

### NWS Data Sets for Use With AERMOD Model

County Number	County Name	Weather Data Set	County Number	County Name	Weather Data Set
1	Alamance	BUY	51	Johnston	RDU
2	Alexander	N/A <sup>1</sup>	52	Jones	EWN
3	Alleghany	N/A <sup>1</sup>	53	Lee	RDU
4	Anson	EQY	54	Lenoir	RWI
5	Ashe	N/A <sup>1</sup>	55	Lincoln	N/A <sup>1</sup>
6	Avery	N/A <sup>1</sup>	56	McDowell	N/A <sup>1</sup>
7	Beaufort	EWN	57	Macon	N/A <sup>1</sup>
8	Bertie	ECG	58	Madison	N/A <sup>1</sup>
9	Bladen	LBT	59	Martin	RWI
10	Brunswick	ILM	60	Mecklenburg	CLT
11	Buncombe	N/A <sup>1</sup>	61	Mitchell	N/A <sup>1</sup>
12	Burke	N/A <sup>1</sup>	62	Montgomery	EQY
13	Cabarrus	CLT	63	Moore	MEB
14	Caldwell	N/A <sup>1</sup>	64	Nash	RWI
15	Camden	ECG	65	New Hanover	ILM
16	Carteret	MRH	66	North Hampton	RWI
17	Caswell	DAN	67	Onslow	MRH
18	Catawba	N/A <sup>1</sup>	68	Orange	IGX
19	Chatham	IGX	69	Pamlico	EWN
20	Cherokee	N/A <sup>1</sup>	70	Pasquotank	ECG
21	Chowan	ECG	71	Pender	ILM
22	Clay	N/A <sup>1</sup>	72	Perquimans	ECG
23	Cleveland	AKH <sup>2</sup>	73	Person	DAN
24	Columbus	LBT or ILM <sup>4</sup>	74	Pitt	RWI
25	Craven	EWN	75	Polk	N/A <sup>1</sup>
26	Cumberland	FAY	76	Randolph	GSO
27	Currituck	ECG	77	Richmond	MEB
28	Dare	ECG	78	Robeson	LBT
29	Davidson	GSO	79	Rockingham	DAN
30	Davie	INT	80	Rowan	CLT
31	Duplin	N/A <sup>4</sup>	81	Rutherford	AKH <sup>3</sup>
32	Durham	RDU	82	Sampson	FAY
33	Edgecombe	RWI	83	Scotland	MEB
34	Forsyth	INT	84	Stanly	EQY
35	Franklin	RDU	85	Stokes	INT
36	Gaston	AKH	86	Surry	INT
37	Gates	ECG	87	Swain	N/A <sup>1</sup>
38	Graham	N/A <sup>1</sup>	88	Transylvania	N/A <sup>1</sup>
39	Granville	RDU	89	Tyrrell	ECG
40	Greene	RWI	90	Union	EQY
41	Guilford	GSO	91	Vance	RDU
42	Halifax	RWI	92	Wake	RDU
43	Harnett	RDU	93	Warren	RWI
44	Haywood	N/A <sup>1</sup>	94	Washington	ECG
45	Henderson	N/A <sup>1</sup>	95	Watauga	N/A <sup>1</sup>
46	Hertford	ECG	96	Wayne	RWI
47	Hoke	MEB	97	Wilkes	N/A <sup>1</sup>
48	Hyde	MRH	98	Wilson	RWI
49	Iredell	CLT	99	Yadkin	INT
50	Jackson	N/A <sup>1</sup>	100	Yancey	N/A <sup>1</sup>

...Key to weather data set abbreviations on following page...

BUY – Burlington surface/Greensboro upper  
EWN – New Bern/Newport  
IGX – Chapel Hill/Greensboro  
RDU - Raleigh/Greensboro  
CLT - Charlotte/Greensboro  
RWI – Rocky Mount – Wilson/Newport  
MRH – Morehead City (Beaufort)/Newport  
LBT – Lumberton/Greensboro  
INT – Winston Salem/Greensboro

EQY – Monroe/Greensboro upper  
ECG – Elizabeth City/Newport  
AKH – Gastonia/Greensboro  
GSO - Greensboro/Greensboro  
ILM - Wilmington/Newport  
MEB – Maxton/Greensboro  
FAY – Fayetteville (Pope AFB)/Greensboro  
AVL – Asheville/Greensboro  
DAN – Danville/Greensboro

- 1- N/A - These counties are located in areas where terrain features are such that only site specific data would be representative.  
Contact the AQAB to determine the most appropriate modeling methodology.
- 2 - The Gastonia/Greensboro data set may be used but with prior approval from the AQAB.
- 3 - For easternmost portion of county only – contact AQAB for prior approval.
- 4 - Contact AQAB to determine which data set to use.