NWS Form E-5 (04-2006) (PRES. BY NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) Burlington VT
MONTHLY REPORT OF HYDROLOGIC CONDITIONS		REPORT FOR: MONTH August YEAR 2015
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		SIGNATURE /s/ Gregory A. Hanson, SH WFO BTV DATE 9/14/2015

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

X	An X inside this box indicates that no flooding occurred within this hydrologic service area.

August was a quiet month from a hydrologic standpoint, with below normal precipitation (Figs 1, 2, & 3) and river flows trending below normal (Fig 4). The exception was northeast and east central Vermont and the Saint Lawrence Valley in northern New York where rainfall totals were near normal. Drought conditions began to develop in the southern portion of Vermont and the northern Adirondacks as dryness set in.

Scattered showers and thunderstorms on August third produced locally heavy rainfall. A flood advisory was issued for southeast Lamoille, northeast Washington, and west central Caledonia Counties in Vermont, and a flash flood warning for northern Orleans County in Vermont. No flooding was reported.

The first notable rainfall in August was on the 10th and 11th as a slow moving cold front passed through the region. Nearly two inches of rain fell along New York's Canadian border, ameliorating developing drought conditions in that region. Elsewhere, a half to one inch of welcome rains fell. Rivers in the heavier rainfall footprint saw minor rises of one to three feet but remained well below flood stage.

The second rainfall event on August 20 and 21 was along another slow moving north/south oriented cold front. Rainfall totals of ½ to 1 inch did little to add to river flows.

The final significant event was on August 25 as thunderstorms with heavy rainfall developed along a front in eastern Vermont. One to over two inches of rain fell in the Connecticut River drainage basins in southern Caledonia, Orange, and northern Windsor counties in Vermont. Rivers saw modest rises from the rainfall, and returned to near normal flow.

Aside from these three rain events only spotty convective showers and thunderstorms produced very localized precipitation with little impacts to river flows or easing the dry conditions.

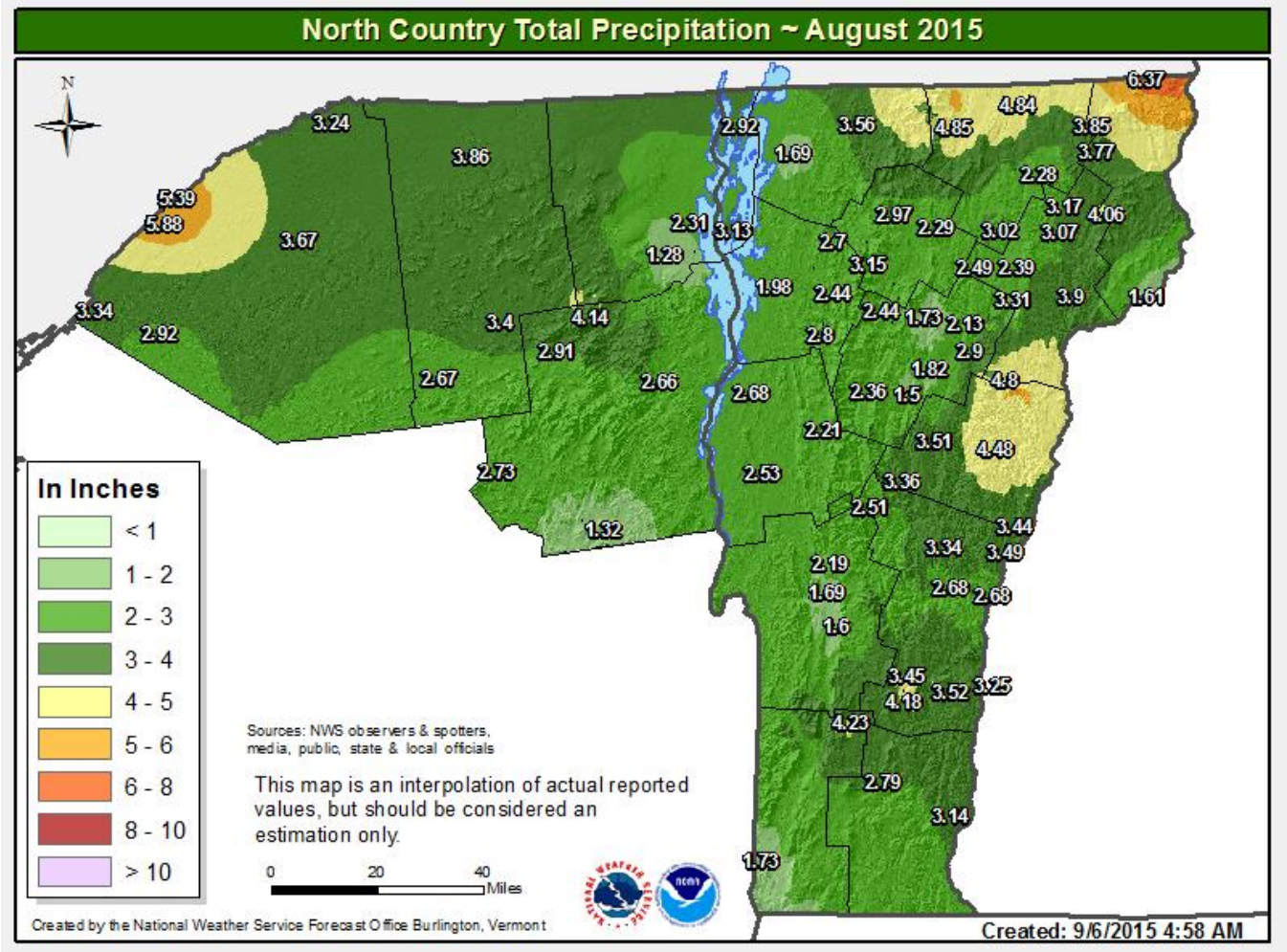
North Country Total Precipitation ~ August 2015
N
In Inches
< 1
1 - 2
2 - 3
3 - 4
4 - 5
5 - 6
6 - 8
8 - 10
> 10
Sources: NWS observers & spotters, media, public, state & local officials
This map is an interpolation of actual reported values, but should be considered an estimation only.
0 20 40 Miles
Created by the National Weather Service Forecast Office Burlington, Vermont
Created: 9/6/2015 4:58 AM
3.24
3.86
5.39
5.88
3.67
3.34
2.92
3.4
4.14
2.91
2.67
2.66
2.73
1.32
2.92
1.69
2.31
3.13
1.28
1.98
2.7
3.15
2.8
2.68
2.53
2.21
2.44
2.44
1.73
2.13
2.9
1.82
2.36
1.5
3.56
4.85
4.84
6.37
3.85
3.77
2.28
3.17
4.06
2.97
2.29
3.02
3.07
2.49
2.39
3.31
3.9
1.61
4.8
3.51
4.48
3.36
2.51
3.44
3.34
3.49
2.19
1.69
2.68
2.68
1.6
3.45
4.18
3.52
3.25
4.23
2.79
3.14
1.73

Figure 1

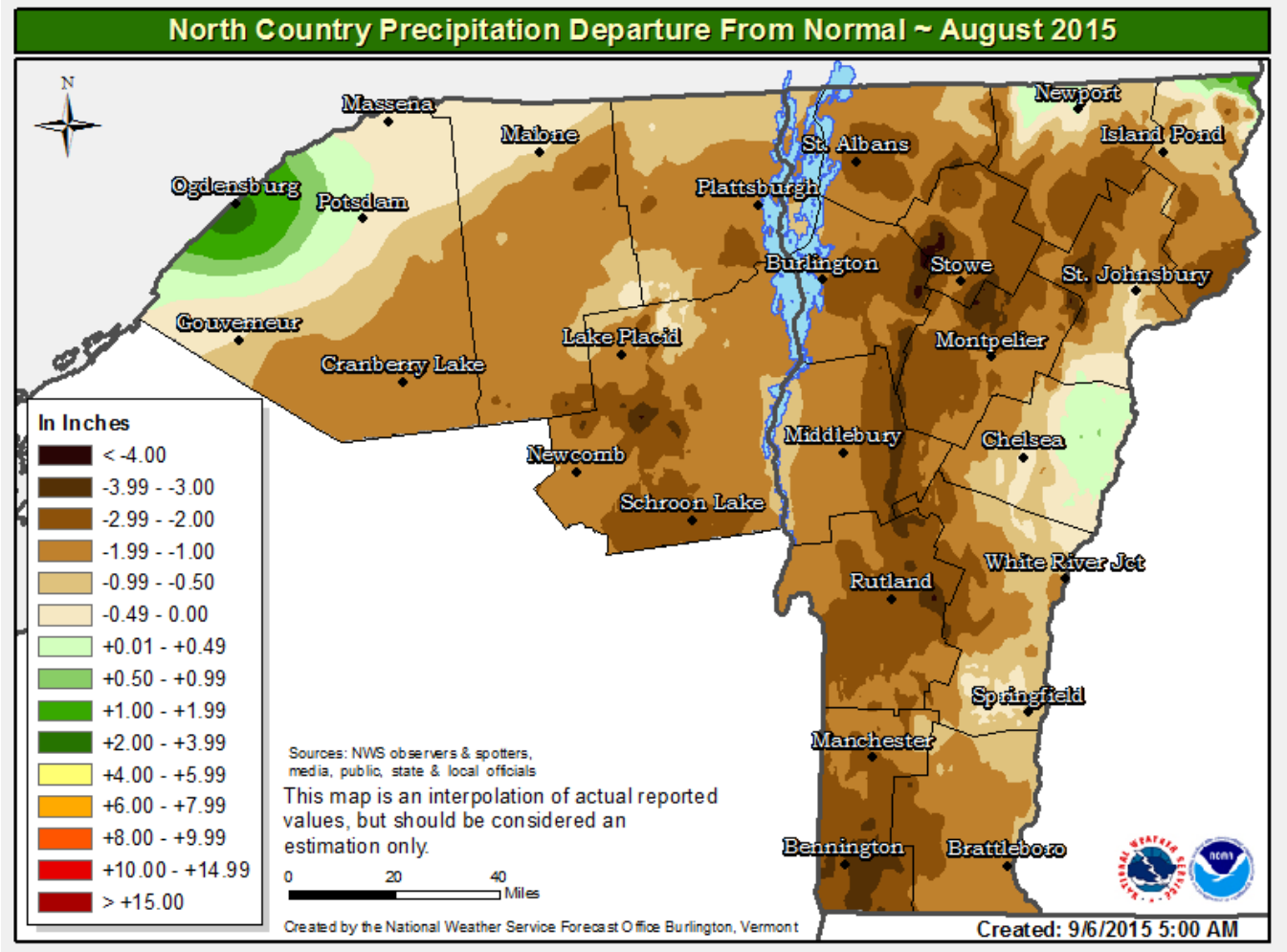
North Country Precipitation Departure From Normal ~ August 2015
N
Massena
Malone
Ogdensburg
Potsdam
Plattsburgh
St. Albans
Newport
Island Pond
Burlington
Stowe
St. Johnsbury
Gouverneur
Lake Placid
Montpelier
Cranberry Lake
Middlebury
Chelsea
Newcomb
Schroon Lake
White River Jct
Rutland
Springfield
Manchester
Bennington
Brattleboro
In Inches
< -4.00
-3.99 - -3.00
-2.99 - -2.00
-1.99 - -1.00
-0.99 - -0.50
-0.49 - 0.00
+0.01 - +0.49
+0.50 - +0.99
+1.00 - +1.99
+2.00 - +3.99
+4.00 - +5.99
+6.00 - +7.99
+8.00 - +9.99
+10.00 - +14.99
> +15.00
Sources: NWS observers & spotters, media, public, state & local officials
This map is an interpolation of actual reported values, but should be considered an estimation only.
0 20 40 Miles
Created by the National Weather Service Forecast Office Burlington, Vermont
Created: 9/6/2015 5:00 AM

Figure 2

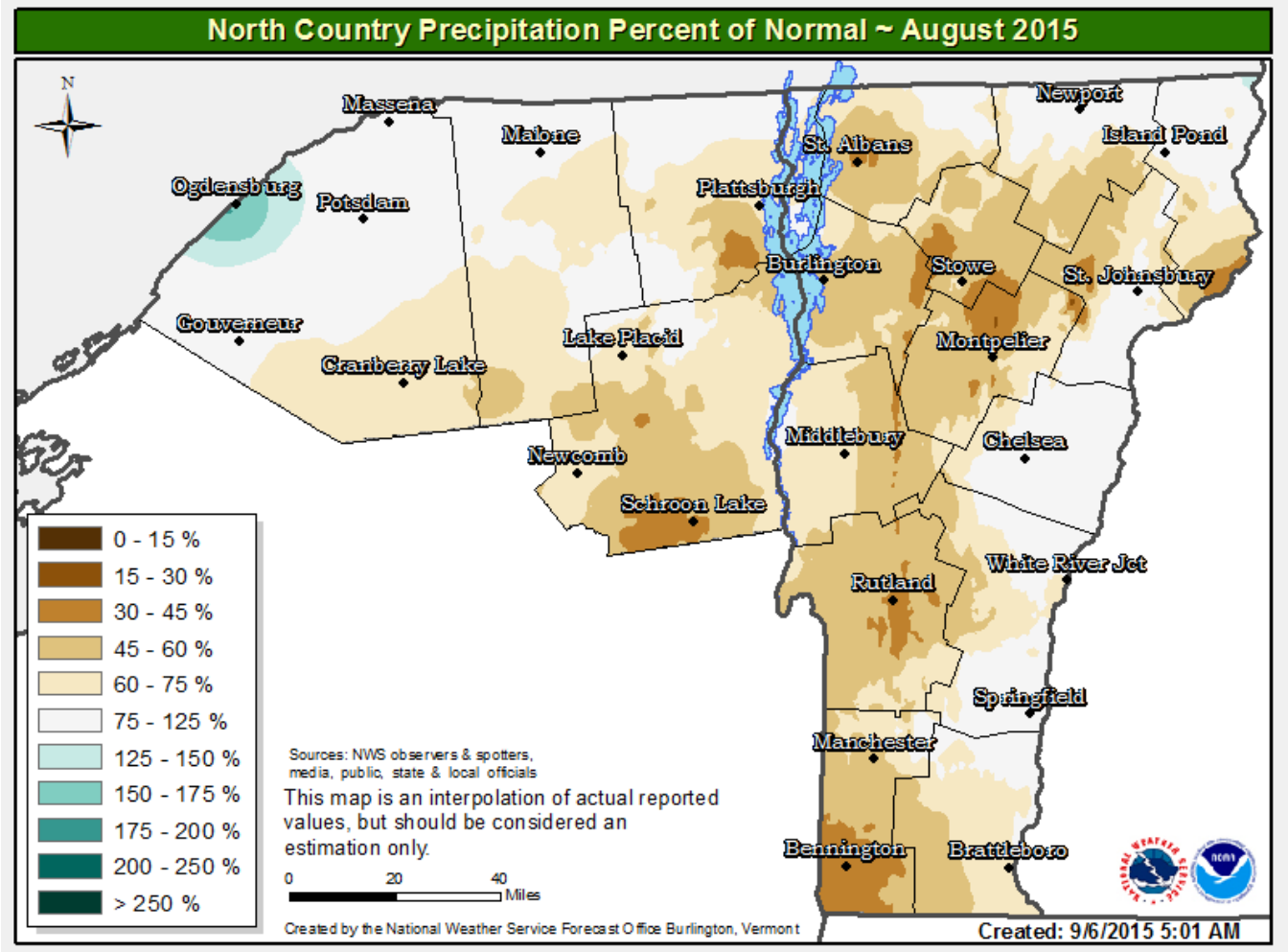
North Country Precipitation Percent of Normal ~ August 2015
N
Massena
Malone
Ogdensburg
Potsdam
Plattsburgh
St. Albans
Newport
Island Pond
Burlington
Stowe
St. Johnsbury
Gouverneur
Lake Placid
Montpelier
Cranberry Lake
Middlebury
Chelsea
Newcomb
Schroon Lake
White River Jct
Rutland
Springfield
Manchester
Bennington
Brattleboro
0 - 15 %
15 - 30 %
30 - 45 %
45 - 60 %
60 - 75 %
75 - 125 %
125 - 150 %
150 - 175 %
175 - 200 %
200 - 250 %
> 250 %
Sources: NWS observers & spotters, media, public, state & local officials
This map is an interpolation of actual reported values, but should be considered an estimation only.
0
20
40
Miles
Created by the National Weather Service Forecast Office Burlington, Vermont
Created: 9/6/2015 5:01 AM

Figure 3

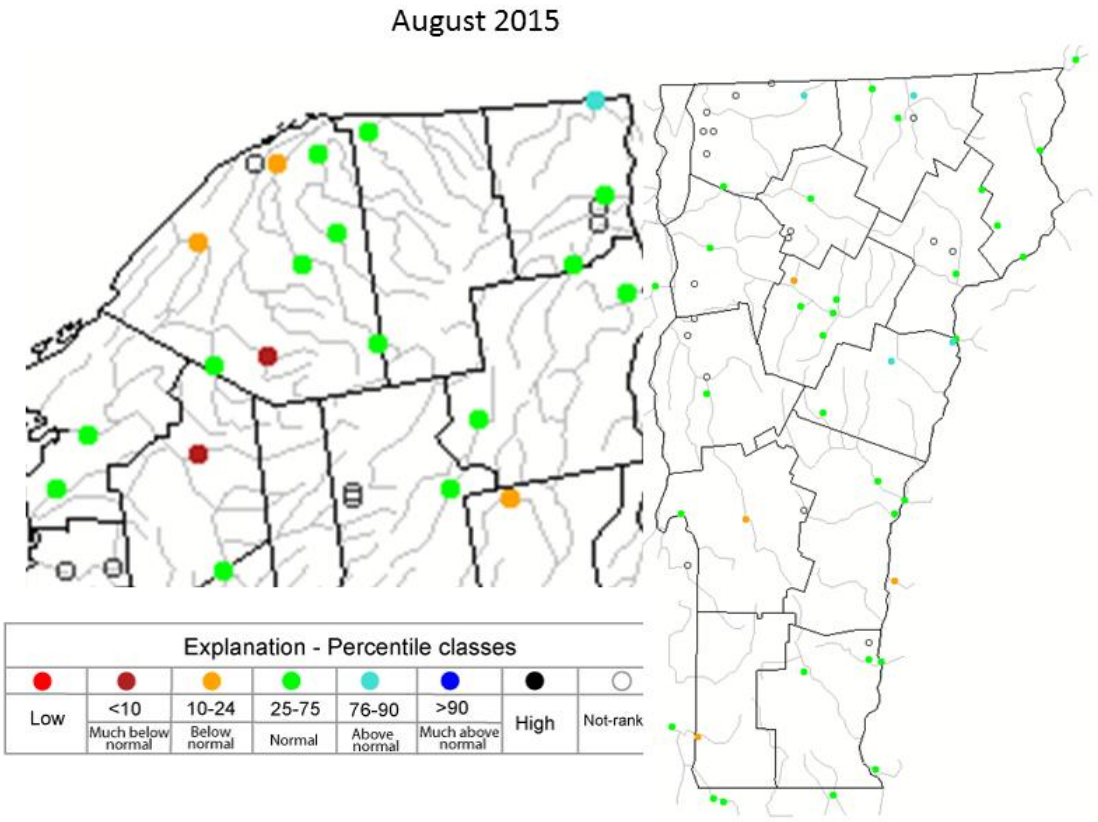

Figure 4, Monthly mean streamflow compared to historical streamflow for August 2015

Significant River Crests
July 2011
WFO Burlington VT

-none-