

DATE: January 1, 2022
TO: Air Dispersion Modeling Community in Wisconsin
FROM: John Roth – AM/7
SUBJECT: PSD Minor Source Baseline Dates

The Prevention of Significant Deterioration (PSD) regulations were devised by the U.S. Environmental Protection Agency (USEPA) in order to permit "economic growth in a manner consistent with the preservation of existing clean air resources in areas such as national parks, national wilderness areas, national monuments, national seashores, and other areas of special national or regional natural, recreational, scenic, or historic value" (Clean Air Act, 1977). The intent of the program is to protect pristine and scenic areas of the country by limiting the amount of additional pollution affecting an area to values less than the National Ambient Air Quality Standards (NAAQS).

The program uses an "increment" system for sulfur dioxide (SO₂), nitrogen dioxide (NO₂), and particulate matter (PM₁₀ & PM_{2.5}) with different increment values in different areas depending on the degree of protection required. There are three possible area classifications under the PSD program – Class I, Class II, and Class III. Class I areas allow the least amounts of air quality deterioration while Class III areas allow greater deterioration but never to the extent that public health is threatened. Almost all of Wisconsin is designated as Class II with the exception of the Rainbow Lake Wilderness Area in Bayfield County and portions of the Forest County Potawatomi Community lands in Forest County.

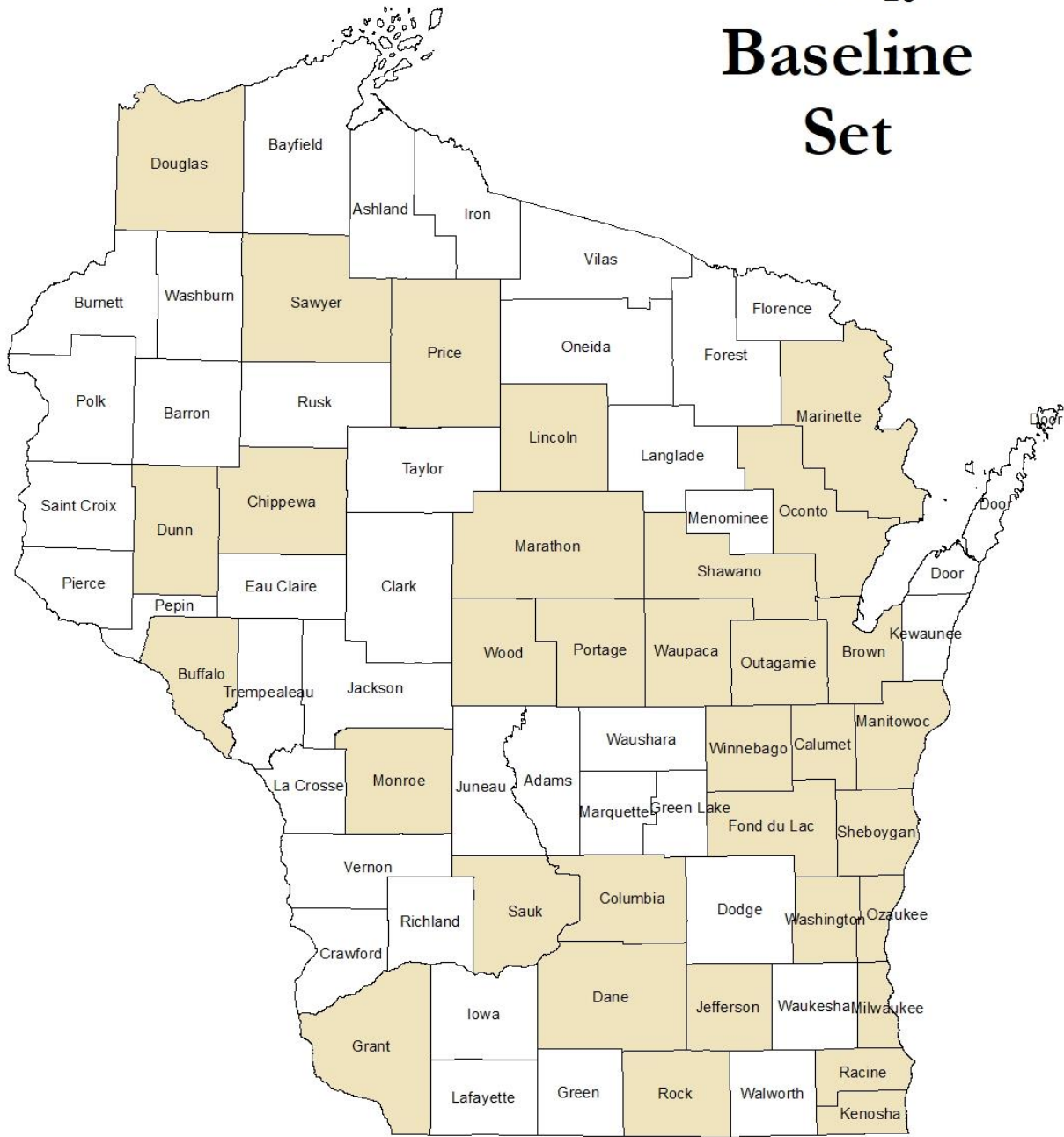
For each pollutant, once beyond the major source baseline date and the trigger date, the date of the first complete PSD application sets the minor source baseline date in the area. There is a facility in Dane County and another facility in Marathon County that began construction after the major source baseline date for PM_{2.5}. Any facility applying for a PSD permit for PM_{2.5} in either county should consult with Air Program modeling staff.

In Wisconsin, minor source baselines are set in the county of the applicant and in any surrounding counties if the modeled air quality impact of the project is above significant impact levels. Using the county for baselines is consistent with federal attainment designation areas.

The following table and maps detail the minor source baseline dates and counties in Wisconsin.

PSD MINOR SOURCE BASELINE DATES						January 2022	
PM _{2.5}		PM ₁₀		SO ₂		NO _x	
Date	County	Date	County	Date	County	Date	County
		15-Mar-1988	Brown	18-Aug-1983	Brown	15-Mar-1988	Brown
9-Sep-2015	Buffalo	9-Sep-2015	Buffalo	9-Sep-2015	Buffalo	9-Sep-2015	Buffalo
		11-Jun-1979	Calumet	18-Aug-1983	Calumet		
		1-Dec-2003	Chippewa			1-Dec-2003	Chippewa
25-Apr-2018	Columbia	20-Sep-1994	Columbia	20-Sep-1994	Columbia	20-Sep-1994	Columbia
		13-Sep-1998	Dane	13-Sep-1998	Dane	13-Sep-1998	Dane
20-Dec-2017	Douglas	14-Jul-1993	Douglas	14-Jul-1993	Douglas	14-Jul-1993	Douglas
17-Jul-2019	Dunn	11-Feb-1990	Dunn	11-Feb-1990	Dunn	11-Feb-1990	Dunn
		7-Mar-1991	Fond du Lac	7-Mar-1991	Fond du Lac	7-Mar-1991	Fond du Lac
		15-Mar-2007	Grant	15-Mar-2007	Grant	15-Mar-2007	Grant
		30-Mar-1990	Jefferson	30-Mar-1990	Jefferson	30-Mar-1990	Jefferson
31-Jan-2018	Kenosha	4-Jun-1992	Kenosha	4-Jun-1992	Kenosha	1-Apr-1999	Kenosha
		16-Aug-1984	Lincoln	16-Aug-1984	Lincoln	24-Jan-1990	Lincoln
		19-Feb-1979	Manitowoc	19-Feb-1979	Manitowoc	30-Apr-2001	Manitowoc
3-Dec-2021	Marathon	27-Dec-1987	Marathon	27-Dec-1987	Marathon	2-Sep-1993	Marathon
		16-Feb-1995	Marinette	24-Apr-2002	Marinette	24-Apr-2002	Marinette
		8-Apr-1986	Milwaukee	18-Jun-1991	Milwaukee	6-Jan-1993	Milwaukee
		29-Jan-1996	Monroe				
		20-Dec-2001	Oconto	20-Dec-2001	Oconto	20-Dec-2001	Oconto
						11-Aug-1995	Oneida
		18-Aug-1983	Outagamie	18-Aug-1983	Outagamie	30-Nov-1992	Outagamie
26-Jan-2021	Ozaukee	28-Mar-1986	Ozaukee			21-May-1990	Ozaukee
		21-Nov-2001	Portage	21-Nov-2001	Portage	21-Nov-2001	Portage
		27-Feb-1981	Price				
31-Jan-2018	Racine	31-Jan-2018	Racine	31-Jan-2018	Racine	31-Jan-2018	Racine
12-Dec-2015	Rock	30-Jul-2002	Rock	30-Jul-2002	Rock	30-Jul-2002	Rock
		15-Oct-2002	Sauk				
		29-Jul-1993	Sawyer			29-Jul-1993	Sawyer
17-Apr-2012	Shawano	20-Aug-1996	Shawano				
15-Jan-2014	Sheboygan	15-Jan-2014	Sheboygan			15-Jan-2014	Sheboygan
		1-Jun-1999	Washington	1-Jun-1999	Washington	1-Jun-1999	Washington
				18-Jun-1991	Waukesha		
8-Nov-2012	Waupaca	26-Oct-1992	Waupaca	15-Feb-1999	Waupaca	15-Feb-1999	Waupaca
		19-Jan-1987	Winnebago	18-Aug-1983	Winnebago	7-Nov-1988	Winnebago
		5-Dec-1984	Wood	5-Dec-1984	Wood	13-Dec-1988	Wood

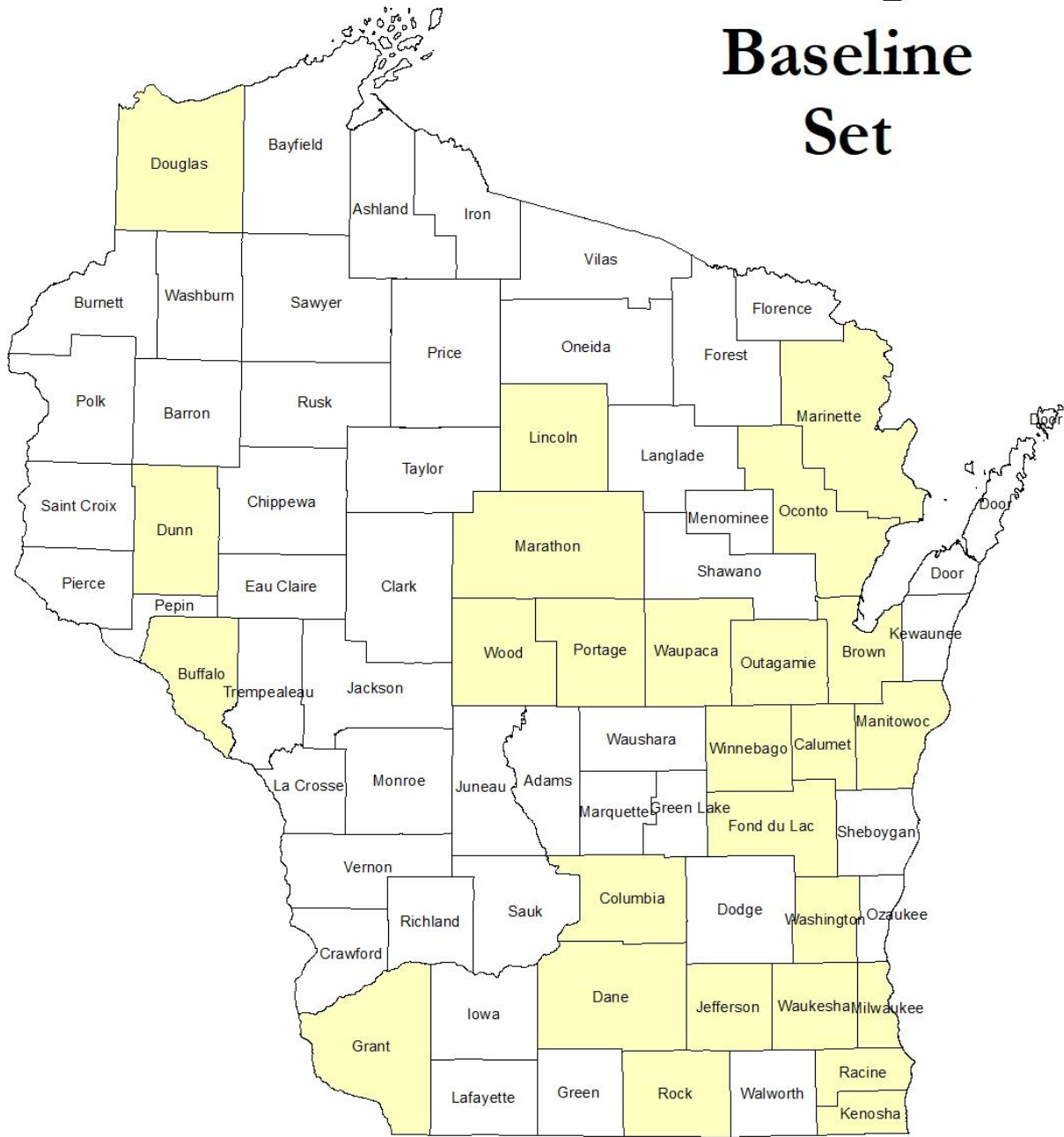
PM₁₀ Baseline Set



**Updated
Jan 2022**



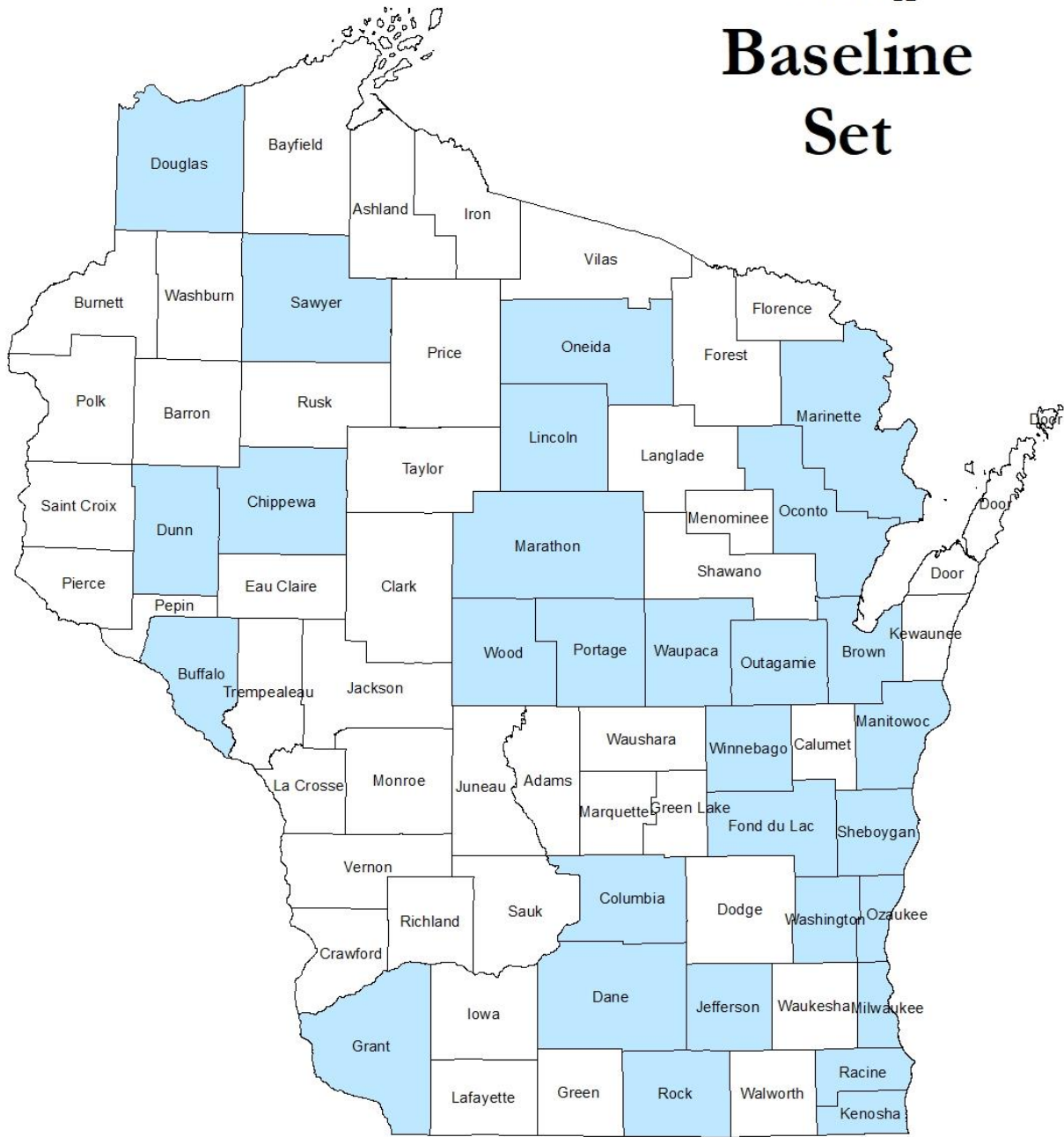
SO₂ Baseline Set



**Updated
Jan 2022**



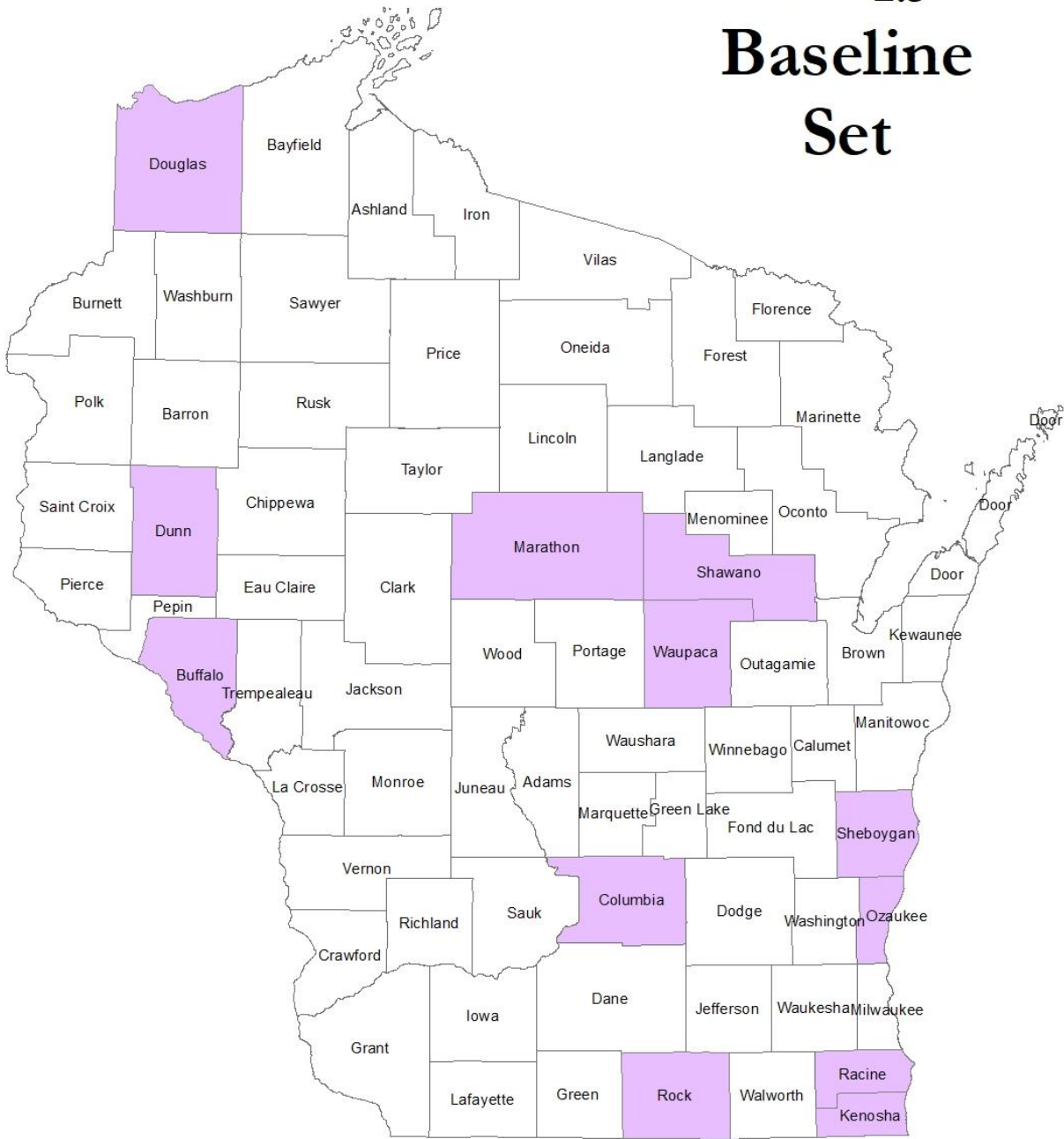
NO_x Baseline Set



**Updated
Jan 2022**



PM_{2.5} Baseline Set



Updated
Jan 2022

