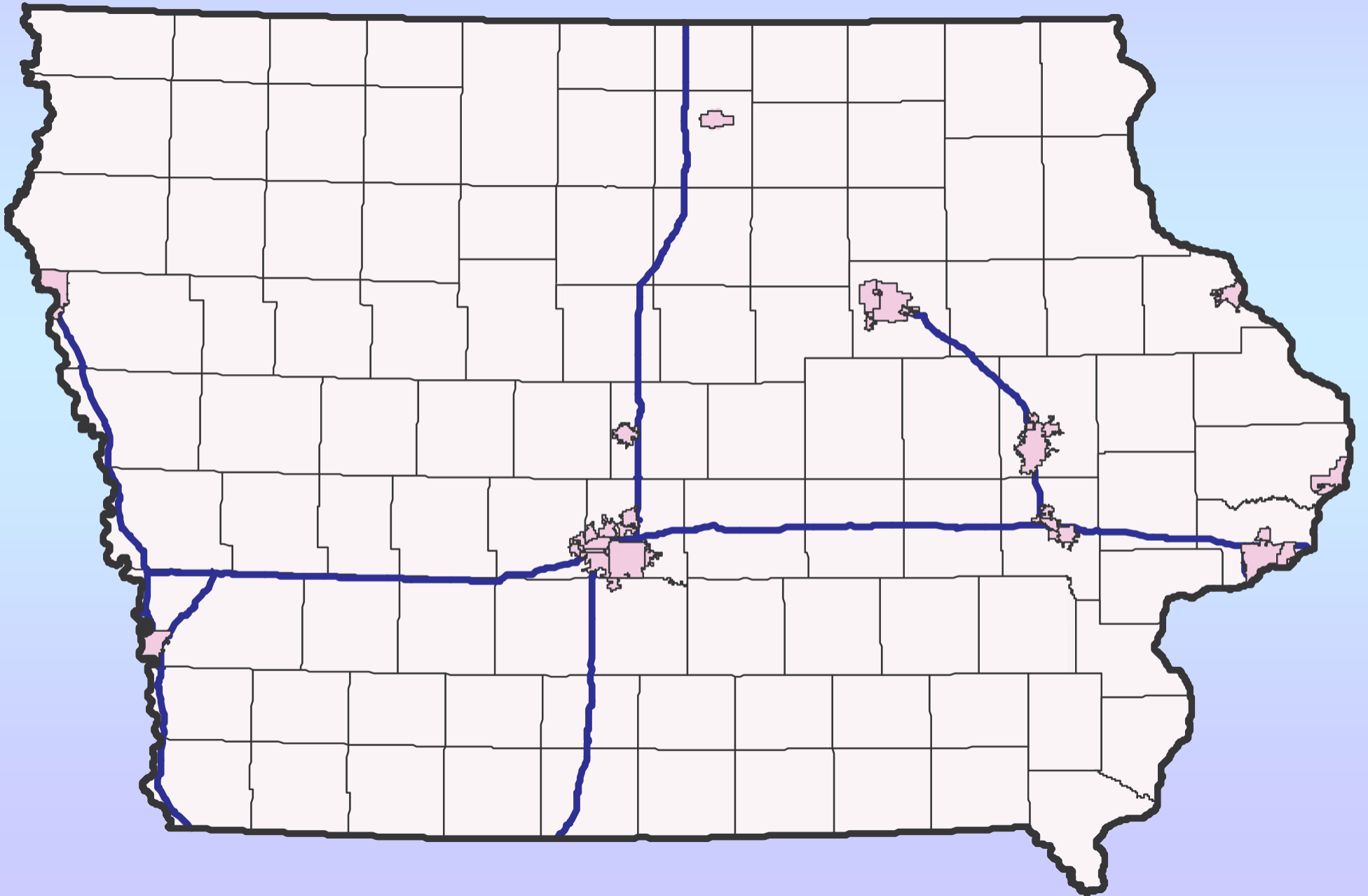
Iowa ozone monitor location and information is detailed on the following pages. The EPA design value for 8-hour ozone is equal to the average of the 4th highest annual daily maximum 8-hour value for the most recent three years. A monitoring site must have a design value less than 85 parts per billion to be considered "in attainment" with the ozone NAAQS. All monitoring sites in Iowa are in attainment with the 8-hour ozone NAAQS. EPA is in the process of revising the ozone standard. New ozone standards are expected to be promulgated in March of 2008. More information on the new standards may be found at <http://www.epa.gov/air/ozonepollution/naaqsrev2007.html>

Iowa Ozone Monitors (2007)

AQS Site ID	Site Name	Location	County
19-017-0011	Waverly Airport	Waverly	Bremer
19-045-0021	Rainbow Park	Clinton	Clinton
19-085-1101	Pisgah	Pisgah	Harrison
19-113-0028	Kirkwood Community College	Cedar Rapids	Linn
19-113-0033	Coggon	Coggon	Linn
19-137-0002	Viking Lake State Park	Red Oak	Montgomery
19-147-1002	Iowa Lakes Community College	Emmetsburg	Palo Alto
19-153-0030	Polk County Health	Des Moines	Polk
19-163-0014	Scott County Park	Davenport	Scott
19-163-0015	10th and Vine	Davenport	Scott
19-169-0011	Slater Elementary	Slater	Story
19-177-0005	Sugema	Lake Sugema	Van Buren
19-181-0022	Ahquabi	Indianola	Warren

Iowa Ozone Design Values: 2005-2007





Iowa Ozone Design Values 2007**

County	City	EPA Site Id	Year	4th Highest Daily Maximum 8hr Ozone Concentration (ppb)	3-year Average (ppb) of 4th Highest	Years Averaged
Bremer	Waverly	19-017-0011	2005	70	67	05-07
			2006	64		
			2007	68		
Clinton	Clinton	19-045-0021	2005	78	72	05-07
			2006	65		
			2007	74		
Harrison	Pisgah	19-085-1101	2005	80	74	05-07
			2006	74		
			2007	70		
Linn	Cedar Rapids	19-113-0028	2005	72	71	05-07
			2006	66		
			2007	76		
Linn	Coggon	19-113-0033	2005	73	70	05-07
			2006	64		
			2007	75		
Montgomery	Red Oak (Viking Lake)	19-137-0002	2005	67	68	05-07
			2006	68		
			2007	71		
Palo Alto	Emmetsburg	19-147-1002	2005	64	62	05-07
			2006	60		
			2007	63		
Scott	Davenport	19-163-0014	2005	77	69	05-07
			2006	59		
			2007	73		
Story	Slater	19-169-0011	2005	65	66	05-07
			2006	61		
			2007	73		
Van Buren	Keosauqua (Lake Sugema)	19-177-0005	2005	68	69	05-07
			2006	67		
			2007	72		
Warren	Indianola	19-181-0022	2005	72	68	05-07
			2006	64		
			2007	69		

(Three Year Averages Greater Than 85 ppb Indicate Non-Attainment with the NAAQS)

**** Values considered preliminary until data is certified in July 2008**

Web Resources

Iowa Real-time Data Reporting :

In Polk County:

<http://www.airquality.co.polk.ia.us/Default.aspx>

In Linn County:

<http://www.air.linn.ia.us/>

Outside Polk and Linn Counties:

<http://www.uhl.uiowa.edu/services/ambient/index.xml>

Design Values for All Pollutants Nationwide:

<http://www.epa.gov/airtrends/values.html>

Ozone Maps:

<http://www.epa.gov/airnow/index.html>

Historical Air Pollution Data for Iowa and Other States:

<http://www.epa.gov/air/data/>