

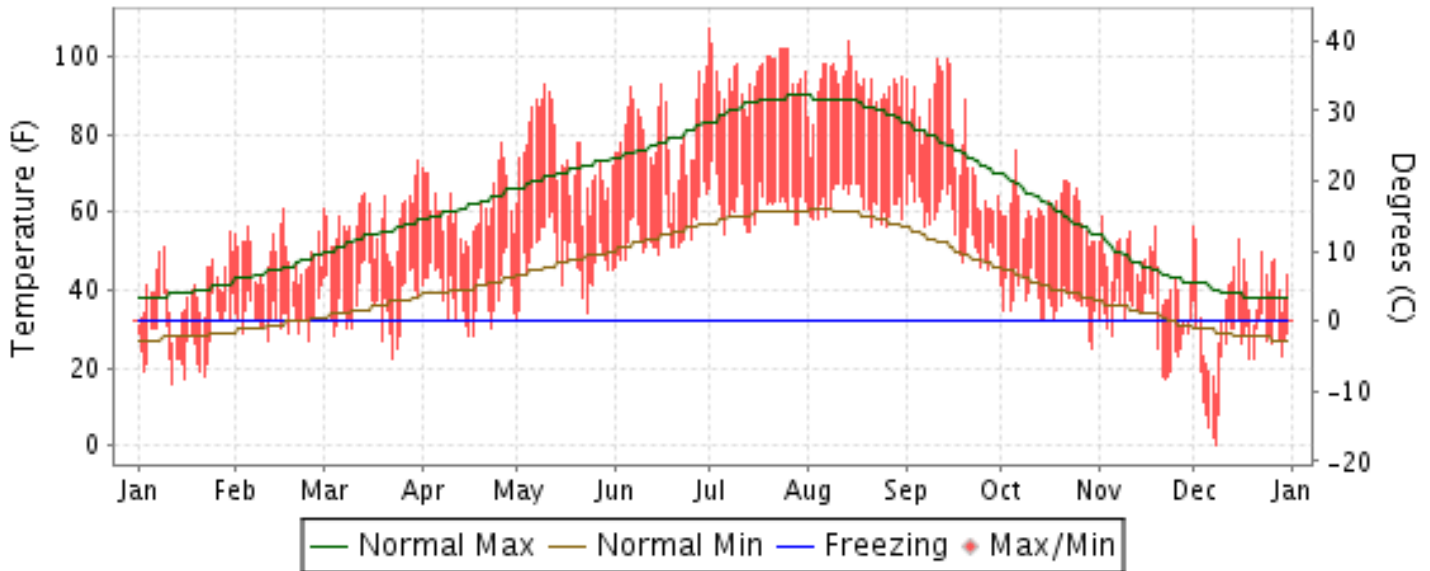


2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

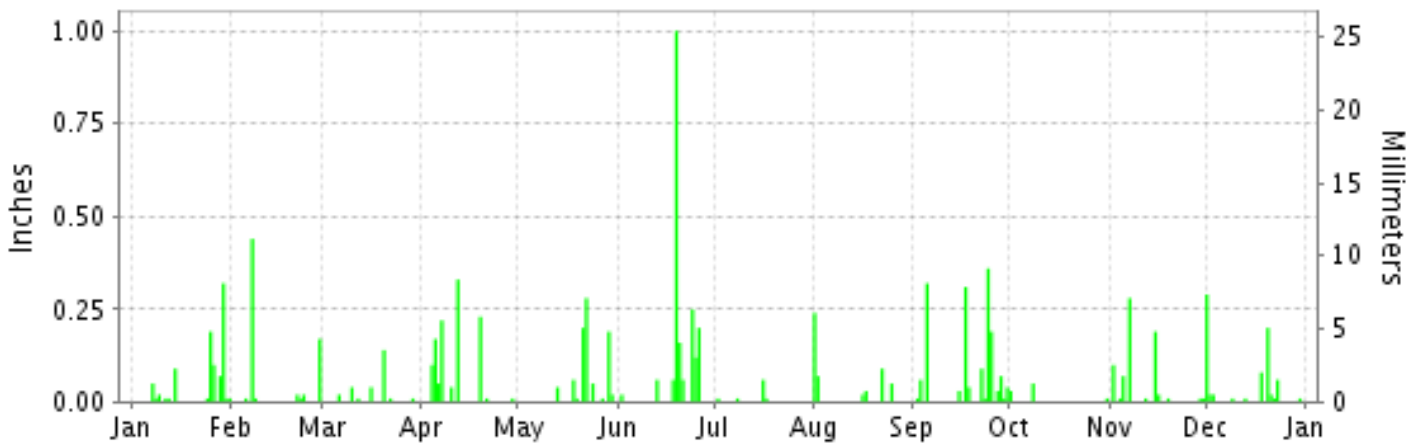
ISSN 0198-1781

LEWISTON, IDAHO (KLWS)

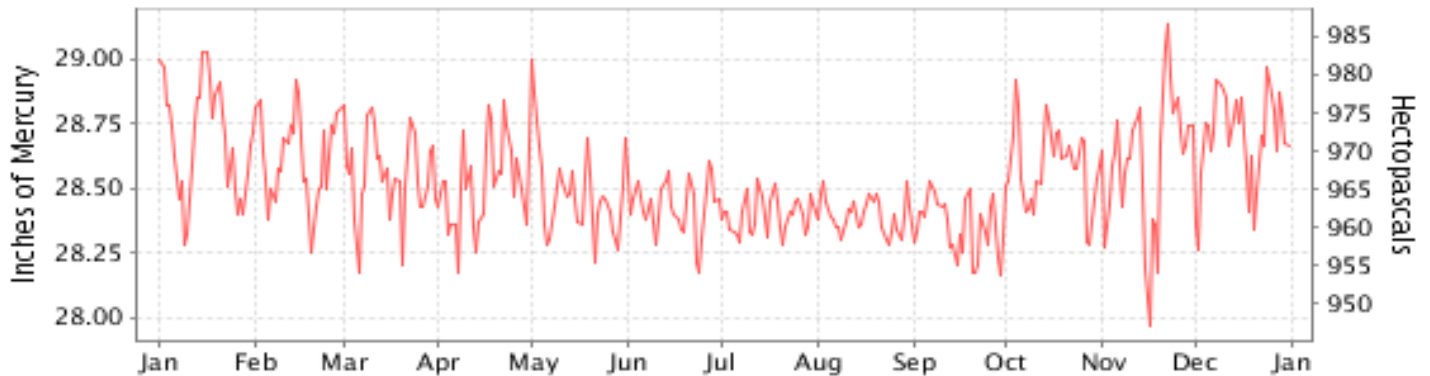
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
OCEANIC AND
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ENVIRONMENTAL SATELLITE, DATA
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NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2013

LEWISTON (KLWS)

LATITUDE: 46° 22'N LONGITUDE: 117° 0'W ELEVATION (FT): GRND: 1436 BARO: 1447 TIME ZONE: PACIFIC (UTC -8) WBAN: 24149

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	39.5	48.8	57.5	61.3	74.5	80.2	95.4	92.3	79.2	61.0	45.3	37.5	64.4	
	HIGHEST DAILY MAXIMUM	55	61	73	78	93	97	107	104	99	76	59	56	107	
	DATE OF OCCURRENCE	30	16	31	26	10	30	01	14	14+	06	02	01	JUL 01	
	MEAN DAILY MINIMUM	27.3	32.9	36.5	39.2	47.6	54.3	61.8	62.1	56.8	37.3	31.7	23.9	42.6	
	LOWEST DAILY MINIMUM	16	27	22	28	32	46	54	56	45	25	17	0	0	
	DATE OF OCCURRENCE	12	24+	23	17+	01	01	06	26+	27	30	22	08	DEC 08	
	AVERAGE DRY BULB	33.4	40.9	47.0	50.3	61.1	67.3	78.6	77.2	68.0	49.2	38.5	30.7	53.5	
	MEAN WET BULB	30.4		40.3	43.0	50.9	56.1	58.8	60.1	56.2	42.7	34.9	27.8		
	MEAN DEW POINT	25.1		32.3	34.0	41.4	46.5	41.6	47.4	47.8	35.8	29.9	21.8		
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	2	5	27	22	8	0	0	0	0	64
MAXIMUM <= 32°	4	0	0	0	0	0	0	0	0	0	3	8	8	15	
MINIMUM <= 32°	23	13	10	5	1	0	0	0	0	0	3	14	26	95	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	1	1	1	
H/C	HEATING DEGREE DAYS	970	667	551	434	169	44	0	0	87	481	786	1054	5243	
	COOLING DEGREE DAYS	0	0	0	0	57	120	431	386	184	0	0	0	1178	
RH	MEAN (PERCENT)	73	70	61	56	53	52	30	39	54	64	73	70	58	
	HOUR 04 LST	76	79	75	75	73	73	52	59	70	80	79	74	72	
	HOUR 10 LST	70	67	57	48	44	41	24	33	48	58	72	67	52	
	HOUR 16 LST	70	61	46	39	38	36	15	24	40	48	68	70	46	
	HOUR 22 LST	76	73	65	64	59	56	30	41	60	69	75	72	62	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	5	2	1	1	0	0	0	0	0	1	10	8	28	
	THUNDERSTORMS	0	0	1	0	1	0	2	4	3	0	0	0	11	
PR	MEAN STATION PRESS. (IN.)	28.69		28.56	28.52	28.49	28.43	28.39	28.40	28.35	28.59	28.61	28.70		
	MEAN SEA-LEVEL PRESS. (IN.)	30.27		30.10	30.06	30.01	29.94	29.89	29.89	29.85	30.13	30.18	30.27		
WINDS	RESULTANT SPEED (MPH)	2.5	0.9	0.8	2.5	0.7	1.5	1.6	1.1	0.7	0.1	1.3	1.3	0.6	
	RES. DIR. (TENS OF DEGS.)	15	19	24	27	32	31	32	28	21	07	19	15	24	
	MEAN SPEED (MPH)	5.1	4.8	5.2	5.8	4.7	5.2	4.5	4.2	5.1	3.1	3.8	4.3	4.7	
	PREVAIL.DIR.(TENS OF DEGS.)	13	19	06	29	30	30	31	30	16	06	19	06	31	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	31	29	39	37	36	31	20	46	29	30	29	33	46	
	DIR. (TENS OF DEGS.)	17	10	29	28	30	30	33	20	26	25	26	26	20	
	DATE OF OCCURRENCE	07	20	20	29	21	07	31	09	30	07	02	02	AUG 09	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	40	37	52	47	47	39	41	60	37	43	38	48	60	
DIR. (TENS OF DEGS.)	17	28	29	28	30	29	02	22	29	27	27	26	22		
DATE OF OCCURRENCE	07	25	20	29	13	07	13	09	28	07	16	02	AUG 09		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.90	0.68	0.27	1.16	0.86	1.93	0.09	0.50	1.57	0.09	0.71	0.73	9.49	
	GREATEST 24-HOUR (IN.)	0.33	0.45	0.14	0.33	0.48	1.01	0.07	0.27	0.37	0.05	0.28	0.29	1.01	
	DATE OF OCCURRENCE	29-30	07-08	20	12	21-22	18-19	16-17	01-02	23-24	08	07	01	JUN 18-19	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	13	7	7	9	9	9	4	6	14	3	10	11	102		
PRECIPITATION 0.10	3	2	1	5	3	5	0	1	4	0	3	2	29		
PRECIPITATION 1.00	0	0	0	0	0	1	0	0	0	0	0	0	1		
SNOWFALL	SNOW,ICE PELLETS,HAIL	2.3	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	2.5	4.8	
	TOTAL (IN.)	1.1	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	1.8	1.8	
	GREATEST 24-HOUR (IN.)	14	08+	22								28+	20	DEC 20	
	DATE OF OCCURRENCE	1	0	0	0	0	0	0	0	0	0	0	2	2	
	MAXIMUM SNOW DEPTH (IN.)	16+											20	DEC 20	
	DATE OF OCCURRENCE														
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	1	0	0	0	0	0	0	0	0	0	0	1	2		

NORMALS, MEANS, AND EXTREMES LEWISTON (KLWS)

LATITUDE:
46° 22'N

LONGITUDE:
117° 0'W

ELEVATION (FT):
GRND: 1436 BARO: 1447

TIME ZONE:
PACIFIC (UTC -8)

WBAN: 24149

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	41.6	46.5	54.9	62.3	70.9	78.5	89.3	88.8	78.2	62.6	48.2	39.5	63.4
	MEAN DAILY MAXIMUM	66	39.7	46.3	53.8	61.9	70.7	78.7	89.3	88.2	78.2	62.8	48.0	40.5	63.2
	HIGHEST DAILY MAXIMUM	67	66	72	78	97	100	107	110	115	103	89	77	65	115
	YEAR OF OCCURRENCE		1953	1986	2004	2003	1983	1973	2002	1961	1950	1987	1999	2002	AUG 1961
	MEAN OF EXTREME MAXS.	66	54.6	59.4	68.3	78.7	89.1	95.4	102.9	102.2	94.1	79.8	62.6	55.3	78.5
	NORMAL DAILY MINIMUM	30	29.6	30.9	35.6	40.3	47.0	53.4	59.6	59.2	51.0	41.1	34.1	28.0	42.5
	MEAN DAILY MINIMUM	66	27.2	30.7	34.5	39.6	46.5	53.1	59.1	58.4	50.6	40.9	33.6	28.5	41.9
	LOWEST DAILY MINIMUM	67	-22	-15	2	20	23	34	41	41	28	15	-3	-22	-22
	YEAR OF OCCURRENCE		1950	1950	1955	1966	1954	1951	1955	1992	1965	2002	1955	1968	DEC 1968
	MEAN OF EXTREME MINS.	66	9.5	16.2	23.3	29.5	35.1	43.1	48.8	48.4	39.1	28.6	20.2	12.0	29.5
	NORMAL DRY BULB	30	35.6	38.7	45.3	51.3	59.0	66.0	74.4	74.0	64.6	51.8	41.1	33.7	53.0
	MEAN DRY BULB	66	33.5	38.5	44.1	50.7	58.6	66.0	74.2	73.3	64.4	51.9	40.8	34.5	52.5
	MEAN WET BULB	29	31.3	33.4	38.3	42.6	48.1	53.5	55.7	54.4	49.7	43.1	36.3	30.0	43.0
	MEAN DEW POINT	29	28.5	30.0	34.2	38.4	43.8	47.8	49.8	48.0	44.3	38.7	33.4	27.6	38.7
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	1.2	3.9	16.1	15.0	3.9	0.0	0.0	0.0	40.1
	MAXIMUM <= 32	30	4.4	1.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.5	12.7
	MINIMUM <= 32	30	17.8	14.5	8.0	2.2	0.0	0.0	0.0	0.0	0.1	2.4	10.3	20.6	75.9
MINIMUM <= 0	30	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.7	
H/C	NORMAL HEATING DEG. DAYS	30	911	736	612	413	217	70	7	8	99	411	715	968	5167
	NORMAL COOLING DEG. DAYS	30	0	0	0	2	30	98	300	287	87	3	0	0	807
RH	NORMAL (PERCENT)	30													
	hour 04 LST	30	82	80	77	75	76	72	62	58	67	77	82	80	74
	hour 10 LST	30	75	71	63	56	52	48	40	40	49	62	74	75	59
	hour 16 LST	30	69	60	49	43	40	36	26	25	31	45	66	71	47
	hour 22 LST	30													
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	31	4.3	2.6	1.2	0.3	0.2	0.1	0.0	0.0	0.1	1.3	3.2	4.5	17.8
	THUNDERSTORMS	36	0.0	0.1	0.2	0.8	1.5	2.3	2.4	1.6	0.8	0.2	0.0	0.0	9.9
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)				7.2		7.2	4.0							
	MIDNIGHT-MIDNIGHT (OKTAS)						7.2	4.0			3.2				
	MEAN NO. DAYS WITH: CLEAR	1	1.0	3.0	4.0		4.0	9.0							
	PARTLY CLOUDY			2.0	3.0		4.0	5.0							
CLOUDY	1	2.0	4.0	8.0		16.0	4.0								
PR	MEAN STATION PRESSURE(IN)	30	28.58	28.54	28.48	28.46	28.44	28.43	28.43	28.43	28.46	28.53	28.54	28.59	28.49
	MEAN SEA-LEVEL PRES. (IN)	29	30.15	30.10	30.02	29.99	29.95	29.93	29.92	29.92	29.97	30.06	30.10	30.16	30.02
WINDS	MEAN SPEED (MPH)	30	6.6	5.9	6.4	6.6	6.1	6.1	5.8	5.6	5.0	5.0	5.9	6.0	5.9
	PREVAIL.DIR(TENS OF DEGS)	19	19	08	08	30	31	31	31	31	31	08	08	08	31
	MAXIMUM 2-MINUTE: SPEED (MPH)	18	45	45	44	45	45	43	51	46	38	49	48	46	51
	DIR. (TENS OF DEGS)		25	25	27	26	25	29	26	20	26	25	30	26	26
	YEAR OF OCCURRENCE		2000	1999	1997	2004	2006	2001	1998	2013	2000	2001	2010	2008	JUL 1998
	MAXIMUM 3-SECOND SPEED (MPH)	18	60	59	55	54	52	53	63	85	47	58	63	59	85
	DIR. (TENS OF DEGS)		26	25	26	29	25	28	25	33	26	26	25	26	33
YEAR OF OCCURRENCE		2000	2008	2004	2002	2006	2001	1998	2011	2000	2001	2010	2008	AUG 2011	
PRECIPITATION	NORMAL (IN)	30	1.08	0.78	1.15	1.32	1.61	1.24	0.66	0.69	0.67	0.96	1.18	0.97	12.31
	MAXIMUM MONTHLY (IN)	67	3.55	2.22	3.59	3.29	4.80	4.70	2.60	2.96	2.48	2.79	2.79	3.28	4.80
	YEAR OF OCCURRENCE		1970	2000	2012	1978	1948	1950	1987	1989	2000	1950	1973	1964	MAY 1948
	MINIMUM MONTHLY (IN)	67	0.11	0.17	0.25	0.05	0.27	0.23	T	T	T	T	0.23	0.14	0.05
	YEAR OF OCCURRENCE		2007	1988	1969	1956	1964	2003	1953	2012	2012	1987	1976	1970	APR 1956
	MAXIMUM IN 24 HOURS (IN)	67	1.35	1.04	1.19	1.06	1.63	1.72	1.90	1.64	1.73	1.19	1.44	1.12	1.90
	YEAR OF OCCURRENCE		1956	2011	2012	1978	1948	1950	1998	1989	1955	1950	1996	1958	JUL 1998
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	10.0	8.5	11.2	10.2	10.6	8.8	4.6	4.1	4.9	7.9	11.4	10.6	102.8
PRECIPITATION >= 1.00	30	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	
SNOWFALL	NORMAL (IN)	30	2.4	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.5	10.5
	MAXIMUM MONTHLY (IN)	57	26.1	14.9	9.7	1.1	T	T	T	T	T	2.5	14.4	18.7	26.1
	YEAR OF OCCURRENCE		1957	1956	1955	1972	2011	2012	1991	2012	2012	1971	1961	1968	JAN 1957
	MAXIMUM IN 24 HOURS (IN)	57	12.8	7.5	6.7	1.0	T	T	T	0.0	0.0	1.3	8.3	8.4	12.8
	YEAR OF OCCURRENCE		1966	1956	1989	1947	2011	2012	1991			1971	1961	1968	JAN 1966
	MAXIMUM SNOW DEPTH (IN)	56	16	9	5	0	0	0	0	0	0	1	10	8	16
	YEAR OF OCCURRENCE		1957	1969	1989							1971	1961	2008	JAN 1957
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	0.8	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.6	3.9	

PRECIPITATION (inches) 2013 LEWISTON (KLWS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	0.71	0.46	1.66	1.15	1.68	1.58	0.27	0.93	0.21	0.91	0.89	0.69	11.14
1985	0.24	0.66	0.67	0.93	1.29	0.92	0.57	0.91	1.82	0.60	0.62	0.36	9.59
1986	1.13	1.99	0.63	0.37	1.39	0.41	0.56	0.84	0.94	0.30	1.44	0.53	10.53
1987	0.56	0.44	0.91	0.83	0.84	1.44	2.60	0.34	0.01	T	0.31	0.81	9.09
1988	0.97	0.17	1.04	1.12	0.91	1.69	0.88	0.08	0.82	0.17	2.04	0.53	10.42
1989	1.61	0.33	1.69	0.65	2.57	1.61	0.07	2.96	0.64	0.63	0.67	0.30	13.73
1990	0.84	0.26	1.05	2.08	2.39	0.71	0.35	0.71	0.04	1.18	1.05	0.92	11.58
1991	0.14	0.32	1.11	0.79	3.74	1.86	0.53	0.03	0.24	0.15	2.00	0.40	11.31
1992	0.71	0.74	0.42	1.76	0.49	0.75	1.34	1.37	0.84	0.67	1.25	0.39	10.73
1993	0.99	0.70	1.17	2.78	1.97	1.63	1.19	0.62	0.07	0.67	0.64	0.80	13.23
1994	0.89	0.74	0.28	1.50	1.21	1.05	0.54	0.08	0.37	1.10	0.88		
1995	1.39	0.59	1.85	1.55	0.93	2.60		1.31	1.21	2.41	0.79	1.37	
1996	1.62	2.00	1.16	2.59	2.75	0.67	.11	.07	.47	1.12	2.27	2.62	17.45
1997	2.43	0.71	1.69	2.52	0.81	0.93	1.03	0.47	0.98	1.77	1.12	0.60	15.06
1998	1.77	0.33	0.87	1.29	3.78	0.77	2.42	0.17	1.90	0.62	2.67	1.00	17.59
1999	0.58	1.30	1.02	0.71	1.31	1.50	0.20	1.06	T	1.23	1.62	1.14	11.67
2000	0.89	2.22	0.95	0.99	1.46	1.27	0.03	0.12	2.48	1.18	0.71	0.72	13.02
2001	0.98	0.66	0.85	1.65	0.60	1.12	0.59	0.14	0.19	1.86	1.23	0.64	10.51
2002	0.81	0.96	1.44	0.79	0.57	1.45	0.15	1.38	0.38	0.77	0.74	0.68	10.12
2003	3.01	0.68	2.26	1.56	2.10	0.23	0.31	0.39	1.06	0.29	0.37	1.78	14.04
2004	0.92	0.72	0.44	1.34	3.12	1.14	0.29	1.81	0.33	1.42	1.00	0.86	13.39
2005	0.31	0.19	1.05	1.53	3.22	1.30	0.26	0.05	0.17	1.57	0.48	1.63	11.76
2006	1.11	0.25	0.94	2.25	1.65	1.45	0.21	0.18	0.66	0.42	2.41	0.96	12.49
2007	0.11	1.11	0.76	0.57	0.82	0.76	0.04	0.37	0.10	1.08	1.65	0.36	7.73
2008	0.75	0.42	0.72	0.53	0.95	0.69	0.23	0.82	0.75	0.39	0.90	1.60	8.75
2009	1.45	0.53	2.12	0.82	0.86	0.82	0.48	1.76	0.09	0.76	0.71	1.04	11.44
2010	1.82	0.49	0.99	1.55	1.88	2.73	0.16	0.24	0.70	1.20	1.03	1.70	14.49
2011	1.09	1.96	1.71	1.60	3.57	0.64	0.15	0.05	0.14	1.00	0.93	0.21	13.05
2012	1.75	0.85	3.59	1.68	0.72	2.05	0.64	T	T	2.15	1.15	0.86	15.44
2013	0.90	0.68	0.27	1.16	0.86	1.93	0.09	0.50	1.57	0.09	0.71	0.73	9.49
POR= 66 YRS	1.22	0.87	1.11	1.23	1.56	1.37	0.62	0.71	0.74	1.00	1.16	1.12	12.71

WBAN : 24149

AVERAGE TEMPERATURE (°F) 2013 LEWISTON (KLWS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	36.0	40.8	46.8	49.3	56.1	63.9	75.2	75.0	61.5	48.6	42.2	30.5	52.2
1985	28.0	32.6	42.3	53.5	60.3	66.9	80.0	69.5	56.8	48.6	29.0	23.2	49.2
1986	39.2	39.0	48.8	50.5	60.1	70.9	68.9	77.7	59.4	53.9	40.5	34.7	53.6
1987	32.0	40.4	46.4	57.0	62.3	70.0	71.5	72.0	68.3	54.6	43.6	33.8	54.3
1988	33.3	41.3	44.4	53.5	58.9	66.7	73.8	73.9	64.2	58.7	42.6	34.2	53.8
1989	36.3	26.6	46.3	56.1	59.4	68.6	74.5	71.4	66.1	54.4	47.1	37.9	53.7
1990	41.9	39.7	48.4	57.0	58.8	67.6	77.4	75.6	73.0	53.1	47.1	30.6	55.9
1991	34.5	47.7	45.4	52.0	55.9	60.3	72.3	75.1	65.6	50.6	40.1	37.6	53.1
1992	37.9	42.2	49.1	53.8	63.0	71.2	72.4	73.4	62.4	54.2	40.2	32.7	54.4
1993	27.0	32.9	46.4	50.1	62.9	63.9	65.4	70.2	64.7	54.4	35.2	36.1	50.8
1994	40.4	35.6	46.6	54.2	61.6	66.0	77.8	75.2	67.4	52.1	38.4		
1995	35.4	41.9	44.5	49.9	59.8	63.8		70.0	66.3	49.4	45.1	34.7	
1996	34.1		43.4	51.4	54.1	64.1	74.8	73.4	61.8	51.4	40.5	34.3	
1997	33.7	38.3	44.6	48.8	61.5	64.2	71.7	76.2	66.5	52.0	43.1	34.1	52.9
1998	36.9	42.0	45.6	51.0	58.9	65.5	78.7	76.4	69.3	50.0	43.5	34.5	54.4
1999	37.6	40.6	43.7	48.7	55.3	63.8	71.9	75.3	64.1	52.0	46.2	37.4	53.1
2000	36.1	40.6	44.2	54.4	58.7	66.0	73.6	73.6	61.1	49.7	34.1	32.9	52.1
2001	34.2	36.9	45.1	48.4	60.2	63.4	73.6	76.5	68.1	51.8	44.2	34.9	53.1
2002	36.9	38.9	40.8	49.8	56.8	67.0	77.1	70.5	64.2	47.7	41.6	38.1	52.5
2003	39.8	38.0	46.1	49.9	57.4	68.3	78.9	75.7	66.5	55.4	38.7	36.6	54.3
2004	34.0	40.3	49.2	54.0	58.6	67.9	77.6	75.8	63.5	53.4	41.9	37.9	54.5
2005	38.0	39.2	47.9	52.4	60.6	64.4	76.6	75.2	63.0	53.8	40.4	31.9	53.6
2006	42.2	37.5	44.7	52.0	61.3	68.6	79.3	74.0	65.4	50.7	42.8	35.6	54.5
2007	31.1	39.7	48.6	51.6	60.5	67.3	80.3	73.5	64.5	52.3	39.9	36.1	53.8
2008	33.0	41.3	42.2	47.1	61.0	65.5	75.0	74.1	65.5	52.7	44.4	30.4	52.7
2009	33.9	39.6	40.7	50.4	60.2	67.1	76.4	74.8	68.2	48.6	41.4	29.3	52.6
2010	41.0	42.6	45.9	51.0	54.9	63.5	73.7	73.1	65.2	53.6	38.5	35.6	53.2
2011	36.8	35.1	44.9	45.7	55.2	62.9	70.9	75.5	69.5	53.3	40.4	33.3	52.0
2012	36.4	39.3	44.2	53.1	57.7	65.5	77.6	77.4	68.4	52.8	45.3	38.1	54.7
2013	33.4	40.9	47.0	50.3	61.1	67.3	78.6	77.2	68.0	49.2	38.5	30.7	53.5
POR= 66 YRS	33.5	38.5	44.1	50.7	58.6	66.0	74.2	73.3	64.4	51.9	40.8	34.5	52.6

HEATING DEGREE DAYS (base 65°F) 2013 LEWISTON (KLWS)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0	7	158	510	679	1064	1144	901	698	340	198	47	5746
1985-86	0	12	246	499	1076	1285	791	721	496	430	248	25	5829
1986-87	27	3	192	338	729	932	1016	680	570	255	137	31	4910
1987-88	9	3	35	323	635	961	976	681	634	344	215	87	4903
1988-89	12	0	122	208	666	948	884	1071	572	260	184	18	4945
1989-90	3	14	29	322	531	833	709	703	508	233	198	56	4139
1990-91	0	3	0	371	530	1059	940	478	601	383	276	145	4786
1991-92	3	0	45	441	739	842	831	656	488	328	108	40	4521
1992-93	4	39	122	338	737	993	1172	894	568	439	124	81	5511
1993-94	37	25	105	325	886	891	754	816	561	334	148	70	4952
1994-95	8	0	40	391	790		910	639	628	446	177	97	
1995-96		15	72	477	587	933	950		661	404	331	69	
1996-97	3	2	147	416	729	945	964	740	627	482	145	59	5259
1997-98	12	0	52	405	650	949	863	638	595	419	201	39	4823
1998-99	0	0	46	458	637	941	842	676	651	484	310	114	5159
1999-00	16	16	84	394	559	849	889	699	637	313	203	51	4710
2000-01	10	3	157	470	919	987	949	779	611	491	200	112	5688
2001-02	2	0	31	403	616	928	865	724	745	451	260	72	5097
2002-03	0	10	94	531	694	824	771	749	578	449	261	27	4988
2003-04	0	0	65	308	783	874	954	711	486	321	197	58	4757
2004-05	0	3	74	354	685	833	830	718	526	371	154	82	4630
2005-06	0	0	99	340	733	1019	700	762	622	382	178	15	4850
2006-07	0	10	89	435	658	905	1045	704	501	396	159	51	4953
2007-08	0	7	96	388	748	889	986	680	698	531	168	88	5279
2008-09	0	6	50	386	611	1066	956	704	746	433	196	33	5187
2009-10	2	3	48	503	702	1097	735	621	587	412	322	89	5121
2010-11	8	18	57	353	785	905	867	831	617	568	304	97	5410
2011-12	1	1	22	366	730	976	879	740	637	363	235	74	5024
2012-13	0	0	12	374	588	828	970	667	551	434	169	44	4637
2013-	0	0	87	481	786	1054							

WBAN : 24149

COOLING DEGREE DAYS (base 65°F) 2013 LEWISTON (KLWS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1984	0	0	0	3	11	69	325	322	59	7	0	0	796
1985	0	0	0	0	59	112	468	157	7	0	0	0	803
1986	0	0	0	1	104	210	155	404	31	0	0	0	905
1987	0	0	0	21	62	188	216	224	141	10	0	0	862
1988	0	0	0	2	29	145	293	281	105	19	0	0	874
1989	0	0	0	0	17	131	305	219	66	0	0	0	738
1990	0	0	0	0	12	140	393	337	245	8	0	0	1135
1991	0	0	0	0	0	11	234	317	69	2	0	0	633
1992	0	0	0	0	55	234	243	305	50	8	0	0	895
1993	0	0	0	0	69	55	56	194	105	2	0	0	481
1994	0	0	0	13	49	107	412	322	117	0	0	0	
1995	0	0	0	0	25	65	176	117	117	0	0	0	
1996	0	0	0	0	0	46	315	272	56	3	0	0	692
1997	0	0	0	0	43	41	225	354	105	6	0	0	774
1998	0	0	0	3	18	64	432	361	181	0	0	0	1059
1999	0	0	0	0	16	87	236	345	64	0	0	0	748
2000	0	0	0	0	14	91	286	277	49	0	0	0	717
2001	0	0	0	1	58	72	275	362	131	1	0	0	900
2002	0	0	0	0	13	139	382	187	77	0	0	0	798
2003	0	0	0	0	32	135	437	334	117	14	0	0	1069
2004	0	0	0	0	3	151	399	342	36	1	0	0	932
2005	0	0	0	0	26	71	369	324	45	0	0	0	835
2006	0	0	0	0	71	127	450	296	108	0	0	0	1052
2007	0	0	0	0	27	127	483	280	88	2	0	0	1007
2008	0	0	0	0	53	111	316	296	74	11	0	0	861
2009	0	0	0	0	55	104	360	314	151	0	0	0	984
2010	0	0	0	0	15	54	285	281	68	10	0	0	713
2011	0	0	0	0	6	41	189	336	162	8	0	0	742
2012	0	0	0	12	15	96	398	392	120	1	0	0	1034
2013	0	0	0	0	57	120	431	386	184	0	0	0	1178

SNOWFALL (inches) 2013 LEWISTON (KLWS)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0.0	0.0	0.0	T	0.8	10.0	3.9	13.9	1.1	T	0.0	0.0	29.7
1985-86	0.0	0.0	0.0	T	6.2	3.0	0.8	3.0	0.0	T	0.0	0.0	13.0
1986-87	0.0	0.0	0.0	0.0	1.6	T	2.3	T	0.0	0.0	0.0	0.0	3.9
1987-88	0.0	0.0	0.0	0.0	T	1.2	3.5	T	T	T	0.0	0.0	4.7
1988-89	0.0	0.0	0.0	0.0	7.3	4.5	4.8	5.2	6.7	0.0	0.0	0.0	28.5
1989-90	0.0	0.0	0.0	0.0	0.0	2.0	T	1.4	T	0.0	T	0.0	3.4
1990-91	0.0	0.0	0.0	T	T	5.7	T	0.0	2.0	T	0.0	0.0	7.7
1991-92	T	0.0	0.0	T	T	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1992-93	0.0	0.0	0.0	0.0	3.5	2.8	11.0	5.1	0.8	T	0.0	0.0	23.2
1993-94	0.0	0.0	0.0	0.0	3.1	T	0.0	3.7	T	0.0	0.0	0.0	6.8
1994-95	0.0	0.0	0.0	0.0	1.0		2.2	1.8	T	0.0	0.0	0.0	
1995-96		0.0	0.0		0.0								
1996-97	0.0												
1997-98													
1998-99													
1999-00													
2000-01													
2001-02													
2002-03													
2003-04													
2004-05													
2005-06						3.8	T	0.1	0.2	0.0	T	0.0	
2006-07	0.0	0.0	0.0	0.0	2.5	0.1	1.4	2.6	T	0.0	0.0	0.0	6.6
2007-08	0.0	0.0	0.0	0.0	3.3	3.2	7.0	T	T	T	0.0	0.0	13.5
2008-09	0.0	0.0	0.0	0.0	0.0	12.6	3.0	T	1.7	T	0.0	0.0	17.3
2009-10	0.0	0.0	0.0	0.0	T	2.6	T	0.0	0.0	0.0	T	0.0	2.6
2010-11	0.0	0.0	0.0	0.0	6.7	4.7	0.1	7.7	0.4	0.0	T	0.0	19.6
2011-12	0.0	0.0	0.0	0.0	1.0	0.5	12.0	T	T	T	0.0	T	13.5
2012-13	0.0	0.0	0.0	0.0	T	0.3	2.3	T	T	0.0	0.0	0.0	2.6
2013-	0.0	0.0	0.0	0.0	T	2.5							
POR= 65 YRS	T	0.0	0.0	0.1	1.5	3.5	4.8	2.1	1.1	T	T	T	13.1

WBAN : 24149

REFERENCE NOTES :

<p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</p> <p>GENERAL CONTINUED: WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN</p>	<p>PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY. ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS: http://www.ncdc.noaa.gov/homr/ SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>NOTE: The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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2013 LEWISTON IDAHO (KLWS)

Lewiston is located at the confluence of the Snake and Clearwater Rivers at an elevation of 738 feet above mean sea level. Lower Granite Lake extends from the confluence of the two rivers, 32 miles downstream in the Snake River channel, to Lower Granite Dam. The valley is rather narrow with a range of hills to the north sloping abruptly to about 2,000 feet above the valley floor. To the south the terrain rises more gradually to a more or less flat bench about 700 feet above the valley. The Weather Office is located on the bench at an elevation of 1,413 feet above sea level and about 2 miles south of Lewiston. Although Lewiston is at about the same latitude as Duluth, Minnesota, the climate, especially in the wintertime, is comparatively very mild. This mildness can be explained by its location with respect to the effects of Pacific air masses from the west and by the sheltering effects of the mountains that surround the valley in almost every direction.

Considerable variations in the climate are to be found within relatively short distances from the valley itself. On the prairies surrounding the valley, winter temperatures are much lower and the precipitation is normally almost double that recorded in the valley and at the airport location.

Precipitation normally amounts to about 13 inches annually, which is rather evenly distributed through the year except for the months of July and August, which are characterized by infrequent thunderstorms that usually drop only small amounts of rain. Records show that several times during these two months not more than a trace of rain has been recorded and at times not even a trace. The thunderstorms on the prairie are, at times, accompanied by heavy hail and windstorms. Snowfall in the valley averages about 18 inches during the year, concentrated mostly in the three months of December, January, and February, but in the higher country surrounding the valley the snowfall is much heavier.

Most of the precipitation reaching this vicinity results from strong invasions of moist air from the North Pacific source region. Greatest amounts of both rain and snow occur when this moist air is overrunning a weak front that has become stationary along an east-west line a short distance south of the area.

Temperatures show a wide range from more than 115 degrees to less than -20 degrees. Many winters have gone by without a temperature of zero being recorded in the valley, but the prairie sections usually experience lower temperatures. The summers experience hot and dry periods with as many as 10 consecutive days with afternoon temperatures reaching 100 degrees or more. Considerable cooling after sunset makes the nights very comfortable. Cold waves occur when arctic air, originating in the Yukon Territory, moves southward. Such cold waves are relatively infrequent when compared to the number of arctic outbreaks east of the continental divide in Montana only a short distance away.

Winds are light, usually prevailing from the east, with occasional stronger winds accompanying the well-developed frontal systems from the west.

Relative humidity averages about 70 percent during the winter months and gradually lowers to about 40 percent during July and August.

The growing season of approximately 200 days in this part of the country, makes conditions favorable for the growing of many types of fruits, vegetables, and berries.

Station History

LEWISTON, ID

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
LEWISTON NEZ PERCE COUNTY AP	1974-11-01	1986-03-19	46° 22'	-117° 1'	1413		AIRWAYS, COOP, USHCN, WXSVC
LEWISTON NEZ PERCE COUNTY AP	1986-03-19	1995-07-01	46° 22'	-117° 1'	1436		AIRWAYS, COOP, USHCN, WXSVC
LEWISTON NEZ PERCE COUNTY AP	1995-07-01	2004-08-10	46° 22'	-117° 0'	1436	.2 MI SSW	ASOS, COOP, USHCN
LEWISTON NEZ PERCE COUNTY AP	1946-11-18	1948-01-01	46° 22'	-117° 1'			AIRWAYS
LEWISTON NEZ PERCE COUNTY AP	1948-01-01	1950-12-31	46° 22'	-117° 1'	1421		AIRWAYS, COOP, USHCN
LEWISTON NEZ PERCE COUNTY AP	2004-08-10	2006-07-31	46° 22'	-117° 0'	1436		ASOS, COOP, USHCN
NEZ PERCE COUNTY AP	1946-10-01	1946-11-18	46° 22'	-117° 1'			AIRWAYS
LEWISTON NEZ PERCE COUNTY AP	2006-07-31	Present	46° 22'	-117° 0'	1436		AIRSAMPLE, ASOS, COOP, USHCN

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1974-11-01	1976-09-01	DAILY	2400	UNIV	RCRD	
TEMP	1974-11-01	1976-09-01	DAILY	2400			
TEMP	2004-08-10	Present	DAILY	2400	ATEMP		
PRECIP	2004-08-10	Present	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	1995-07-01	2004-08-10	DAILY	2400	TB	RCRD	
TEMP	1995-07-01	2004-08-10	DAILY	2400	HYGR		
PRECIP	2004-08-10	Present	DAILY	2400	PCPNX		
PRECIP	1946-10-01	1950-12-31	DAILY	2400	UNIV	RCRD	
PRECIP	1976-09-01	1995-07-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1976-09-01	1995-07-01	DAILY	2400	UNIV	RCRD	
PRECIP	1995-07-01	2004-08-10	HOURLY	2400	TB	RCRD	
TEMP	1976-09-01	1995-07-01	DAILY	2400			
TEMP	1946-10-01	1950-12-31	DAILY	2400			

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : ncdc.orders@noaa.gov

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

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