

U. S. DEPARTMENT OF COMMERCE

CHARLES SAWYER, Secretary

WEATHER BUREAU

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CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

ANNUAL SUMMARY 1951

Volume LV No. 13



MARYLAND AND DELAWARE - 1951

G. N. Brancato, Section Director - Baltimore, Md.

WEATHER SUMMARY

Mild temperatures, abundant rain and little snow characterized the weather of 1951.

November was the only month with mean temperature averages below normal, while January, February, October and December were well above normal. The growing season was long, running from the last killing frost in spring during the last half of April to the first killing frost of autumn in the early part of November for most areas. As a result, frost damage to crops was minor. On December 7th, an 80-degree reading at Westernport, Maryland, set a new high temperature record for December for Maryland, while a temperature of 76 degrees, on the same date at Lewes, Delaware, equalled that State's previous high temperature record for December.

Precipitation was abundant through most of the year. Maryland's June rainfall averaged the highest of any June of record but there were no serious floods. August, September and October were dry in most areas but the dryness came late and did not affect crop development seriously.

Monthly snowfall totals were light throughout the year, the lone exception being above normal amounts in Maryland during December. The deficiency was particularly pronounced from January to April.

There were no hurricanes sufficiently close to the Maryland-Delaware coast to cause any unusual high winds or high tide damage.

The number of thunderstorms during the year was about average.

January: Mean temperatures were well above normal for the third successive January, but they averaged some eight degrees below the record-breaking warmth of January one year earlier. Precipitation totals were somewhat below normal but there was considerable variation in amounts over the area. Snowfall was somewhat below that regularly received, except in extreme western Maryland where it was about typical for January.

February: Continuing a pattern of mildness, also for the third successive February, mean temperatures from all stations averaged about three degrees above normal. Precipitation totals varied considerably and averaged about one-tenth of an inch below normal. Falls of snow were exceptionally light.

March: Both mean temperatures and precipitation totals averaged near normal this month, but snowfall totals continued very light.

April: Precipitation totals and mean temperature averages continued close enough to normal to be considered normal. Precipitation varied considerably in the Section but temperature averages showed only slight deviation from normal.

May: As in April, mean temperatures were near normal and precipitation totals varied considerably.

June: Record-breaking rainfall in Maryland, especially in and near the District of Columbia, was the outstanding feature of this month. Thunderstorms were more common than usual. Mean temperatures averaged near normal.

July: Rainfall totals were slightly below normal as the late summer dry period started. Mean temperatures averaged slightly above mid-summer normals.

August and September: Precipitation was considerably below normal and mean temperatures averaged near normal during these months.

October: This was a warm month with some area having precipitation totals near normal and others having record-breaking deficiencies.

November: This was the only 1951 month with mean temperatures well below normal and the coldness approached November records in that respect. Precipitation was heavy with average amounts just under record levels. Snowfall was light.

December: Although precipitation continued heavy as it did in November, temperatures reversed from the near record coldness of the preceding month to values well above normal. Snowfall was slightly below normal in Delaware and almost twice the normal in Maryland. - H.L.A.

See Page 199 for Acknowledgments

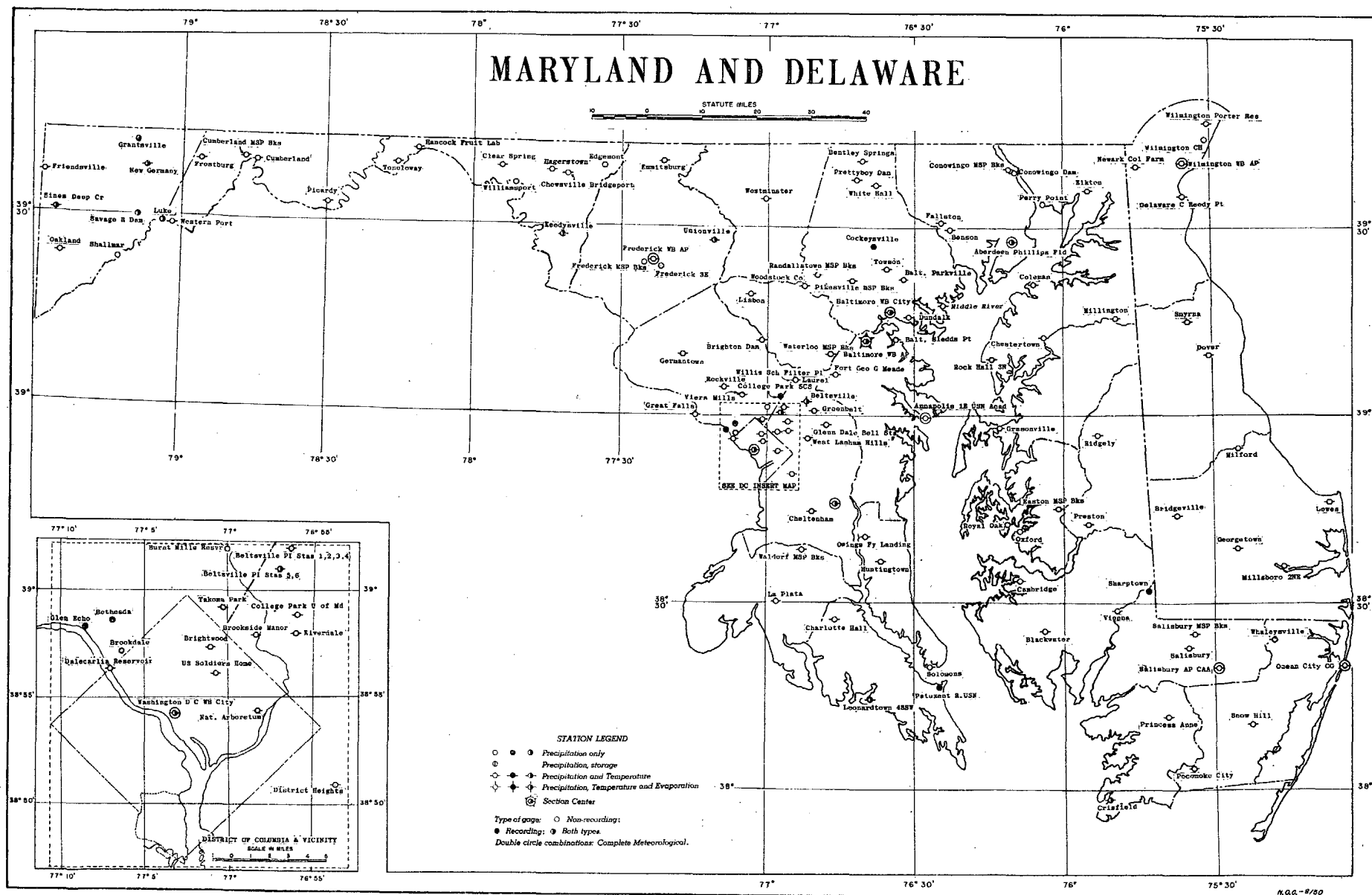


Table 1

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1951

Station	January	February	March	April	May	June	July	August	September	October	November	December	Annual													
Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure													
ABERDEEN PHILLIPS FLD	34.4	2.1	35.6	2.2	42.5	.2	51.5	.0	62.3	-.1	70.5	-.9	75.6	.0	73.7	-.1	66.6	-1.5	59.1	2.9	40.6	-4.9	37.0	2.1	54.1	.1
ANNAPOLIS U S N ACADEM	37.3	2.9	36.3	1.4	42.9	.5	53.6	.5	63.0	-1.0	72.3	-.7	77.3	.0	78.0	.2	70.1	.5	61.6	3.5	43.6	-3.5	40.0	2.9	56.2	.6
ANNAPOLIS WATER WORKS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALTIMORE BLISS PT	37.7	-	37.4	-	44.6	-	54.9	-	64.6	-	72.8	-	77.3	-	75.4	-	68.8	-	60.4	-	42.2	-	37.3	-	56.2	-
BALTIMORE WB AIRPORT	36.9	3.6	36.5	1.8	43.3	-1.2	53.8	.2	63.4	-1.8	72.0	-1.7	77.3	-	74.8	-1.7	68.3	-1.0	59.9	1.5	41.6	-6.0	38.4	1.6	55.5	.1
BALTIMORE WB CITY	38.8	4.0	38.0	2.4	45.1	1.6	55.5	1.8	65.0	.3	73.6	-3	79.0	1.2	78.7	1.0	70.5	1.2	61.9	3.7	44.0	-3.0	41.1	3.6	57.4	1.5
BALTIMORE PARKVILLE	35.7	2.3	34.7	1.1	41.3	-1.3	51.5	-	61.2	-	70.0	-	75.1	-	73.2	-	66.1	-	58.1	2.7	40.5	-4.9	36.5	1.4	53.7	-
BELTSVILLE PLT IND ST1	35.2	-	35.0	-	41.3	-	51.4	-	61.1	-	69.5	-	74.6	-	72.6	-	66.6	-	58.2	-	40.3	-	36.0	-	53.5	-
BELTSVILLE PLT IND ST2	35.1	-	35.1	-	41.4	-	51.0	-	61.1	-	69.7	-	74.5	-	72.3	-	66.4	-	57.9	-	40.8	-	36.4	-	53.5	-
BELTSVILLE PLT IND ST3	36.1	-	35.8	-	42.2	-	52.3	-	62.1	-	70.5	-	75.4	-	73.5	-	67.4	-	58.8	-	41.2	-	37.0	-	54.4	-
BELTSVILLE PLT IND ST4	36.4	-	35.9	-	42.4	-	52.7	-	63.3	-	71.2	-	76.4	-	74.1	-	68.5	-	59.4	-	41.4	-	37.2	-	54.9	-
BELTSVILLE PLT IND ST5	35.2	-	34.9	-	40.9	-	50.7	-	61.0	-	69.8	-	74.7	-	72.4	-	66.4	-	57.6	-	40.9	-	36.4	-	53.4	-
BELTSVILLE PLT IND ST6	37.0	-	36.3	-	42.5	-	53.4	-	63.0	-	71.3	-	76.5	-	74.4	-	68.1	-	59.6	-	42.0	-	37.7	-	55.2	-
BENSON POLICE BRKS	34.3	-	35.8	-	42.0	-	51.9	-	62.7	-	70.6	-	74.7	-	72.7	-	66.8	-	59.1	-	41.4	-	36.5	-	54.1	-
BENTLEY SPRINGS	33.4	-	33.4	-	40.4	-	50.0	-	60.7	-	68.4	-	72.6	-	70.7M	-	64.7	-	55.9	-	38.6	-	34.6	-	52.0	-
BERLIN	37.1M	-	37.2	-	43.7	-	53.7	-	63.1	-	71.0	-	75.7	-	73.4	-	68.8	-	61.0	-	45.6	-	42.2	-	54.8	-
BETHESDA NIB	37.7	-	37.8	-	42.8	-	52.6	-	62.6	-	71.4	-	75.7	-	73.2	-	68.4	-	60.4	-	44.4	-	41.1	-	54.1	-
BLACKWATER REFUGE	36.3	-	36.3	-	42.5	-	52.2	-	61.7	-	69.8	-	73.1	-	73.2	-	66.7	-	58.0	-	41.1	-	36.7	-	54.1	-
BRIGHTON DAM	38.3	-	38.1	-	44.2	-	55.1M	-	65.0	-	72.9	-	78.8	-	75.6	-	69.9	-	60.6	-	43.1	-	39.4	-	56.7	-
BRIGHTWOOD DC	37.5	-	37.9	-	44.7	-	54.7	-	64.0M	-	70.9M	-	77.7	-	74.3M	-	69.1	-	60.4	-	42.5	-	39.2	-	56.6	-
BROOKSIDE HAYOR	38.2	2.7	39.1	2.9	42.3	-	53.2	-	63.1	-	71.7	-	76.9	-	74.2	-	69.4	-	61.3	-	45.0	-	40.3	-	56.6	-
CAMBRIDGE S Y	40.2	6.4	39.4	4.5	45.7M	-	54.6	-	63.1	-	71.4	-	76.2	-	73.3	-	67.9	-	60.5	-	44.8	-	41.5	-	58.5	-
CHARLOTTE HALL	37.4	2.9	36.2	1.1	43.1	-1.5	53.1	-	62.0	-	71.2	-	76.1	-	73.4	-	67.4	-	59.4	-	42.6	-	35.7	-	56.0	.8
CHELTENHAM	37.4	4.3	36.9	3.7	43.9	.6	54.2	1.8	63.8	.2	72.2	.7	77.5	1.3	75.9	1.5	70.2	1.8	60.8	4.1	43.6	-2.4	39.8	3.9	56.3	1.7
CHESTERSTOWN	34.5	2.5	32.9	3.5	42.1	.9	52.1	1.3	61.4	.9	70.4	1.0	74.4	1.4	72.0	1.6	66.1	2.7	57.4	3.0	39.3	-3.7	34.6	1.7	53.2	1.0
CLEAR SPRING	34.3	3.1	36.0	5.3	42.3M	1.1	52.2	1.1	63.0	1.3	70.9	1.6	75.2	1.0	72.2M	1.0	66.8	5.5	58.8	4.4	39.8	-3.6	34.0	3.9	54.0	1.6
COLEMAN	37.4	3.6	37.6	3.6	44.5	.8	54.8	1.7	64.6	.8	72.0	1.7	77.8	1.1	76.4	1.7	69.2	3.9	60.5	2.8	44.5	-2.5	40.5	4.2	56.5	.8
COLLEGE PARK U OF MD	37.4M	3.5	37.8	3.0	44.9	.9	53.9	1.7	63.8	.6	72.4	.8	77.5	1.8	74.5	1.5	68.5	4.6	60.3	3.9	42.8	-2.6	39.6	3.3	56.1	1.4
CONOWING DAM	32.7	2.7	34.1	2.6	41.3	.1	51.1	.0	61.6	-1.0	69.8	-	75.1	.5	73.8	-	66.3	-	58.3	3.5	40.7	-3.3	35.7	2.3	53.4	.6
CONOWING POLICE BRKS	32.1	-	32.1	-	41.2	-	50.9	-	61.0	-	69.2	-	76.9	-	74.2	-	68.2	-	58.9	-	42.4	-	37.6	-	53.7	-
CRISFIELD	41.1	2.8	40.6	1.3	46.0	-1.1	57.0	1.2	66.1	.3	74.0	-	78.0	2.2	77.7	.8	73.3	1.0	64.4	3.1	48.9	-2.0	44.9	4.0	59.6	1.2
CUMBERLAND	34.2	2.8	35.8	2.6	43.2M	2.5	51.7	.4	62.1	-.9	70.4	-.5	74.5	.0	72.0	-.5	67.1	1.1	57.9	3.3	38.7	-4.4	34.5	4.3	53.5	.5
CUMBERLAND POLICE BRKS	32.9	-	35.0	-	41.8	-	51.8	-	61.8	-	69.4	-	73.6	-	70.3	-	64.6	-	55.5	-	38.2	-	34.0	-	54.8	-
DALECARLIA RESERVOIR D	38.4	-	38.3M	-	45.0	-	54.2	-	64.5M	-	72.8	-	77.8	-	75.8M	-	69.2M	-	60.0	-	43.4	-	39.4M	-	56.6	-
DISTRICT HEIGHTS	39.0	-	38.0	-	44.1	-	54.7	-	63.8	-	71.8	-	77.1	-	75.8M	-	68.7	-	60.1	-	43.5	-	40.3	-	57.0	-
DUNDALK	38.5	3.8	38.1	3.2	45.0	-	55.5	-	65.0	-	73.0	-	78.0	-	75.8M	-	70.0	-	61.7	-	44.0	-	40.3	-	57.0	-
EASTON POLICE BRKS	38.9	2.9	39.3	4.0	44.6	.2	54.7	1.3	63.5	.3	72.4M	1.6	78.3	2.0	75.5	1.9	71.1	2.3	60.0	3.3	44.8M	-2.2	39.8M	2.7	57.1	1.7
ELKTON	35.3	2.3	36.6	3.2	42.8	.4	53.3	1.5	63.1	-1.1	71.1	-.7	75.8	-	73.9	-	67.7	-	59.2	-	42.0	-	38.7	-	54.8	.6
EMMITTSBURG	34.0	2.8	33.9	1.5	41.4	.5	51.8	-1	63.3	1.0	71.2	-	76.1	-	73.8	-	67.8	-	58.9M	3.6	40.5	-3.2	36.3	2.6	53.3	.5
FALLSTON	33.3	1.8	34.0	2.2	40.7	.2	51.1	.2	61.2	-.5	68.7	-1.2	74.4	-	72.8	-	67.0	-	58.0	3.6	40.4	-3.7	36.8	2.6	53.3	.5
FORT GEORGE G MEADE	36.2	-	35.5	-	42.3	-	52.3	-	62.7	-	70.8	-	75.9	-	73.2	-	68.4	-	59.4	-	41.8	-	37.8	-	54.1	-
FREDERICK POLICE BRKS	34.8	2.4	34.8	1.5	42.3	-.3	52.7	-1	62.7	-1.0	70.8	-1.3	75.9	-	73.2	-1.4	66.4	-1.3	57.9	2.0	38.8	-5.7	-	-	54.7	.0
FREDERICK WB AIRPORT	35.1	-	35.5	-	42.9	-	52.4	-	62.6	-	71.7	-	77.2	-	74.0	-	68.4	-	59.3	-	41.3	-	35.7	-	54.7	.0
FRIENDSVILLE	32.7	-	34.0	-	39.4	-	48.4	-	58.7	-	66.5	-	72.4	-	70.8	-	64.7	-	56.0	-	35.0	-	31.8	-	53.8	-
FROSTBURG	36.6	2.5	32.9	2.4	42.1	.9	52.1	1.3	61.4	.9	70.4	1.0	74.4	1.4	72.0	1.6	66.1	2.7	57.4	3.0	39.3	-3.7	34.6	1.7	53.2	1.0
GERMANTOWN	36.7	3.5	35.9M	1.3	43.2M	-.2	53.1	.6	62.7	-1	70.4	-.9	75.5	-	73.0	-	67.8M	-	58.5	-	41.1	-	37.8	-	54.1	-
GLEN DALE BELL STA	36.7	3.0	36.9	1.9	43.5	-.6	53.0	1.2	62.5	-.7	71.4	-.6	76.1	.4	73.4	-.2	67.8	-.4	59.1	3.4	42.1	-3.6	38.5	2.8	55.1	.5
GRANOVILLE	-	-	-	-	45.0	-	55.2M	2.1	64.0	-.3	72.8	-.4	77.8	-.4	74.6	-.8	69.7	-.8	60.7	1.9	44.0	-5.1	39.8M	1.0	-	-
GREENBELT	35.7	-	35.0	-	41.0M	-	52.0M	-	62.0	-	70.6M	-	75.5	-	72.4M	-	66.7	-	58.3M	-	40.7	-	36.5	-	53.8	-
HAGERSTOWN	34.5	-	34.5	-	42.3	-	52.4	-	62.9	-	71.5	-	75.9	-	73.3M	-	67.8	-	58.4	-	39.4	-	35.4	-	54.0	-
HANCOCK FRUIT LAB	30.8	1.2	32.5	2.9	39.5	-2.3	49.3	-3.2	60.6	-2.7	69.3	-1.8	73.9	-	70.8	-2.3	64.4	-2.9	55.5	5.3	37.2	-6.5	31.1	-2.2	51.4	-1.7
HUNTINGTOWN	39.8	4.7	38.7	1.7	44.2	-	54.2	1.0	63.1	-1.5	71.3	-	76.1	-	73.8	-	68.9	-	60.7	3.1	44.2	-3.9	40.7	3.0	58.3	.5
KEDYSVILLE	35.7	3.4	36.0	2.8	43.0	-	52.6	-	62.0	-1.4	71.9	-	76.5	-	74.6	-	68.9	-	59.8	1.2	39.8	-4.3	35.3	1.0	54.7	.7
LA PLATA	40.0	3.9	38.8	1.6	45.2	-	54.7	-	63.2	-	72.8	-	76.9	-	74.0	-	68.9	-	61.2	3.4	44.0M	-3.5	39.6	1.7	56.6	.4
LAUREL 3 W	37.5	4.4	37.1	3.5	43.8	.6	53.9	1.3	64.0	-.9	72.0	-.4	77.7	-.7	75.4	-.4	68.6	-.8	59.5	3.1	44.9	-1.7	40.7	3.8	57.4	1.2
LEONARDSTOWN 4 SW	40.2	4.1	40.2	3.4	45.6	.3	55.5	1.1	64.2	-.6	73.5	-.4	77.7	-.7	75.4	-.4	68.6	-.8	59.5	3.1	44.9	-1.7	40.7	3.8	57.4	1.2
LISBON	33.8	2.4	34.5	2.5	40.8	.1	51.1	.6	61.7	-.2	70.0	-.0	75.5	-.5	73.0	-.6	66.9	-1.2	58.9	1.6	38.2	-				

Table 1-Continued

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1951

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure
DELAWARE																										
BRIDGEVILLE	39.0	3.6	36.7	3.3	43.6	-.6	53.1	.1	62.4	-.9	71.7	.2	76.3	.4	73.4	-.8	67.3M	-1.3	59.9	2.5	44.5	-2.3	41.1	3.7	55.9	.6
CLAYTON	-	-	-	-	-	-	-	-	63.8	-	72.0	-	77.3	-	75.6	-	69.4M	-	61.1M	-	43.9	-	-	-	-	-
DELAWARE CITY REEDY PT	36.9	3.2	37.0	3.0	43.7	1.7	53.4	1.1	63.8	-.5	71.3	-.8	74.8	-1.7	73.6	-1.2	66.7	-2.0	59.8	2.1	42.8	-3.5	38.4M	3.3	55.2	-.4
DOVER	37.5	2.3	37.6	2.1	44.5	1.1	54.3	1.1	63.9	-.2	72.2	-.3	77.3	-.7	75.3	-.6	69.5	-.7	60.8	3.3	45.0	-1.5	41.7	4.7	56.6	1.2
GEORGETOWN	39.5	-	39.3	-	43.6	-	53.5	-	62.7	-	71.8	-	77.0	-	74.1	-	67.9	-	59.6	-	44.7	-	41.2	-	56.2	-
LEWES	39.1	-	38.4	-	42.9	-	52.6	-	61.5	-	70.4	-	75.1	-	73.6	-	68.1	-	59.6	-	44.9	-	40.8	-	55.6	-
MILFORD	39.7M	3.8	37.7	1.9	-	-	-	-	71.5	-	71.5	-	76.7	-	73.1	-	68.6	-	60.4	2.2	44.8	-2.8	40.8	2.7	-	-
MILLSBORO	39.6	3.7	39.3	3.3	43.4	-1.1	53.4	-.5	62.4	-	70.9	-.8	76.1	-.9	73.7	-1.0	69.0	-.1	-	-	-	-	38.1M	3	-	-
NEWARK COLLEGE FARM	35.0	4.0	35.6	5.6	41.9	-.8	51.5	-.4	62.4	-.3	70.1	-.2	75.1	-.3	73.3	-.6	66.8	-.4	58.4	3.0	41.2	-2.5	37.1	3.9	54.0	1.4
SMYRNA	37.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILMINGTON CASTLE WB AP	34.2	-	34.8	-	41.5	-	51.6	-	61.9	-	70.4	-	75.9	-	73.8	-	67.0	-	59.1	-	41.5	-	37.6	-	54.1	-.1
WILMINGTON PORTER RESV	35.0	2.3	35.1	2.5	41.4	-.9	51.7	-.4	61.9	-1.1	69.8	-1.5	75.0	-1.0	73.1	-	66.8	-1.3	59.0	2.2	41.3	-4.4	37.8	2.6	54.0	-.1
STATE AVERAGE	37.5	2.5	37.3	2.7	42.9	-.7	52.8	.2	62.7	-.5	71.1	-.4	76.1	.0	74.0	-.4	67.9	-.6	59.8	2.2	43.5	-3.2	39.6	2.9	55.4	.4
SECTION AVERAGE	36.7	3.1	36.8	3.2	43.1	-.2	53.0	.7	62.7	-.2	71.0	.1	76.0	.7	73.7	-.2	67.9	-.3	59.3	2.8	42.2	-3.2	38.4	3.0	55.1	.8

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages—mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about \$250,000 per year between 1940 and 1944, and nearly \$375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about \$100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about \$25,000 per year to meet the increasing needs

of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D. C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1951

Table 2

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure
ABERDEEN PHILLIPS FLD	2.88	-.27	3.86	-.86	3.76	-.53	2.23	-1.13	2.56	-1.01	5.57	1.99	4.20	-.12	1.08	-3.50	1.08	-2.26	2.25	-.29	6.05	3.24	5.38	2.71	40.60	-.75
ANNAPOLIS U S N ACADY	1.65	-1.72	2.62	-.59	2.30	-1.40	3.86	-.21	2.90	-1.14	8.86	4.83	2.20	-2.11	1.73	-2.79	1.39	-2.40	2.21	-.95	5.60	2.78	4.85	1.51	40.27	-3.77
BALTIMORE BLEDDIS PT	2.94	-	3.29	-	2.91	-	4.07	-	3.30	-	9.61	-	1.12	-	2.80	-	2.37	-	1.80	-	5.74	-	6.08	-	43.38	-
BALTIMORE WB AIRPORT R	2.88	-.85	3.36	-.56	3.70	-.22	3.69	-.16	3.92	-.07	8.80	5.11	1.84	-2.55	.77	-3.57	4.13	-.86	2.02	-1.34	6.20	2.94	4.49	1.36	45.80	2.83
BALTIMORE WB CITY	2.85	-.59	3.56	-.37	3.21	-.49	3.63	-.10	3.84	-.23	9.14	5.37	3.11	-1.31	.77	-3.74	3.48	-.05	2.29	-.72	6.03	3.20	5.02	1.89	46.93	4.26
BALTIMORE PARKVILLE	2.43	-	2.96	-	3.39	-	4.79	-	3.38	-	6.39	-	1.99	-	.86	-	4.20	-	2.32	-	6.75	-	5.32	-	44.78	-
BELTSVILLE	1.71	-1.58	2.85	-.52	2.64	-.85	3.06	-.08	2.23	-3.86	11.32	8.01	3.06	-1.15	1.18	-3.83	2.58	-1.18	1.53	-1.88	5.42	2.37	3.97	1.10	41.53	-.41
BELTSVILLE PLY IND ST1	1.82	-	3.21	-	2.83	-	3.43	-	2.20	-	10.98	-	2.41	-	1.35	-	2.51	-	1.47	-	5.30	-	4.16	-	41.65	-
BELTSVILLE PLY IND ST2	1.78	-	3.27	-	2.71	-	3.39	-	2.24	-	10.32	-	1.78	-	1.53	-	2.47	-	1.38	-	5.14	-	4.01	-	40.02	-
BELTSVILLE PLY IND ST3	1.86	-	3.25	-	2.42	-	3.54	-	2.44	-	10.73	-	1.72	-	1.76	-	2.43	-	1.58	-	5.25	-	4.06	-	41.04	-
BELTSVILLE PLY IND ST4	1.84	-	3.13	-	2.64	-	3.39	-	2.27	-	10.32	-	1.51	-	1.84	-	2.13	-	1.51	-	4.99	-	4.39	-	39.96	-
BELTSVILLE PLY IND ST5	1.79	-	3.33	-	2.65	-	3.51	-	2.31	-	10.49	-	1.90	-	2.26	-	2.65	-	1.51	-	5.39	-	4.32	-	42.14	-
BELTSVILLE PLY IND ST6	1.94	-	3.26	-	2.57	-	3.61	-	2.43	-	10.16	-	1.77	-	2.12	-	2.59	-	1.51	-	5.30	-	4.44	-	41.70	-
BELTSVILLE SCS R 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENSON POLICE BRKS	3.08	-	4.00	-	3.85	-	4.02	-	3.76	-	6.59	-	6.54	-	.55	-	4.04	-	2.12	-	6.53	-	5.66	-	50.74	-
BENTLEY SPRINGS	3.35	-	4.10	-	3.21	-	3.38	-	2.00	-	7.98	-	4.53	-	5.75	-	3.12	-	2.46	-	5.87	-	4.89	-	50.44	-
BERLIN	2.58	-	2.60	-	2.09	-	-	-	-	-	-	-	1.02	-	3.05	-	1.61	-	2.80	-	4.70	-	6.61	-	-	-
BETHESDA	2.64	-	2.83	-	2.64	-	3.85	-	1.92	-	10.11	-	.87	-	1.83	-	1.62	-	1.23	-	5.78	-	3.80	-	39.12	-
BETHESDA NAT INST WLS	1.52	-	2.14	-	2.84	-	2.53	-	2.48	-	4.39	-	4.33	-	3.49	-	4.40	-	2.22	-	5.25	-	4.21	-	39.80	-
BLACKWATER REFUG	2.67	-	3.10	-	2.64	-	3.77	-	2.30	-	12.24	-	1.95	-	.39	-	1.48	-	1.72	-	5.35	-	4.54	-	42.35	-
BROOKDALE	2.35	-	3.00	-	3.84	-	4.25	-	2.38	-	10.67	-	1.45	-	1.92	-	2.33	-	1.53	-	5.95	-	4.66	-	44.33	-
BROOKSIDE MANOR	2.68	-	3.46	-	2.96	-	-	-	2.95	-	9.93	-	2.34	-	5.09	-	3.67	-	1.63	-	5.34	-	4.66	-	42.89	-
BURNT MILLS RESERVOIR	2.39	-	3.58	-	3.19	-	3.83	-	2.24	-	10.14	-	1.81	-	1.43	-	2.61	-	1.35	-	5.73	-	4.59	-	42.89	-
CAMBRIDGE 5 W	1.63	-2.01	1.89	-1.42	3.00	-.83	4.01	-.40	3.23	-.40	4.41	-.63	2.71	-1.84	1.79	-3.08	6.07	2.66	2.92	-.26	5.92	3.07	3.94	-.78	41.52	-2.30
CHARLOTTE HALL	1.46	-1.84	2.18	-.92	2.86	-.45	3.54	-.07	2.29	-1.38	5.67	2.11	4.80	-.39	4.65	-.89	2.38	-.65	2.25	-1.07	6.44	3.81	5.07	2.11	43.59	2.15
CHEUTSWAN	1.51	-2.21	2.80	-.03	2.98	-.68	4.43	-.30	3.10	-.57	5.99	1.76	4.90	-.39	2.70	-2.23	2.49	-1.11	1.47	-1.57	6.32	3.54	3.87	-.65	42.56	1.50
CHRISTYTOWN	2.82	-.65	3.20	-.90	2.69	-.83	4.19	-.54	3.22	-	6.35	2.39	4.59	-.38	3.53	-3.68	1.04	-2.35	3.30	-.22	5.34	3.58	5.91	2.45	44.38	-1.69
CHRYSLER BRIDGEPORT	2.95	-2.35	3.25	1.08	3.89	-.88	2.99	-.02	1.96	-1.58	6.79	4.79	2.81	-.85	3.07	-.80	2.12	-.95	1.25	-1.72	4.18	1.82	5.02	2.41	42.28	5.57
CLEAR SPRING	3.05	-.58	3.55	-.93	4.39	-.83	4.60	-.96	2.44	-1.38	7.48	3.31	1.07	-2.95	1.33	-2.87	3.39	-.33	2.53	-.57	4.83	2.40	5.33	2.22	44.50	3.79
COCKEYSVILLE 2 NW	3.61	-	3.63	-	4.01	-	3.80	-	2.71	-	6.83	-	1.28	-	1.38	-	2.79	-	-	-	-	-	-	-	-	-
COLMAN	3.00	-.53	3.23	-.35	3.76	-.79	3.38	-.25	3.41	-.38	5.69	1.93	3.58	-.86	3.68	-4.06	-	-	2.88	-.35	5.90	3.11	5.02	1.59	-	-
COLLEGE PARK U OF M	2.36	-.95	2.78	-.24	3.39	-1.14	3.86	-.14	2.60	-1.26	10.57	6.98	1.56	-2.60	1.31	-1.18	2.55	-.88	1.63	-1.26	5.41	2.68	4.46	1.43	42.83	1.04
CONOWINGO DAM	4.03	-.60	3.60	1.01	3.81	-.35	3.30	-.11	3.02	-1.78	6.89	2.11	7.50	2.55	1.5	-4.13	1.10	-2.01	2.54	-.86	7.27	3.86	5.60	2.25	48.81	3.84
CONOWINGO POLICE BR	-	-	2.68	-	2.28	-	5.02	-	3.37	-	5.55	-	5.18	-	.33	-	1.14	-	2.27	-	6.62	-	5.12	-	-	-
CRISTFIELD	1.86	-1.80	2.29	-1.11	2.71	-1.44	3.20	-.67	5.33	1.76	5.20	1.71	4.15	-.92	5.26	-.71	2.12	-1.32	1.15	-.19	4.90	1.97	3.80	-.68	43.97	-.24
CUMBERLAND	3.16	-.67	3.64	1.30	4.02	1.02	3.67	-.79	2.59	-.80	7.43	3.55	2.58	-.68	1.08	-2.40	1.22	-1.53	.98	-1.35	3.34	1.16	4.05	1.58	37.76	3.11
CUMBERLAND POLICE BR	3.26	-	4.23	-	3.20	-	1.68	-	1.07	-	3.66	-	2.76	-	1.76	-	1.34	-	.81	-	3.97	-	-	-	-	-
DALECARLIA RESERVOIRDC	1.34	-	2.86	-	3.91	-	3.61	-	2.26	-	8.84	-	2.92	-	1.46	-	.70	-	1.30	-	6.20	-	5.67	-	41.07	-
DISTRICT HEIGHTS	2.19	-	2.57	-	3.21	-	3.61	-	3.13	-	8.28	-	2.89	-	2.08	-	3.16	-	2.20	-	-	-	5.13	-	-	-
DUNDALK	3.09	-	3.38	-	2.98	-	4.08	-	4.43	-	8.41	-	4.01	-	2.90	-	1.63	-	2.57	-	4.97	-	4.93	-	47.38	-
EASTON POLICE BRKS	1.66	-1.72	2.45	-.70	2.70	-1.00	3.93	-.54	2.26	-1.23	3.32	-.50	4.11	-.44	2.04	-2.42	2.39	-.98	1.89	-1.30	5.60	2.83	4.45	1.38	38.80	-5.54
EDGEHART	2.33	-.27	3.77	1.89	4.76	1.52	3.80	-.40	2.49	-2.37	7.80	3.95	2.31	-1.26	4.19	-.27	2.59	-	1.74	-2.11	4.81	1.39	5.08	2.08	45.77	5.19
ELKTON	5.53	-.14	3.55	-.64	3.61	-.14	2.34	-1.33	3.49	-.86	4.52	-.41	7.33	2.95	1.38	-4.10	1.64	-1.53	2.76	-.44	6.88	3.12	5.19	2.12	45.92	1.18
EMMITTSBURG	3.32	-.05	3.44	-.43	4.82	-.84	4.84	1.22	1.92	-2.28	-	-	3.09	-1.13	-	-	-	-	1.61	-1.94	7.45	4.12	5.93	2.77	-	-
FALLSTON	3.01	-.56	3.59	-.29	3.12	-.61	-	-	3.62	-.21	6.33	2.35	8.49	2.07	.74	-4.13	4.44	-.49	2.21	-1.22	6.54	3.31	5.73	2.29	-	-
FORT GEORGE G HEADS	3.12	-	3.62	-	3.45	-	3.59	-	3.61	-	8.76	-	2.26	-	1.43	-	2.44	-	2.45	-	5.74	-	-	-	45.25	-
FREDERICK POLICE BR	1.60	-1.55	4.02	1.16	3.12																					

Table 2-Continued

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1951

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure
UNIONVILLE	2.47	-	3.51	-	2.76	-	3.00	-	1.87	-	7.79	-	3.90	-	4.25	-	1.69	-	1.55	-	5.11	-	4.03	-	41.93	-
U S SOLDIERS HOME DC	1.71	-	3.09	-	2.78	-	3.79	-	2.23	-	8.81	-	3.42	-	3.78	-	3.84	-	1.60	-	5.18	-	4.52	-	44.74	-
VIENNA	1.75	-	2.63	-	3.62	-	2.86	-	2.16	-	4.77	-	4.14	-	2.95	-	3.53	-	2.38	-	3.78	-	5.08	-	39.64	-
VIENNA MILL	2.65	-	2.56	-	3.61	-	4.23	-	2.58	-	10.20	-	1.61	-	1.12	-	1.43	-	1.69	-	5.70	-	4.68	-	42.06	-
WALDORF POLICE BRKS	1.70	-	3.29	-	2.97	-	3.39	-	2.58	-	8.01	-	2.89	-	4.61	-	2.61	-	1.73	-	5.83	-	5.38	-	43.15	-
WASHINGTON WB CITY	2.42	-1.13	2.57	- .70	3.17	- .58	3.93	- .66	3.23	- .47	9.28	- 5.15	2.50	-2.21	2.02	-1.99	1.91	-1.33	1.66	-1.18	5.01	- 2.64	4.77	- 1.45	42.47	- .31
WATERLOO POLICE BRK	2.54	-	3.88	-	4.24	-	5.11	-	3.78	-	9.87	-	3.22	-	3.78	-	3.79	-	1.86	-	6.14	-	4.77	-	44.74	-
WEST LANHAM HILLS	2.48	-	2.83	-	2.68	-	3.15	-	3.49	-	8.95	-	3.49	-	3.98	-	2.11	-	2.02	-	3.58	-	3.98	-	44.74	-
WESTERN PORT	-	-	3.07	- .77	3.69	- .68	4.02	- .90	3.23	- .44	5.28	- 1.29	2.82	- .89	1.25	-2.46	2.26	-2.54	4.11	-2.18	3.55	- 1.48	3.38	- .94	44.74	-
WESTMINSTER	3.48	- .27	3.48	- .55	2.79	- .93	3.40	- .05	2.88	- .88	7.01	- 2.91	4.27	- .25	4.96	- .36	1.97	-1.78	1.91	-1.39	5.83	- 2.81	4.80	- 1.38	46.58	- 3.50
WHALEYSVILLE	1.38	-	.09	-	3.41	-	1.85	-	1.88	-	5.70	-	3.95	-	3.35	-	3.38	-	2.27	-	5.99	-	4.71	-	47.01	-
WHITE HALL	3.35	-	4.06	-	3.12	-	3.18	-	2.27	-	7.38	-	3.95	-	3.35	-	3.38	-	2.27	-	5.99	-	4.71	-	47.01	-
WILLIAMSPORT	2.49	- .16	3.85	- 1.93	3.57	- .26	4.03	- .88	2.65	-1.49	8.24	- 3.79	1.80	-1.33	1.18	-2.90	1.86	- .94	1.03	-2.52	4.68	- 1.65	4.80	- 1.65	40.18	- .82
WOODSTOCK COLLEGE	3.21	- .08	3.07	- .08	2.97	- .58	3.56	- .28	2.93	- .79	8.33	- 4.53	2.16	-1.77	.55	-3.59	2.73	- .82	1.85	-1.26	5.38	- 2.54	4.71	- 1.68	41.45	- .22
STATE AVERAGE	2.39	- .94	3.04	- .12	3.14	- .40	3.55	- .11	2.84	- .84	7.59	- 3.56	3.33	- .97	2.31	-2.10	2.51	- .88	1.96	-1.04	5.38	- 2.68	4.73	- 1.56	42.77	- .86
DELAWARE																										
BRIDGEVILLE	1.30	-2.31	1.86	-1.40	2.41	-1.40	3.17	- .32	2.55	-1.17	6.07	- 2.48	6.12	- 1.00	2.80	-1.88	3.92	- .55	3.09	- .03	6.59	- 3.88	5.00	- 1.86	44.88	- 1.27
CLAYTON	2.50	- .60	4.08	- 1.36	2.74	- .55	3.37	- .01	4.28	- .77	2.85	- .44	5.44	- 1.71	1.64	-2.79	.88	-2.59	3.17	- .39	6.08	- 3.49	5.37	- 2.08	42.98	- 2.82
DELAWARE CITY REEDY PT	2.26	-1.27	3.25	- .05	3.13	- .90	2.43	-1.15	4.76	- .95	3.68	- .02	4.76	- .04	3.00	-1.87	2.89	- .79	3.89	- .99	7.88	- 4.74	6.21	- 2.89	48.14	- 3.70
DOVER	1.45	-	2.54	-	2.81	-	2.72	-	3.41	-	5.11	-	2.76	-	3.72	-	2.57	-	3.16	-	4.64	-	4.55	-	41.11	-
GEORGETOWN	1.88	-	2.41	-	4.50	-	2.40	-	3.41	-	5.11	-	2.76	-	3.72	-	2.57	-	3.16	-	4.64	-	4.55	-	41.11	-
LEWES	1.88	-	2.41	-	4.50	-	2.40	-	3.41	-	5.11	-	2.76	-	3.72	-	2.57	-	3.16	-	4.64	-	4.55	-	41.11	-
MILFORD	1.61	-2.26	3.22	- .23	3.55	- .55	2.01	-1.64	2.77	- .83	3.76	- .08	3.84	- .95	6.60	- 1.28	2.72	- .96	2.65	- .89	6.71	- 3.77	5.82	- 2.24	47.21	- 3.91
MILLSBORO	3.62	- .47	3.87	- .89	4.15	- .71	2.47	- .98	4.05	- .26	4.33	- .60	5.41	- .49	2.61	-1.74	1.49	-1.87	2.68	- .41	6.71	- 3.77	5.82	- 2.24	47.21	- 3.91
NEWARK COLLEGE FARM	2.26	-	2.96	-	3.76	-	2.56	-	3.56	-	4.27	-	3.84	-	3.23	-	1.16	-	3.17	-	7.32	-	5.79	-	45.26	-
SMYRNA	3.64	-	2.96	-	3.76	-	2.56	-	3.56	-	4.27	-	3.84	-	3.23	-	1.16	-	3.17	-	7.32	-	5.79	-	45.26	-
WILMINGTON NCATTLE WB AP	3.73	- .21	2.73	- .43	4.29	- .70	2.69	- .84	3.59	- .15	4.30	- .30	2.51	-2.20	2.17	-2.76	1.91	-1.55	2.96	- .13	7.57	- 4.48	5.74	- 2.29	44.19	- .08
WILMINGTON CITY HALL	3.75	- .21	2.76	- .21	4.13	- .35	2.52	-1.30	4.00	- .22	4.51	- .46	3.37	-1.42	1.35	-3.75	1.60	-2.02	2.76	- .22	7.47	- 4.28	6.00	- 2.70	44.22	- .70
WILMINGTON PORTER RVR	2.43	-1.12	2.99	- .22	3.46	- .35	2.63	- .85	3.63	- .02	4.45	- .64	4.94	- .24	3.13	-1.65	2.29	-1.15	2.83	- .28	6.47	- 3.52	5.38	- 1.96	44.63	- .72
STATE AVERAGE	2.43	-1.12	2.99	- .22	3.46	- .35	2.63	- .85	3.63	- .02	4.45	- .64	4.94	- .24	3.13	-1.65	2.29	-1.15	2.83	- .28	6.47	- 3.52	5.38	- 1.96	44.63	- .72
SECTION AVERAGE	2.39	- .97	3.04	- .09	3.17	- .40	3.47	- .03	2.91	- .77	7.29	- 3.29	3.50	- .85	2.34	-2.11	2.49	- .90	2.05	- .97	5.48	- 2.75	4.79	- 1.59	42.92	- .78

See reference notes following Station Index.

TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE
1951

Table 3

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
MARYLAND													
ABERDEEN PHILLIPS FLD	93	7-27+	8	12-17	3-27 (23°)	3-27 (23°)	3-27 (23°)	11-3 (25°)	11-3 (25°)	11-4 (22°)	222	221	221
ANNAPOLIS USN ACADEMY	93	7-22	12	2-8+	2-11 (22°)	3-27 (26°)	3-27 (26°)	11-3 (30°)	11-3 (30°)	11-4 (23°)	306	237	221
ANNAPOLIS WATER WORKS	96	7-27	-	-	-	-	4-21 (29°)	9-29 (30°)	11-3 (24°)	11-3 (24°)	-	-	161
BALTIMORE SLEEDS PT	96	7-22+	5	12-17	2-16 (24°)	3-27 (26°)	4-18 (32°)	11-4 (23°)	11-4 (23°)	11-4 (23°)	261	222	200
BALTIMORE WB AP	96	7-22+	5	12-17	3-27 (24°)	3-27 (24°)	4-18 (32°)	11-3 (25°)	11-3 (25°)	11-4 (22°)	222	221	199
BALTIMORE WB CITY	96	8-16	12	2-3+	2-11 (23°)	3-22 (27°)	3-26 (31°)	11-3 (31°)	11-18 (28°)	12-14 (24°)	306	241	222
BALTIMORE PARKVILLE	95	7-22+	6	12-17	3-22 (24°)	3-27 (27°)	3-27 (27°)	11-2 (31°)	11-4 (20°)	11-4 (20°)	227	222	220
BELTSVILLE	95	6-3+	-1	12-17	3-27 (17°)	4-21 (28°)	4-24 (30°)	10-26 (31°)	11-4 (18°)	11-4 (18°)	222	197	185
BELTSVILLE PLT IND STA 1	95	7-23	-2	12-17	4-18 (24°)	4-21 (28°)	4-24 (30°)	10-26 (30°)	11-4 (17°)	11-4 (17°)	200	197	185
BELTSVILLE PLT IND STA 2	95	7-23	-4	12-17	4-18 (24°)	4-21 (27°)	4-24 (29°)	9-29 (31°)	11-4 (17°)	11-4 (17°)	200	197	158
BELTSVILLE PLT IND STA 3	96	7-23	-1	12-17	3-27 (19°)	4-18 (26°)	4-24 (32°)	10-26 (32°)	11-4 (17°)	11-4 (17°)	222	200	185
BELTSVILLE PLT IND STA 4	95	7-23+	5	12-17	3-27 (22°)	3-27 (22°)	4-18 (30°)	11-3 (31°)	11-4 (19°)	11-4 (19°)	222	222	199
BELTSVILLE PLT IND STA 5	96	7-23	-3	12-17	4-18 (24°)	4-21 (27°)	4-24 (29°)	8-29 (31°)	11-4 (18°)	11-4 (18°)	200	197	127
BELTSVILLE PLT IND STA 6	96	7-23+	3	12-17	3-27 (17°)	4-18 (27°)	4-18 (27°)	11-4 (19°)	11-4 (18°)	11-4 (18°)	222	200	200
BENSON POLICE BRKS	97	7-27	2	12-17	3-27 (21°)	3-27 (21°)	4-21 (32°)	11-4 (19°)	11-4 (19°)	11-4 (19°)	222	222	197
BENTLEY SPRINGS	91	7-27	-4	12-17	3-27 (18°)	4-18 (27°)	5-14 (32°)	9-29 (32°)	11-3 (27°)	11-4 (17°)	222	189	138
BERLIN	94	6-2+	0	12-17	3-27 (22°)	3-27 (22°)	4-21 (31°)	10-26 (30°)	11-4 (25°)	11-19 (23°)	222	221	188
BETHESDA NAT INST HLTH	94	7-23+	10	2-9	3-27 (24°)	3-27 (24°)	4-18 (32°)	11-4 (16°)	11-4 (16°)	11-4 (16°)	222	222	200
BLACKWATER REFUGE	95	7-22+	-5	12-17	4-18 (23°)	4-21 (28°)	4-24 (30°)	9-29 (32°)	11-4 (17°)	11-4 (17°)	200	197	158
BRIGHTON DAM	95	7-22+	-5	12-17	4-18 (23°)	4-21 (28°)	4-24 (30°)	9-29 (32°)	11-4 (17°)	11-4 (17°)	200	197	158
BROOKSIDE MANOR	97	7-22	4	12-17	3-27 (23°)	3-27 (23°)	-	11-4 (21°)	11-4 (21°)	11-4 (21°)	222	222	-
CAMBRIDGE 5 W	96	8-16	10	2-9+	3-27 (23°)	3-27 (23°)	3-27 (23°)	11-4 (26°)	11-4 (26°)	11-21 (24°)	239	222	222
CHARLOTTE HALL	95	7-23	6	12-17	2-11 (22°)	3-27 (25°)	4-18 (31°)	11-4 (24°)	11-4 (24°)	11-4 (24°)	266	222	200
CHESTERMAN	95	6-3	3	12-17	3-27 (22°)	4-18 (28°)	4-21 (32°)	11-4 (22°)	11-4 (22°)	11-4 (22°)	222	200	197
CHRISTERTOWN	95	7-27+	10	2-9	2-16 (22°)	3-27 (26°)	3-27 (26°)	11-3 (28°)	11-3 (28°)	11-21 (20°)	278	221	221
CHESWILL BRIDGEPORT	95	6-3+	-8	12-17	3-27 (21°)	4-18 (28°)	4-24 (32°)	10-13 (32°)	11-4 (23°)	11-4 (23°)	222	200	172
CLEAR SPRING	97	6-3+	-1	12-17	3-27 (22°)	3-27 (22°)	4-18 (31°)	11-3 (30°)	11-4 (26°)	11-5 (22°)	223	222	199
COLEMAN	96	7-27+	10	2-9	3-22 (24°)	3-27 (26°)	3-27 (26°)	11-4 (25°)	11-4 (25°)	11-21 (24°)	244	222	222
COLLEGE PARK U OF MD.	96	7-22	3	12-17	3-27 (21°)	4-21 (28°)	4-24 (32°)	11-3 (30°)	11-4 (19°)	11-4 (19°)	222	197	193
CONOWINGO DAM	93	8-30	4	12-17	3-27 (20°)	3-27 (20°)	4-21 (32°)	11-3 (26°)	11-3 (26°)	11-4 (23°)	222	221	196
CONOWINGO POLICE BRKS	96	7-31	2	2-9	3-27 (17°)	4-18 (27°)	4-24 (30°)	9-29 (31°)	11-4 (21°)	11-4 (21°)	222	200	158
CRISFIELD	93	7-23+	15	2-8+	2-11 (23°)	2-11 (23°)	3-27 (31°)	11-4 (31°)	11-21 (24°)	11-21 (24°)	283	283	222
CUMBERLAND	98	8-31	-5	12-17	3-27 (21°)	4-18 (26°)	4-24 (32°)	9-29 (32°)	11-3 (25°)	11-4 (21°)	222	199	158
CUMBERLAND POLICE BRKS	102	6-2	-	-	4-18 (24°)	4-21 (27°)	4-25 (32°)	9-29 (28°)	9-29 (28°)	11-3 (20°)	199	161	157
DISTRICT HEIGHTS	95	6-2+	7	12-17	2-11 (23°)	3-27 (25°)	-	-	-	-	-	-	-
DUNDALK	95	7-27+	12	2-8+	2-16 (24°)	3-27 (28°)	3-27 (28°)	11-4 (25°)	11-4 (25°)	11-21 (24°)	278	222	222
EASTON POLICE BRKS	97	7-23	7	12-17	3-11 (24°)	3-27 (25°)	3-27 (25°)	11-4 (26°)	11-4 (26°)	11-22 (21°)	256	222	222
ELKTON	94	7-27	4	12-17	3-27 (20°)	3-27 (20°)	3-27 (20°)	11-3 (32°)	11-4 (22°)	11-4 (22°)	222	222	221
EMMITTSBURG	92	8-16	1	12-17	3-27 (23°)	4-18 (26°)	4-18 (26°)	11-3 (30°)	11-3 (30°)	11-4 (22°)	222	221	199
FALLSTON	92	8-16	1	12-17	3-27 (23°)	4-18 (26°)	4-18 (26°)	11-3 (30°)	11-4 (19°)	11-4 (19°)	222	200	199
FORT GEORGE G. MEADE	95	6-2+	-3	12-17	3-27 (15°)	4-24 (27°)	5-14 (31°)	10-9 (32°)	11-4 (18°)	11-4 (18°)	222	194	148
FREDERICK POLICE BRKS	96	7-27+	-	-	3-27 (21°)	3-31 (27°)	4-20 (32°)	10-9 (32°)	11-4 (19°)	11-4 (19°)	222	218	172
FREDERICK WB AP	96	7-23+	0	12-20	3-27 (18°)	4-18 (28°)	4-24 (32°)	10-26 (32°)	11-4 (21°)	11-4 (21°)	222	200	185
FRIENDSVILLE	92	6-3	-	-	4-20 (24°)	4-24 (28°)	5-14 (31°)	9-28 (32°)	9-29 (25°)	10-26 (24°)	189	158	137
FROSTBURG	91	6-3	-5	2-3	3-27 (21°)	4-18 (23°)	4-24 (30°)	9-29 (30°)	11-3 (18°)	11-3 (18°)	221	199	158
GERMANTOWN	95	8-10	1	12-17	3-27 (24°)	3-27 (24°)	4-18 (29°)	11-3 (32°)	11-4 (22°)	11-4 (22°)	222	222	199
GLSW DALE BELL STA	95	7-22	-1	12-17	3-27 (18°)	4-21 (28°)	4-24 (31°)	9-29 (31°)	11-4 (18°)	11-4 (18°)	222	197	158
GRANDBELL	94	6-24+	-	-	3-27 (24°)	3-27 (24°)	3-27 (24°)	11-4 (24°)	11-4 (24°)	11-4 (24°)	222	222	222
GREENBELT	95	6-3+	-1	12-17	3-27 (17°)	4-21 (28°)	4-24 (30°)	10-26 (32°)	11-4 (18°)	11-4 (18°)	222	197	185
HAGERSTOWN	95	7-31	-2	2-3	3-26 (21°)	3-27 (23°)	4-18 (31°)	9-30 (30°)	11-3 (27°)	11-4 (23°)	223	221	165
HANCOCK FRUIT LAB	97	6-4	-18	12-17	4-18 (23°)	4-24 (27°)	5-14 (31°)	9-29 (29°)	10-10 (27°)	11-4 (20°)	200	169	138
HUNTINGTOWN	96	7-23	6	12-17	3-10 (24°)	3-27 (28°)	4-18 (32°)	11-4 (25°)	11-4 (25°)	11-19 (24°)	254	222	200
KEDYSVILLE	100	8-10	-10	12-17	4-18 (23°)	4-18 (23°)	4-24 (31°)	9-29 (32°)	11-3 (28°)	11-4 (22°)	200	199	158
LA PLATA	97	6-2+	5	12-17	3-26 (22°)	4-18 (26°)	4-20 (31°)	11-2 (32°)	11-4 (23°)	11-4 (23°)	223	200	196
LAUREL 3 W	-	-	8	2-8+	-	-	-	-	-	-	-	-	-
LEONARDTOWN 4 SSW	97	7-23	9	12-17	3-27 (23°)	3-27 (23°)	4-21 (32°)	11-4 (25°)	11-4 (25°)	11-21 (20°)	239	222	197
LISBON	95	7-22+	3	12-17	3-27 (20°)	3-27 (20°)	4-24 (32°)	9-29 (32°)	11-3 (25°)	11-4 (17°)	222	221	158
MIDDLE RIVER	93	7-22+	11	12-17	2-16 (23°)	3-22 (28°)	3-27 (28°)	11-4 (27°)	11-4 (27°)	11-20 (23°)	277	227	222
MILLINGTON	97	9-1	6	12-17	3-27 (20°)	3-27 (20°)	4-18 (30°)	11-4 (23°)	11-4 (23°)	11-4 (23°)	222	222	200
NEW GERMANY	88	6-4	-15	12-17	4-18 (19°)	4-18 (19°)	5-14 (29°)	9-24 (31°)	9-30 (28°)	11-3 (22°)	199	165	133
OAKLAND	89	6-3	-8	12-17	4-24 (24°)	4-24 (24°)	5-14 (28°)	9-24 (32°)	9-29 (23°)	9-29 (23°)	158	158	133
OCEAN CITY	92	6-25	14	2-9	2-11 (21°)	3-27 (28°)	3-27 (28°)	11-4 (32°)	11-19 (26°)	11-21 (24°)	283	237	222
OWINGS FERRY LANDING	90	7-23	7	2-9+	3-27 (24°)	3-27 (24°)	4-18 (31°)	11-4 (25°)	11-4 (25°)	11-19 (24°)	283	227	200
OXFORD	90	7-23	12	2-9	2-11 (21°)	3-22 (28°)	3-22 (28°)	11-4 (27°)	11-4 (27°)	11-21 (24°)	283	227	227
PICARDY	96	7-22+	-2	2-3	3-27 (20°)	4-18 (27°)	4-21 (32°)	9-29 (32°)	10-10 (28°)	11-4 (19°)	222	175	161
PIKESVILLE	99	8-16	6	2-8+	3-26 (24°)	3-26 (24°)	4-18 (30°)	11-4 (22°)	11-4 (22°)	11-4 (22°)	223	223	200
POCOMOKE CITY	98	7-23	12	12-17	3-27 (23°)	3-27 (23°)	4-18 (30°)	11-4 (25°)	11-4 (25°)	11-21 (20°)	239	222	200
PRESTON 1 S	95	6-24+	8	2-9	3-27 (22°)	3-27 (22°)	4-18 (31°)	11-4 (25°)	11-4 (25°)	11-21 (20°)	239	222	200
PRETTYBOY DAM	93	7-22	-	-	-	-	4-18 (30°)	11-2 (32°)	11-4 (20°)	11-4 (20°)	-		

TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE
1951

Table 3-Continued.

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
WHALESVILLE	-	-	-	-	3-27 (20°)	3-27 (20°)	4-24 (32°)	-	-	-	-	-	-
WOODSTOCK COLLEGE	96	8-16+	0	12-17	3-27 (18°)	4-18 (26°)	4-24 (31°)	9-29 (32°)	11- 4 (17°)	11- 4 (17°)	222	200	158
DISTRICT OF COLUMBIA													
BRIGHTWOOD	95	6- 3+	10	2- 8	2-11 (24°)	3-22 (27°)	3-27 (29°)	11- 4 (26°)	11- 4 (26°)	11-21 (22°)	283	227	222
DALECARLIA RESV	95	7-22+	4	12-17	3-27 (24°)	3-27 (24°)	4-18 (31°)	11- 4 (23°)	11- 4 (23°)	11- 4 (23°)	222	222	200
NATIONAL ARBORETUM	97	6- 2+	7	12-17	3-27 (24°)	3-27 (24°)	4-18 (32°)	11- 5 (22°)	11- 5 (22°)	11- 5 (22°)	223	223	201
U.S. SOLDIERS HOME	95	6- 3+	8	2- 8+	3-22 (24°)	3-22 (24°)	3-27 (27°)	11- 3 (32°)	11- 4 (24°)	11- 4 (24°)	227	227	221
WASHINGTON WB CITY	96	6- 2+	10	12-17	2-10 (21°)	3-22 (27°)	3-27 (30°)	11- 3 (31°)	11-18 (28°)	11-21 (23°)	284	241	221
DELAWARE													
BRIDGEVILLE	94	7-23	7	12-17	3-27 (20°)	3-27 (20°)	4-24 (32°)	11- 4 (23°)	11- 4 (23°)	11- 4 (23°)	222	222	194
CLAYTON	98	8-13	-	-	-	-	4-18 (31°)	11- 4 (19°)	11- 4 (19°)	11- 4 (19°)	-	-	200
DELAWARE CITY REEDY PT.	92	7-27	5	12-17	3-11 (24°)	3-27 (27°)	3-27 (27°)	11- 3 (31°)	11- 4 (24°)	11- 4 (24°)	238	222	221
DOVER	94	7-27	7	2- 9	2-16 (22°)	3-27 (25°)	3-27 (25°)	11- 4 (25°)	11- 4 (25°)	11-21 (22°)	278	222	222
GEORGETOWN	96	7-23	5	12-17	3-27 (18°)	4-18 (27°)	4-24 (30°)	10-26 (32°)	11- 4 (22°)	11- 4 (22°)	222	200	185
LEWES	94	8- 1	10	1- 9+	3-27 (21°)	3-27 (21°)	4-24 (32°)	11- 3 (31°)	11- 4 (23°)	11- 4 (23°)	222	222	193
MILFORD	-	-	7	12-17	-	-	-	11- 4 (22°)	11- 4 (22°)	11- 4 (22°)	-	-	-
MILLSBORO	94	6- 2+	5	12-17	3-27 (17°)	3-27 (17°)	4-24 (31°)	-	-	-	-	-	-
NEWARK COLLEGE FARM	93	7-27+	1	12-17	3-27 (19°)	3-27 (19°)	4-24 (32°)	11- 4 (19°)	11- 4 (19°)	11- 4 (19°)	222	222	194
WILMINGTON NCASTLE WB AP	94	7-27+	6	12-17	3-27 (22°)	3-27 (22°)	3-27 (22°)	11- 3 (27°)	11- 3 (27°)	11- 4 (24°)	222	221	221
WILMINGTON PORTER RESV.	92	7-27+	5	12-17	3-27 (24°)	3-27 (24°)	3-27 (24°)	11- 3 (26°)	11- 3 (26°)	11- 4 (24°)	222	221	221

See reference notes following Station Index.

TOTAL EVAPORATION AND WIND MOVEMENT

MARYLAND AND DELAWARE
1951

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	
BELTSVILLE	EVAP	-	-	-	-	4.46	B5.94	B7.77	6.48	4.97	3.54	-	-	-	
	DEP	-	-	-	-	1.70	- .52	.63	.29	.23	.25	-	-	-	
	WIND	-	-	-	-	988	864	1059	-	1227	1210	-	-	-	
SALISBURY U.S.G.S.	EVAP	-	-	4.07	5.36	6.86	6.43	B7.49	6.55	4.90	3.03	-	B .93	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	-	-	2745	2229	1931	1440	1351	1194	1056	1872	-	-	-	
SAVAGE RIVER DAM	EVAP	-	-	-	-	-	*	BV10.94	B5.78	-	*	-	-	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	-	-	-	-	-	*	V 2146	685	*	V1871	-	-	-	

MARYLAND AND DELAWARE
1951

1-CHESAPEAKE, 2-COASTAL, 3-MONONGAHELA, 4-OHIO, 5-PATAPSCO, 6-PATUXENT, 7-POTOMAC, 8-SUSQUEHANNA, 9-YOUGHIOPENY.

† CAMBRIDGE 5 W, MD.	ERRONEOUSLY SHOWN AS CAMBRIDGE 5 E PRIOR TO THIS BULLETIN
† COCKEYSVILLE 2 NW, MD.	FORMERLY COCKEYSVILLE PRIOR TO OCTOBER
† PRESTON 1 S, MD.	FORMERLY PRESTON PRIOR TO MAY
† ROCK HALL 3 N, MD.	FORMERLY ROCK HALL PRIOR TO FEBRUARY
† SNOW HILL 1 NE, MD.	FORMERLY SNOW HILL PRIOR TO MARCH

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F; precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by foot note following Table 4.

The four digit identification numbers in the Index are assigned on a State basis. There will be no duplication of numbers within a state. Figures and letters following the station name, such as (2 SSW), indicate distance in miles and direction from the Post Office.

The four digit identification numbers in the Index are assigned on a State basis. There will be no duplication of numbers within a state. Figures and letters following the station name, such as (2 SSW), indicate distance in miles and direction from the Post Office.

Delayed data and corrections will be carried only in the June and December issues of Climatological Data.

- . No record.
 + Also later date (dates) or months.
 * Amount included in following measurement.
 // Gage is equipped with windshield.
 B Adjusted to full month.
 E Water equivalent of snowfall wholly or partially estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
 M 1 to 9 days' record missing; see monthly Climatological Data for detailed daily record.
 N Station equipped with a recording gage only.
 T Trace, an amount too small to measure.
 V Includes total for previous month.

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MARYLAND AND DELAWARE - 1951

G. N. Brancato, Section Director - Baltimore, Md.

WEATHER SUMMARY

Mild temperatures, abundant rain and little snow characterized the weather of 1951.

November was the only month with mean temperature averages below normal, while January, February, October and December were well above normal. The growing season was long, running from the last killing frost in spring during the last half of April to the first killing frost of autumn in the early part of November for most areas. As a result, frost damage to crops was minor. On December 7th, an 80-degree reading at Westernport, Maryland, set a new high temperature record for December for Maryland, while a temperature of 76 degrees, on the same date at Lewes, Delaware, equalled that State's previous high temperature record for December.

Precipitation was abundant through most of the year. Maryland's June rainfall averaged the highest of any June of record but there were no serious floods. August, September and October were dry in most areas but the dryness came late and did not affect crop development seriously.

Monthly snowfall totals were light throughout the year, the lone exception being above normal amounts in Maryland during December. The deficiency was particularly pronounced from January to April.

There were no hurricanes sufficiently close to the Maryland-Delaware coast to cause any unusual high winds or high tide damage.

The number of thunderstorms during the year was about average.

January: Mean temperatures were well above normal for the third successive January, but they averaged some eight degrees below the record-breaking warmth of January one year earlier. Precipitation totals were somewhat below normal but there was considerable variation in amounts over the area. Snowfall was somewhat below that regularly received, except in extreme western Maryland where it was about typical for January.

February: Continuing a pattern of mildness, also for the third successive February, mean temperatures from all stations averaged about three degrees above normal. Precipitation totals varied considerably and averaged about one-tenth of an inch below normal. Falls of snow were exceptionally light.

March: Both mean temperatures and precipitation totals averaged near normal this month, but snowfall totals continued very light.

April: Precipitation totals and mean temperature averages continued close enough to normal to be considered normal. Precipitation varied considerably in the Section but temperature averages showed only slight deviation from normal.

May: As in April, mean temperatures were near normal and precipitation totals varied considerably.

June: Record-breaking rainfall in Maryland, especially in and near the District of Columbia, was the outstanding feature of this month. Thunderstorms were more common than usual. Mean temperatures averaged near normal.

July: Rainfall totals were slightly below normal as the late summer dry period started. Mean temperatures averaged slightly above mid-summer normals.

August and September: Precipitation was considerably below normal and mean temperatures averaged near normal during these months.

October: This was a warm month with some area having precipitation totals near normal and others having record-breaking deficiencies.

November: This was the only 1951 month with mean temperatures well below normal and the coldness approached November records in that respect. Precipitation was heavy with average amounts just under record levels. Snowfall was light.

December: Although precipitation continued heavy as it did in November, temperatures reversed from the near record coldness of the preceding month to values well above normal. Snowfall was slightly below normal in Delaware and almost twice the normal in Maryland. - H.L.A.

See Page 199 for Acknowledgments

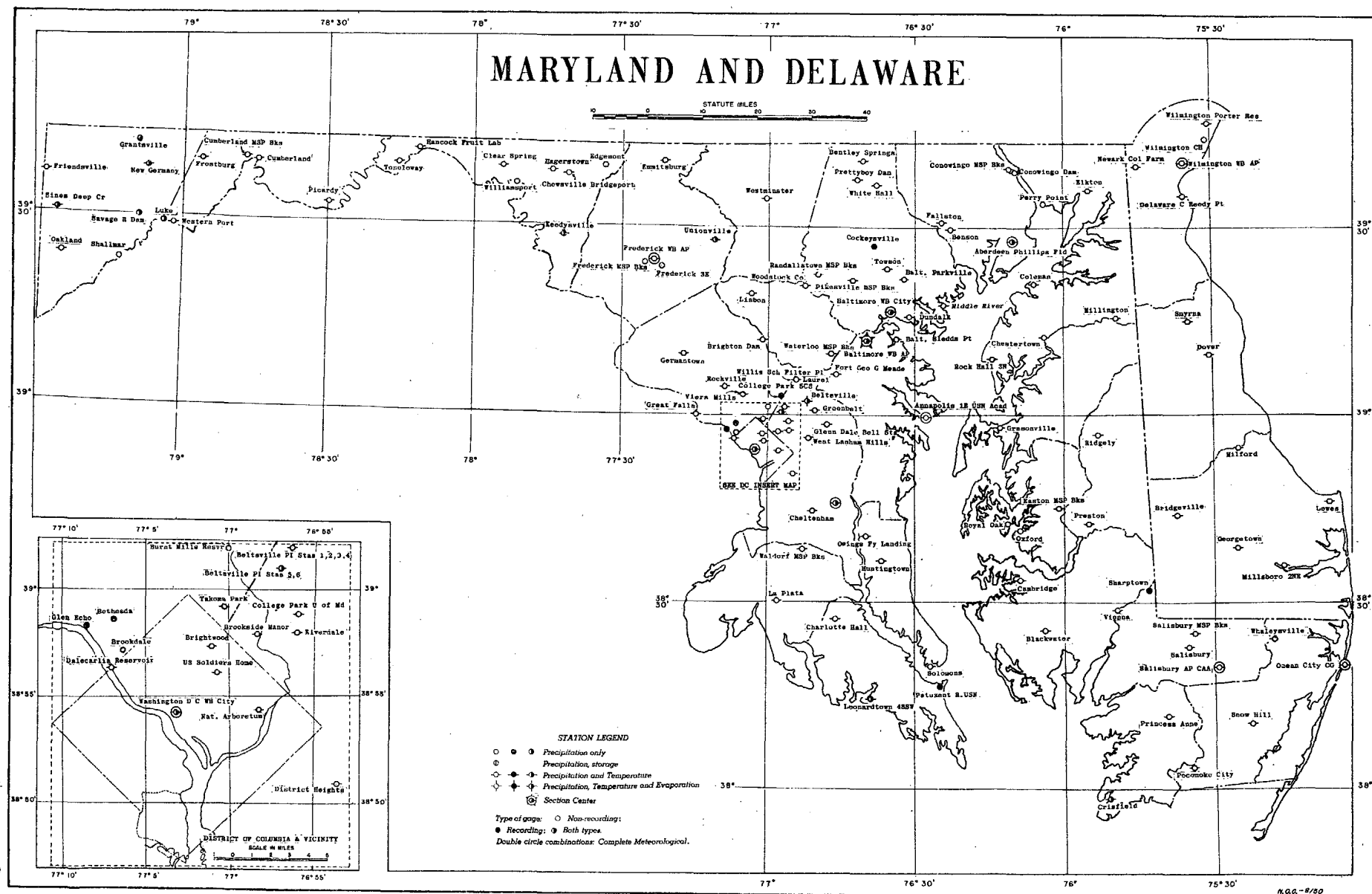


Table 1

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1951

Station	January	February	March	April	May	June	July	August	September	October	November	December	Annual													
Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure													
ABERDEEN PHILLIPS FLD	34.4	2.1	35.6	2.2	42.5	.2	51.5	.0	62.3	-.1	70.5	-.9	75.6	.0	73.7	-.1	66.6	-.1	59.1	2.9	40.6	-4.9	37.0	2.1	54.1	.1
ANNAPOLIS U S N ACADEM	37.3	2.9	36.3	1.4	42.9	-.5	53.6	5	63.0	-1.0	72.3	-.7	77.3	.0	78.0	.2	70.1	.5	61.6	3.5	43.6	-3.5	40.0	2.9	56.2	.6
ANNAPOLIS WATER WORKS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALTIMORE BLISSDS PT	37.7	-	37.4	-	44.6	-	54.9	-	64.6	-	72.8	-	77.3	-	75.4	-	68.8	-	60.4	-	42.2	-	37.3	-	56.2	-
BALTIMORE WB AIRPORT	36.9	3.6	36.5	1.8	43.3	-1.2	53.8	2	63.4	-1.8	72.0	-1.7	77.3	-	74.8	-1.7	68.3	-1.0	59.9	1.5	41.6	-6.0	38.4	1.6	55.5	.1
BALTIMORE WB CITY	38.8	4.0	38.0	2.4	45.1	1.6	55.5	1.8	65.0	.3	73.6	-.3	79.0	1.2	78.7	1.0	70.5	1.2	61.9	3.7	44.0	-3.0	41.1	3.6	57.4	1.5
BALTIMORE PARKVILLE	35.7	2.3	34.7	1.1	41.3	-1.3	51.5	-	61.2	-.9	70.0	-.9	75.1	-.3	72.6	-.7	66.9	-.1	58.1	2.7	40.5	-4.9	36.5	1.4	53.7	-.1
BELTSVILLE PLT IND ST1	35.2	-	35.0	-	41.3	-	51.4	-	61.1	-	69.5	-	74.6	-	72.6	-	66.6	-	58.2	-	40.3	-	36.0	-	53.5	-
BELTSVILLE PLT IND ST2	35.1	-	35.1	-	41.4	-	51.0	-	61.1	-	69.7	-	74.5	-	72.3	-	66.4	-	57.9	-	40.8	-	36.4	-	53.5	-
BELTSVILLE PLT IND ST3	36.1	-	35.8	-	42.2	-	52.3	-	62.1	-	70.5	-	75.4	-	73.5	-	67.4	-	58.8	-	41.2	-	37.0	-	54.4	-
BELTSVILLE PLT IND ST4	36.4	-	35.9	-	42.4	-	52.7	-	63.3	-	71.2	-	76.4	-	74.1	-	68.5	-	59.4	-	41.4	-	37.2	-	54.9	-
BELTSVILLE PLT IND ST5	35.2	-	34.9	-	40.9	-	50.7	-	61.0	-	69.8	-	74.7	-	72.4	-	66.4	-	57.6	-	40.9	-	36.4	-	53.4	-
BELTSVILLE PLT IND ST6	37.0	-	36.3	-	42.5	-	53.4	-	63.0	-	71.3	-	76.5	-	74.4	-	68.1	-	59.6	-	42.0	-	37.7	-	55.2	-
BENSON POLICE BRKS	34.3	-	35.8	-	42.0	-	51.9	-	62.7	-	70.6	-	74.7	-	72.7	-	66.8	-	59.1	-	41.4	-	36.5	-	54.1	-
BENTLEY SPRINGS	33.4	-	33.4	-	40.4	-	50.0	-	60.7	-	68.4	-	72.6	-	70.7M	-	64.7	-	55.9	-	38.6	-	34.6	-	52.0	-
BERLIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BETHESDA NIB	37.1M	-	37.2	-	43.7	-	53.7	-	63.1	-	71.0	-	75.7	-	73.4	-	66.9	-	58.0	-	40.5	-	38.0	-	54.8	-
BLACKWATER REFUGE	37.7	-	37.8	-	42.8	-	52.6	-	62.6	-	71.4	-	75.2	-	73.2	-	66.4	-	58.0	-	41.1	-	36.7	-	54.1	-
BRIGHTON DAM	36.3	-	36.3	-	42.5	-	52.2	-	61.7	-	69.8	-	73.1	-	73.2	-	66.7	-	58.0	-	41.1	-	36.7	-	54.1	-
BRIGHTWOOD DC	38.3	-	38.1	-	44.2	-	55.1M	-	65.0	-	72.9	-	78.8	-	75.6	-	69.9	-	60.6	-	43.1	-	39.4	-	56.7	-
BROOKSIDE HAYOR	37.5	-	37.9	-	44.7	-	54.7	-	64.0M	-	70.9M	-	77.7	-	74.3M	-	69.1	-	60.4	-	42.5	-	39.2	-	56.6	-
CAMBRIDGE S Y	38.2	2.7	39.1	2.9	42.2	-	53.2	-	63.2	-	71.7	-	76.9	-	74.2	-	69.4	-	61.3	2.8	45.0	-	40.3	-	56.6	-
CHARLOTTE HALL	40.2	6.4	39.4	4.5	45.7M	-	56.6	-	66.1	-	74.4	-	79.6	-	76.2	-	70.3	-	61.9	-	44.8	-	41.5	-	58.5	-
CHELTFENHAM	37.4	2.9	36.2	1.1	43.1	-1.5	53.1	-	62.0	-	71.2	-	76.1	-	73.4	-	67.4	-	59.4	2.3	42.6	-	35.7	2.6	55.0	.8
CHESTERTOWN	37.4	4.3	36.9	3.7	43.9	.6	54.2	1.8	63.8	.2	72.2	.7	77.5	1.3	75.9	1.5	70.2	1.8	60.8	4.1	43.6	-2.4	39.8	3.9	56.3	1.7
CHESWILL BRIDGEPORT	34.5	2.5	32.9	3.5	42.1	-.9	52.8	1.3	62.4	1.0	70.4	1.0	74.4	1.4	72.0	1.6	66.1	2.7	57.8	3.0	39.3	-3.7	34.6	1.7	53.2	1.0
CLEAR SPRING	34.3	3.1	36.0	5.3	42.3M	1.1	52.2	1.1	63.0	1.3	70.9	1.6	75.2	1.0	72.2M	1.0	66.8	5.5	58.8	4.4	39.8	-3.6	34.0	3.9	54.0	1.6
COLEMAN	37.4	3.6	37.6	3.6	44.5	.8	54.8	1.7	64.6	.8	72.0	1.7	77.8	1.1	76.4	1.7	69.2	3.9	44.5	2.5	40.5	4.2	-	-	-	-
COLLEGE PARK U OF MD	37.4M	3.5	37.8	3.0	44.9	.9	53.9	1.7	63.8	.6	72.4	.8	77.5	1.8	74.5	1.5	68.5	4.6	60.3	3.9	42.8	-2.6	39.6	3.3	56.1	1.4
CONOWING DAM	32.7	2.7	34.1	2.6	41.3	.1	51.1	.0	61.6	-1.0	69.8	-.9	75.1	.5	73.8	-.3	66.3	-2.5	58.5	3.5	40.7	-3.3	35.7	2.3	53.4	.6
CONOWING POLICE BRKS	32.1	-	32.1	-	41.2	-	50.9	-	61.0	-	69.2	-	76.9	-	74.2	-	68.2	-	58.9	-	42.4	-	37.6	-	53.7	-
CRISFIELD	41.1	2.8	40.6	1.3	46.0	-1.1	57.0	1.2	66.1	.3	74.0	-.8	79.3	2.2	77.7	.8	73.3	1.0	64.4	3.1	48.9	-2.0	44.9	4.0	59.6	1.2
CUMBERLAND	34.2	2.8	35.8	2.6	43.2M	2.5	51.7	4	62.1	-.9	70.4	-.5	74.5	.0	72.0	-.5	67.1	1.1	57.9	3.3	38.7	-4.4	34.5	4	53.5	.5
CUMBERLAND POLICE BRKS	32.9	-	35.0	-	41.8	-	51.8	-	61.8	-	69.4	-	73.6	-	70.3	-	64.6	-	55.5	-	38.2	-	-	-	-	-
DALECARLIA RESERVOIR D	38.4	-	38.3M	-	45.0	-	54.2	-	64.5M	-	72.8	-	77.8	-	75.8M	-	69.2M	-	60.0	-	43.4	-	39.4M	-	56.6	-
DISTRICT HEIGHTS	39.0	-	38.0	-	44.1	-	54.7	-	63.8	-	71.8	-	77.1	-	75.8M	-	68.7	-	60.1	-	43.5	-	40.3	-	57.0	-
DUNDALK	38.5	3.8	38.1	3.2	45.0	-	55.5	-	65.0	-	73.0	-	78.0	-	75.8M	-	70.0	-	61.7	-	44.0	-	40.3	-	57.0	-
EASTON POLICE BRKS	38.9	2.9	39.3	4.0	44.6	2.4	54.7	1.3	63.5	3	73.4M	1.6	78.3	2.0	75.5	1.9	71.1	2.3	60.0	3.3	44.8M	-2.2	39.8M	2.7	57.1	1.7
ELKTON	35.3	2.3	36.6	3.2	42.8	.4	53.3	1.5	63.1	-1.1	71.1	-.7	75.8	-	73.9	-.2	67.7	-.3	59.2	3.2	42.0	-3.8	37.5	2.4	54.8	.6
EMMITTSBURG	34.0	2.8	33.9	1.5	41.4	.5	51.8	-1	63.3	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALLSTON	33.3	1.8	34.0	2.2	40.7	.2	51.1	2	61.2	-.5	68.7	-1.2	74.4	-	71.8	-	67.0	-	58.0	3.6	40.4	-3.7	36.8	2.6	53.3	.5
FORT GEORGE G MEADE	36.2	-	35.5	-	42.3	-	52.3	-	62.7	-	70.8	-	75.9	-	73.2	-	68.4	-	59.4	-	41.8	-	37.8	-	54.1	-
FREDERICK POLICE BRKS	34.8	2.4	34.8	1.5	42.3	-.3	52.7	-1	62.7	-1.0	70.8	-1.3	75.9	-	73.9	-	68.4	-1.3	57.9	2.0	38.8	-5.7	-	-	-	-
FREDERICK WB AIRPORT	35.1	-	35.5	-	42.9	-	52.4	-	62.6	-	71.7	-	77.2	-	74.0	-	68.4	-	59.3	-	41.3	-	35.7	-	54.7	.0
FRIENDSVILLE	32.7	-	34.0	-	39.4	-	48.4	-	58.7	-	66.5	-	72.4	-	70.8	-	65.4	-	56.4	-	33.1	-	35.2	-	-	-
FROSTBURG	36.6	2.5	32.9	2.4	42.1	-.9	52.8	1.3	62.4	1.0	70.4	1.0	74.4	1.4	72.0	1.6	66.1	2.7	57.8	3.0	39.3	-3.7	34.6	1.7	53.2	1.0
GERMANTOWN	36.7	3.5	35.9M	1.3	43.2M	-.2	53.1	.6	62.7	-.1	70.4	-.9	75.5	-.3	73.0	-	67.8M	-	58.5	3.5	41.1	-6.4	33.0	3.5	50.3	-.4
GLEN DALE BELL STA	36.7	3.0	36.9	1.9	43.5	-.6	53.0	1	62.5	-.7	71.4	-.6	76.1	.4	73.4	-.2	67.8	-.4	59.1	3.4	42.1	-3.6	38.5	2.8	55.1	.5
GRANOVILLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREENBELT	35.7	-	35.0	-	41.0M	-	52.0M	-	62.0	-	70.6M	-	75.5	-	72.4M	-	66.7	-	58.3M	-	40.7	-	36.5	-	53.8	-
HAGERSTOWN	34.5	-	34.5	-	42.3	-	52.4	-	62.9	-	71.5	-	75.9	-	73.3M	-	67.8	-	58.4	-	39.4	-	35.4	-	54.0	-
HANCOCK FRUIT LAB	30.8	1.2	32.5	2.9	39.5	-2.3	49.3	3.2	60.6	-2.7	69.3	-1.8	73.9	-.8	70.6	-2.3	64.4	-2.9	55.5	5	37.2	-6.5	31.1	-2.2	51.4	-1.7
HUNTINGTOWN	39.8	4.7	38.7	1.7	44.2	-	54.2	0	63.1	-1.5	71.3	-1.7	76.1	-.7	73.8	-	68.9	-.9	60.7	3.1	44.2	-3.9	40.7	3.0	58.3	.5
KEDYSVILLE	35.7	3.4	36.0	2.8	43.0	-.1	52.6	2	62.0	-1.4	71.9	-.4	76.5	-.9	74.6	-.8	68.9	1.2	59.8	3.8	40.4	-4.3	35.3	1.0	54.7	.7
LA PLATA	40.0	3.9	38.8	1.6	45.2	-.9	54.7	2	63.2	-.8	72.8	-.1	76.9	.5	74.0	-.9	68.9	-.9	61.2	3.4	44.0M	-3.5	39.6	1.7	56.6	.4
LAUREL 3 W	37.5	4.4	37.1	3.5	43.8	.6	53.9	1.3	64.0	-.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEONARDSTOWN 4 SSW	40.2	4.1	40.2	3.4	45.6	.3	55.5	1.1	64.2	-.6	73.5	-.4	77.7	-.7	75.4	-.4	69.6	-.5	61.5	3.1	44.9	-1.7	40.7	1.8	57.4	1.2
LISBON	33.8	2.4	34.5	2.5	40.8	.1	51.1	.6	61.7	-.2	70.0	-.0	75.5	-.5	73.0	-.6										

Table 1-Continued

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1951

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure
DELAWARE																										
BRIDGEVILLE	39.0	3.6	38.7	3.3	43.6	-.6	53.1	.1	62.4	-.9	71.7	.2	76.3	.4	73.4	-.8	67.3M	-1.3	59.9	2.5	44.5	-2.3	41.1	3.7	55.9	.6
CLAYTON	-	-	-	-	-	-	-	-	63.8	-	72.0	-	77.3	-	75.6	-	69.4M	-	61.1M	-	43.9	-	-	-	-	-
DELAWARE CITY REEDY PT	36.9	3.2	37.0	3.0	43.7	1.7	53.4	1.1	63.8	-.5	71.3	-.8	74.8	-1.7	73.6	-1.2	66.7	-2.0	59.8	2.1	42.8	-3.5	38.4M	3.3	55.2	-.4
DOVER	37.5	2.3	37.6	2.1	44.5	1.1	54.3	1.1	63.9	-.2	72.2	-.3	77.3	-.7	75.3	-.6	69.5	-.7	60.8	3.3	45.0	-1.5	41.7	4.7	56.6	1.2
GEORGETOWN	39.5	-	39.3	-	43.6	-	53.5	-	62.7	-	71.8	-	77.0	-	74.1	-	67.9	-	59.6	-	44.7	-	41.2	-	56.2	-
LEWES	39.1	-	38.4	-	42.9	-	52.6	-	61.5	-	70.4	-	75.1	-	73.6	-	68.1	-	59.6	-	44.9	-	40.8	-	55.6	-
MILFORD	39.7M	3.8	37.7	1.9	-	-	-	-	71.5	-	71.5	-	76.7	-	73.6	-	68.6	-	60.4	2.2	44.8	-2.8	40.8	2.7	-	-
MILLSBORO	39.6	3.7	39.3	3.3	43.4	-1.1	53.4	-.5	62.4	-	70.9	-.8	76.1	-.9	73.7	-1.0	69.0	-.1	-	-	-	-	38.1M	3	-	
NEWARK COLLEGE FARM	35.0	4.0	35.6	5.6	41.9	-.8	51.5	-.4	62.4	-.3	70.1	-.2	75.1	-.3	73.3	-.6	66.8	-.4	58.4	3.0	41.2	-2.5	37.1	3.9	54.0	1.4
SMYRNA	37.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILMINGTON CASTLE WB AP	34.2	-	34.8	-	41.5	-	51.6	-	61.9	-	70.4	-	75.9	-	73.8	-	67.0	-	59.1	-	41.5	-	37.6	-	54.1	-.1
WILMINGTON PORTER RESV	35.0	2.3	35.1	2.5	41.4	-.9	51.7	-.4	61.9	-1.1	69.8	-1.5	75.0	-1.0	73.1	-	66.8	-1.3	59.0	2.2	41.3	-4.4	37.8	2.6	54.0	-.1
STATE AVERAGE	37.5	2.5	37.3	2.7	42.9	-.7	52.8	.2	62.7	-.5	71.1	-.4	76.1	.0	74.0	-.4	67.9	-.6	59.8	2.2	43.5	-3.2	39.6	2.9	55.4	.4
SECTION AVERAGE	36.7	3.1	36.8	3.2	43.1	-.2	53.0	.7	62.7	-.2	71.0	.1	76.0	.7	73.7	-.2	67.9	-.3	59.3	2.8	42.2	-3.2	38.4	3.0	55.1	.8

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages—mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about \$250,000 per year between 1940 and 1944, and nearly \$375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about \$100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about \$25,000 per year to meet the increasing needs

of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D. C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1951

Table 2

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure
ABERDEEN PHILLIPS FLD	2.88	-.27	3.86	-.86	3.76	-.53	2.23	-1.13	2.56	-1.01	5.57	1.99	4.20	-.12	1.08	-3.50	1.08	-2.26	2.25	-.29	6.05	3.24	5.38	2.71	40.60	-.75
ANNAPOLIS U S N ACADY	1.65	-1.72	2.62	-.59	2.30	-1.40	3.86	-.21	2.90	-1.14	8.86	4.83	2.20	-2.11	1.73	-2.79	1.39	-2.40	2.21	-.95	5.60	2.78	4.85	1.51	40.27	-3.77
BALTIMORE BLEDDIS PT	2.94	-	3.29	-	2.91	-	4.07	-	3.30	-	9.61	-	1.12	-	2.80	-	2.37	-	1.80	-	5.74	-	6.08	-	43.38	-
BALTIMORE WB AIRPORT R	2.88	-.85	3.36	-.56	3.70	-.22	3.69	-.16	3.92	-.07	8.80	5.11	1.84	-2.55	1.27	-3.57	4.13	-.86	2.02	-1.34	6.20	2.94	4.49	1.36	45.80	2.83
BALTIMORE WB CITY	2.85	-.59	3.56	-.37	3.21	-.49	3.63	-.10	3.84	-.23	9.14	5.37	3.11	-1.31	.77	-3.74	3.48	-.05	2.29	-.72	6.03	3.20	5.02	1.89	46.93	4.26
BALTIMORE PARKVILLE	2.43	-	2.96	-	3.39	-	4.79	-	3.38	-	6.39	-	1.99	-	.86	-	4.20	-	2.32	-	6.75	-	5.32	-	44.78	-
BELTSVILLE	1.71	-1.58	2.85	-.52	2.64	-.85	3.06	-.08	2.23	-3.86	11.32	8.01	3.06	-1.15	1.18	-3.83	2.58	-1.18	1.53	-1.88	5.42	2.37	3.97	1.10	41.53	-.41
BELTSVILLE PLY IND ST1	1.82	-	3.21	-	2.83	-	3.43	-	2.20	-	10.98	-	2.41	-	1.35	-	2.51	-	1.47	-	5.30	-	4.16	-	41.65	-
BELTSVILLE PLY IND ST2	1.78	-	3.27	-	2.71	-	3.39	-	2.24	-	10.32	-	1.78	-	1.53	-	2.47	-	1.38	-	5.14	-	4.01	-	40.02	-
BELTSVILLE PLY IND ST3	1.86	-	3.25	-	2.42	-	3.54	-	2.44	-	10.73	-	1.72	-	1.76	-	2.43	-	1.58	-	5.25	-	4.06	-	41.04	-
BELTSVILLE PLY IND ST4	1.84	-	3.13	-	2.64	-	3.39	-	2.27	-	10.32	-	1.51	-	1.84	-	2.13	-	1.51	-	4.99	-	4.39	-	39.96	-
BELTSVILLE PLY IND ST5	1.79	-	3.33	-	2.65	-	3.51	-	2.31	-	10.49	-	1.90	-	2.26	-	2.65	-	1.51	-	5.39	-	4.32	-	42.14	-
BELTSVILLE PLY IND ST6	1.94	-	3.26	-	2.57	-	3.61	-	2.43	-	10.16	-	1.77	-	2.12	-	2.59	-	1.51	-	5.30	-	4.44	-	41.70	-
BELTSVILLE SCS R 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENSON POLICE BRKS	3.08	-	4.00	-	3.85	-	4.02	-	3.76	-	6.59	-	6.54	-	.55	-	4.04	-	2.12	-	6.53	-	5.66	-	50.74	-
BENTLEY SPRINGS	3.35	-	4.10	-	3.21	-	3.38	-	2.00	-	7.98	-	4.53	-	5.75	-	3.12	-	2.46	-	5.87	-	4.89	-	50.44	-
BERTLIN	2.58	-	2.60	-	2.09	-	-	-	-	-	-	-	1.02	-	3.05	-	1.61	-	2.80	-	4.70	-	6.61	-	-	-
BETHESDA	2.64	-	2.83	-	2.64	-	3.85	-	1.92	-	10.11	-	.87	-	1.83	-	1.62	-	1.23	-	5.78	-	3.80	-	39.12	-
BETHESDA NAT INST WLS	1.52	-	2.14	-	2.84	-	2.53	-	2.48	-	4.39	-	4.33	-	3.49	-	4.40	-	2.22	-	5.25	-	4.21	-	39.80	-
BLACKWATER REFUG	2.67	-	3.10	-	2.64	-	3.77	-	2.30	-	12.24	-	1.95	-	.39	-	1.48	-	1.72	-	5.35	-	4.54	-	42.35	-
BROOKDALE	2.35	-	3.00	-	3.84	-	4.25	-	2.38	-	10.67	-	1.45	-	1.92	-	2.33	-	1.53	-	5.95	-	4.66	-	44.33	-
BROOKSIDE MANOR	2.68	-	3.46	-	2.96	-	-	-	2.95	-	9.93	-	2.34	-	5.09	-	3.67	-	1.63	-	5.34	-	4.66	-	42.89	-
BURNT MILLS RESERVOIR	2.39	-	3.58	-	3.19	-	3.83	-	2.24	-	10.14	-	1.81	-	1.43	-	2.61	-	1.35	-	5.73	-	4.59	-	42.89	-
CAMBRIDGE 5 W	1.63	-2.01	1.89	-1.42	3.00	-.83	4.01	-.40	3.23	-.40	4.41	-.63	2.71	-1.84	1.79	-3.08	6.07	2.66	2.92	-.26	5.92	3.07	3.94	-.78	41.52	-2.30
CHARLOTTE HALL	1.46	-1.84	2.18	-.92	2.86	-.45	3.54	-.07	2.29	-1.38	5.67	2.11	4.80	-.39	4.65	-.89	2.38	-.65	2.25	-1.07	6.44	3.81	5.07	2.11	43.59	2.15
CHEUTSWAN	1.51	-2.21	2.80	-.03	2.98	-.68	4.43	-.30	3.10	-.57	5.99	1.76	4.90	-.39	2.70	-2.23	2.49	-1.11	1.47	-1.57	6.32	3.54	3.87	-.65	42.56	1.50
CHRISTYTOWN	2.82	-.65	3.20	-.09	2.69	-.83	4.19	-.54	3.22	-	6.35	2.39	4.59	-.38	3.53	-3.68	1.04	-2.35	3.30	-.22	5.34	3.58	5.91	2.45	44.38	-1.69
CHRYSLER BRIDGEPORT	2.95	-2.35	3.25	1.08	3.88	-.88	2.99	-.02	1.96	-1.58	6.79	4.79	2.81	-.85	3.07	-.80	2.12	-.95	1.25	-1.72	4.18	1.82	5.02	2.41	42.28	5.57
CLEAR SPRING	3.05	-.58	3.55	-.93	4.39	-.83	4.60	-.96	2.44	-1.38	7.48	3.31	1.07	-2.95	1.33	-2.87	3.39	-.33	2.53	-.57	4.83	2.40	5.33	2.22	44.50	3.79
COCKEYSVILLE 2 NW	3.61	-	3.63	-	4.01	-	3.80	-	2.71	-	6.83	-	1.26	-	1.38	-	2.79	-	-	-	-	-	-	-	-	-
COLMAN	3.00	-.53	3.23	-.35	3.76	-.79	3.38	-.25	3.41	-.38	5.69	1.93	3.58	-.86	3.68	-4.06	-	-	2.88	-.35	5.90	3.11	5.02	1.59	-	-
COLLEGE PARK U OF M	2.36	-.95	2.78	-.24	3.39	-1.14	3.86	-.14	2.60	-1.26	10.57	6.98	1.56	-2.60	1.31	-1.18	2.55	-.88	1.63	-1.26	5.41	2.68	4.46	1.43	42.83	1.04
CONOWINGO DAM	4.03	-.60	3.60	1.01	3.81	-.35	3.30	-.11	3.02	-1.78	6.89	2.11	7.50	2.55	1.58	-4.13	1.10	-2.01	2.54	-.86	7.27	3.86	5.60	2.25	48.81	3.84
CONOWINGO POLICE BR	-	-	2.68	-	2.28	-	5.02	-	3.37	-	5.55	-	5.18	-	.33	-	1.14	-	2.27	-	6.62	-	5.12	-	-	-
CRISTFIELD	1.86	-1.80	2.29	-1.11	2.71	-1.44	3.20	-.67	5.33	1.76	5.20	1.71	4.15	-.92	5.26	-.71	2.12	-1.32	1.15	-.19	4.90	1.97	3.80	-.68	43.97	-.24
CUMBERLAND	3.16	-.67	3.64	1.30	4.02	1.02	3.67	-.79	2.59	-.80	7.43	3.55	2.58	-.68	1.08	-2.40	1.22	-1.53	.98	-1.35	3.34	1.16	4.05	1.58	37.76	3.11
CUMBERLAND POLICE BR	3.26	-	4.23	-	3.20	-	1.68	-	1.07	-	3.66	-	2.76	-	1.76	-	1.34	-	.81	-	3.97	-	-	-	-	-
DALECARLIA RESERVOIRDC	1.34	-	2.86	-	3.91	-	3.61	-	2.26	-	8.84	-	2.92	-	1.46	-	.70	-	1.30	-	6.20	-	5.67	-	41.07	-
DISTRICT HEIGHTS	2.19	-	2.57	-	3.21	-	3.61	-	3.13	-	8.28	-	2.89	-	2.08	-	3.16	-	2.20	-	-	-	5.13	-	-	-
DUNDALK	3.09	-	3.38	-	2.88	-	4.08	-	4.43	-	8.41	-	4.01	-	2.90	-	1.63	-	2.57	-	4.97	-	4.93	-	47.38	-
EASTON POLICE BRKS	1.66	-1.72	2.45	-.70	2.70	-1.00	3.93	-.54	2.26	-1.23	3.32	-.50	4.11	-.44	2.04	-2.42	2.39	-.98	1.89	-1.30	5.60	2.83	4.45	1.38	38.80	-5.54
EDGEHART	2.33	-.27	3.77	1.89	4.76	1.52	3.80	-.40	2.49	-2.37	7.80	3.95	2.31	-1.26	4.19	-.27	2.59	-	1.74	-2.11	4.81	1.39	5.08	2.08	45.77	5.19
ELKTON	5.53	-.14	3.55	-.64	3.61	-.14	2.34	-1.33	3.49	-.86	4.52	4.1	7.33	2.95	1.38	-4.10	1.64	-1.53	2.76	-.44	6.58	3.32	5.19	2.12	45.92	1.18
EMMITTSBURG	3.32	-.05	3.44	-.43	4.82	-.84	4.84	1.22	1.92	-2.28	-	-	3.09	-1.13	-	-	-	-	1.61	-1.94	7.45	4.12	5.93	2.77	-	-
FALLSTON	3.01	-.56	3.59	-.29	3.12	-.61	-	-	3.62	-.21	6.33	2.35	8.49	2.07	.74	-4.13	4.44	-.49	2.21	-1.22	6.54	3.31	5.73	2.29	-	-
FORT GEORGE G HEADS	3.12	-	3.62	-	3.45	-	3.59	-	3.61	-	8.76	-	2.26	-	1.43	-	2.44	-	2.45	-	5.74	-	-	-	45.25	-
FREDERICK POLICE BR	1.60	-1.55	4.02	1.16	3.12																					

Table 2-Continued

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1951

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure
UNIONVILLE	2.47	-	3.51	-	2.76	-	3.00	-	1.87	-	7.79	-	3.90	-	4.25	-	1.69	-	1.55	-	5.11	-	4.03	-	41.93	-
U S SOLDIERS HOME DC	1.71	-	3.09	-	2.78	-	3.79	-	2.23	-	8.81	-	3.42	-	3.78	-	3.84	-	1.60	-	5.18	-	4.52	-	44.74	-
VIENNA	1.75	-	2.63	-	3.62	-	2.86	-	2.16	-	4.77	-	4.14	-	2.95	-	3.53	-	2.38	-	3.78	-	5.08	-	39.64	-
VIENS MILL	2.65	-	2.56	-	3.61	-	4.23	-	2.58	-	10.20	-	1.61	-	1.12	-	1.43	-	1.69	-	5.70	-	4.68	-	42.06	-
WALDORF POLICE BRKS	1.70	-	3.29	-	2.97	-	3.39	-	2.58	-	8.01	-	2.89	-	4.61	-	2.61	-	1.73	-	5.83	-	5.38	-	43.15	-
WASHINGTON WB CITY	2.42	-1.13	2.57	- .70	3.17	- .58	3.93	-.66	3.23	- .47	9.28	5.15	2.50	-2.21	2.02	-1.99	1.91	-1.33	1.66	-1.18	5.01	2.64	4.77	1.45	42.47	.31
WATERLOO POLICE BRK	2.54	-	3.88	-	4.24	-	5.11	-	3.78	-	9.87	-	3.22	-	.78	-	3.79	-	1.86	-	6.14	-	4.77	-	-	-
WEST LANHAM HILLS	2.48	-	2.83	-	2.68	-	3.15	-	-	-	8.95	-	3.49	-	3.98	-	2.11	-	2.02	-	-	-	3.58	-	-	-
WESTERN PORT	-	-	3.07	-.77	3.69	-.68	4.02	-.90	3.23	-.44	5.28	1.29	2.82	-.89	1.25	-2.46	.26	-2.54	.41	-2.18	3.55	1.48	3.38	-.94	-	-
WESTMINSTER	3.48	.27	3.48	-.55	2.79	-.93	3.40	-.05	2.88	-.88	7.01	2.91	4.27	-.25	4.96	-.36	1.97	-1.78	1.91	-1.39	5.83	2.81	4.80	1.38	46.58	3.50
WHALEYSVILLE	1.38	-	.09	-	3.41	-	1.85	-	1.88	-	5.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHITE HALL	3.35	-	4.06	-	3.12	-	3.18	-	2.27	-	7.38	-	3.95	-	3.35	-	3.38	-	2.27	-	5.99	-	4.71	-	47.01	-
WILLIAMSPORT	2.49	-.16	3.85	1.93	3.57	-.26	4.03	-.88	2.65	-1.49	8.24	3.79	1.80	-1.33	1.18	-2.90	1.86	-.94	1.03	-2.52	4.68	1.65	4.80	1.65	40.18	.82
WOODSTOCK COLLEGE	3.21	-.08	3.07	-.08	2.97	-.58	3.56	-.28	2.93	-.79	8.33	4.53	2.16	-1.77	.55	-3.59	2.73	-.82	1.85	-1.26	5.38	2.54	4.71	1.68	41.45	.22
STATE AVERAGE	2.39	-.94	3.04	.12	3.14	-.40	3.55	.11	2.84	-.84	7.59	3.56	3.33	-.97	2.31	-2.10	2.51	-.88	1.96	-1.04	5.38	2.68	4.73	1.56	42.77	.86
DELAWARE																										
BRIDGEVILLE	1.30	-2.31	1.86	-1.40	2.41	-1.40	3.17	-.32	2.55	-1.17	6.07	2.48	6.12	1.00	2.80	-1.88	3.92	.55	3.09	-.03	6.59	3.88	5.00	1.86	44.88	1.27
CLAYTON	-	-	4.08	1.36	2.74	-.55	3.37	-.01	4.28	-.77	2.85	-.44	5.44	1.71	1.64	-2.79	.88	-2.59	3.17	-.39	6.08	3.49	5.37	2.08	42.98	2.82
DELAWARE CITY REEDY PT	2.26	-1.27	3.25	-.05	3.13	-.90	2.43	-1.15	4.76	-.95	3.68	-.02	4.76	-.04	3.00	-1.87	2.89	-.79	3.89	-.99	7.88	4.74	6.21	2.89	48.14	3.70
DOVER	1.45	-	2.54	-	2.81	-	2.72	-	-	-	5.32	-	6.00	-	2.20	-	3.61	-	2.84	-	6.14	-	3.74	-	-	-
GEORGETOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEWES	1.88	-	2.41	-	4.50	-	2.40	-	3.41	-	5.11	-	2.76	-	3.72	-	2.57	-	3.16	-	4.64	-	4.55	-	41.11	-
MILFORD	-	-	3.22	-.23	-	-	-	-	-	-	4.87	1.18	8.33	3.82	-	-	2.07	-1.45	1.88	-1.44	5.37	2.38	6.62	3.08	-	-
MILLSBORO	1.61	-2.26	-	-	3.55	-.55	2.01	-1.64	2.77	-.83	3.76	-.08	3.84	-.95	6.60	1.28	2.72	-.96	2.65	-.89	-	-	4.65	1.02	-	-
NEWARK COLLEGE FARM	3.62	-.47	3.87	-.89	4.15	-.71	2.47	-.98	4.05	-.26	4.33	-.60	5.41	-.49	2.61	-1.74	1.49	-1.87	2.68	-.41	6.71	3.77	5.82	2.24	47.21	3.91
SMYRNA	2.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILMINGTON NCATTLE WB AP	3.64	-	2.96	-	3.76	-	2.56	-	3.56	-	4.27	-	3.84	-	3.23	-	1.16	-	3.17	-	7.32	-	5.79	-	45.26	-
WILMINGTON CITY HALL	3.73	.21	2.73	-.43	4.29	.70	2.69	-.84	3.59	-.15	4.30	.30	2.51	-2.20	2.17	-2.76	1.91	-1.55	2.96	-.13	7.57	4.48	5.74	2.29	44.19	-.08
WILMINGTON PORTER RVR	3.75	.21	2.76	-.21	4.13	.35	2.52	-1.30	4.00	.22	4.51	.46	3.37	-1.42	1.35	-3.75	1.60	-2.02	2.76	-.22	7.47	4.28	6.00	2.70	44.22	-.70
STATE AVERAGE	2.43	-1.12	2.99	-.22	3.46	-.35	2.63	-.85	3.63	-.02	4.45	.64	4.94	.24	3.13	-1.65	2.29	-1.15	2.83	-.28	6.47	3.52	5.38	1.96	44.63	.72
SECTION AVERAGE	2.39	-.97	3.04	.09	3.17	-.40	3.47	.03	2.91	-.77	7.29	3.29	3.50	-.85	2.34	-2.11	2.49	-.90	2.05	-.97	5.48	2.75	4.79	1.59	42.92	.78

See reference notes following Station Index.

TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE
1951

Table 3

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
MARYLAND													
ABERDEEN PHILLIPS FLD	93	7-27+	8	12-17	3-27 (23°)	3-27 (23°)	3-27 (23°)	11-3 (25°)	11-3 (25°)	11-4 (22°)	222	221	221
ANNAPOLIS USN ACADEMY	93	7-22	12	2-8+	2-11 (22°)	3-27 (26°)	3-27 (26°)	11-3 (30°)	11-19 (26°)	12-14 (23°)	306	237	221
ANNAPOLIS WATER WORKS	96	7-27	-	-	-	-	4-21 (29°)	9-29 (30°)	11-3 (24°)	11-3 (24°)	-	-	161
BALTIMORE SLEEDS PT	96	7-22+	5	12-17	2-16 (24°)	3-27 (26°)	4-18 (32°)	11-4 (23°)	11-4 (23°)	11-4 (23°)	261	222	200
BALTIMORE WB AP	96	7-22+	5	12-17	3-27 (24°)	3-27 (24°)	4-18 (32°)	11-3 (25°)	11-3 (25°)	11-4 (22°)	222	221	199
BALTIMORE WB CITY	96	8-16	12	2-3+	2-11 (23°)	3-22 (27°)	3-26 (31°)	11-3 (31°)	11-18 (28°)	12-14 (24°)	306	241	222
BALTIMORE PARKVILLE	95	7-22+	6	12-17	3-22 (24°)	3-27 (27°)	3-27 (27°)	11-2 (31°)	11-4 (20°)	11-4 (20°)	227	222	220
BELTSVILLE	95	6-3+	-1	12-17	3-27 (17°)	4-21 (28°)	4-24 (30°)	10-26 (31°)	11-4 (18°)	11-4 (18°)	222	197	185
BELTSVILLE PLT IND STA 1	95	7-23	-2	12-17	4-18 (24°)	4-21 (28°)	4-24 (30°)	10-26 (30°)	11-4 (17°)	11-4 (17°)	200	197	185
BELTSVILLE PLT IND STA 2	95	7-23	-4	12-17	4-18 (24°)	4-21 (27°)	4-24 (29°)	9-29 (31°)	11-4 (17°)	11-4 (17°)	200	197	158
BELTSVILLE PLT IND STA 3	96	7-23	-1	12-17	3-27 (19°)	4-18 (26°)	4-24 (32°)	10-26 (32°)	11-4 (17°)	11-4 (17°)	222	200	185
BELTSVILLE PLT IND STA 4	95	7-23+	5	12-17	3-27 (22°)	3-27 (22°)	4-18 (30°)	11-3 (31°)	11-4 (19°)	11-4 (19°)	222	222	199
BELTSVILLE PLT IND STA 5	96	7-23	-3	12-17	4-18 (24°)	4-21 (27°)	4-24 (29°)	8-29 (31°)	11-4 (18°)	11-4 (18°)	200	197	127
BELTSVILLE PLT IND STA 6	96	7-23+	3	12-17	3-27 (17°)	4-18 (27°)	4-18 (27°)	11-4 (19°)	11-4 (18°)	11-4 (18°)	222	200	200
BENSON POLICE BRKS	97	7-27	2	12-17	3-27 (21°)	3-27 (21°)	4-21 (32°)	11-4 (19°)	11-4 (19°)	11-4 (19°)	222	222	197
BENTLEY SPRINGS	91	7-27	-4	12-17	3-27 (18°)	4-18 (27°)	5-14 (32°)	9-29 (32°)	11-3 (27°)	11-4 (17°)	222	199	138
BERLIN	-	-	-	-	-	-	-	11-3 (29°)	11-4 (25°)	11-19 (23°)	-	-	-
BETHESDA NAT INST HLTH	94	6-2+	0	12-17	3-27 (22°)	3-27 (22°)	4-21 (31°)	10-26 (30°)	11-3 (28°)	11-4 (19°)	222	221	188
BLACKWATER REFUGE	94	7-23+	10	2-9	3-27 (24°)	3-27 (24°)	4-18 (32°)	11-4 (16°)	11-4 (16°)	11-4 (16°)	222	222	200
BRIGHTON DAM	95	7-22+	-5	12-17	4-18 (23°)	4-21 (28°)	4-24 (30°)	9-29 (32°)	11-4 (17°)	11-4 (17°)	200	197	158
BROOKSIDE MANOR	97	7-22	4	12-17	3-27 (23°)	3-27 (23°)	-	11-4 (21°)	11-4 (21°)	11-4 (21°)	222	222	-
CAMBRIDGE 5 W	96	8-16	10	2-9+	3-27 (23°)	3-27 (23°)	3-27 (23°)	11-4 (26°)	11-4 (26°)	11-21 (24°)	239	222	272
CHARLOTTE HALL	95	7-23	6	12-17	2-11 (22°)	3-27 (25°)	4-18 (31°)	11-4 (24°)	11-4 (24°)	11-4 (24°)	266	222	200
CHELTENHAM	95	6-3	3	12-17	3-27 (22°)	4-18 (28°)	4-21 (32°)	11-4 (22°)	11-4 (22°)	11-4 (22°)	222	200	197
CHRISTERTOWN	95	7-27+	10	2-9	2-16 (22°)	3-27 (26°)	3-27 (26°)	11-3 (28°)	11-3 (28°)	11-21 (20°)	278	221	221
CHESWILL BRIDGEPORT	95	6-3+	-8	12-17	3-27 (21°)	4-18 (28°)	4-24 (32°)	10-13 (32°)	11-4 (23°)	11-4 (23°)	222	200	172
CLEAR SPRING	97	6-3	-1	12-17	3-27 (22°)	3-27 (22°)	4-18 (31°)	11-3 (30°)	11-4 (26°)	11-5 (22°)	223	222	199
COLEMAN	96	7-27+	10	2-9	3-22 (24°)	3-27 (26°)	3-27 (26°)	11-4 (25°)	11-4 (25°)	11-21 (24°)	244	222	222
COLLEGE PARK U OF MD.	96	7-22	3	12-17	3-27 (21°)	4-21 (28°)	4-24 (32°)	11-3 (30°)	11-4 (19°)	11-4 (19°)	222	197	193
CONOWINGO DAM	93	8-30	4	12-17	3-27 (20°)	3-27 (20°)	4-21 (32°)	11-3 (26°)	11-3 (26°)	11-4 (23°)	222	221	196
CONOWINGO POLICE BRKS	96	7-31	2	2-9	3-27 (17°)	4-18 (27°)	4-24 (30°)	9-29 (31°)	11-4 (21°)	11-4 (21°)	222	200	158
CRISFIELD	93	7-23+	15	2-8+	2-11 (23°)	2-11 (23°)	3-27 (31°)	11-4 (31°)	11-21 (24°)	11-21 (24°)	283	283	222
CUMBERLAND	98	8-31	-5	12-17	3-27 (21°)	4-18 (26°)	4-24 (32°)	9-29 (32°)	11-3 (25°)	11-4 (21°)	222	199	158
CUMBERLAND POLICE BRKS	102	6-2	-	-	4-18 (24°)	4-21 (27°)	4-25 (32°)	9-29 (28°)	9-29 (28°)	11-3 (20°)	199	161	157
DISTRICT HEIGHTS	95	6-2+	7	12-17	2-11 (23°)	3-27 (25°)	-	-	-	-	-	-	-
DUNDALK	95	7-27+	12	2-8+	2-16 (24°)	3-27 (28°)	3-27 (28°)	11-4 (25°)	11-4 (25°)	11-21 (24°)	278	222	222
EASTON POLICE BRKS	97	7-23	7	12-17	3-11 (24°)	3-27 (25°)	3-27 (25°)	11-4 (26°)	11-4 (26°)	11-22 (21°)	256	222	222
ELKTON	94	7-27	4	12-17	3-27 (20°)	3-27 (20°)	3-27 (20°)	11-3 (32°)	11-4 (22°)	11-4 (22°)	222	222	221
EMMITTSBURG	-	-	2	2-3	3-27 (24°)	3-27 (24°)	4-18 (31°)	11-3 (26°)	11-3 (26°)	11-4 (22°)	222	221	199
FALLSTON	92	8-16	1	12-17	3-27 (23°)	4-18 (26°)	4-18 (26°)	11-3 (30°)	11-4 (19°)	11-4 (19°)	222	200	199
FORT GEORGE G. MEADE	95	6-2+	-3	12-17	3-27 (15°)	4-24 (27°)	5-14 (31°)	10-9 (32°)	11-4 (18°)	11-4 (18°)	222	194	148
FREDERICK POLICE BRKS	96	7-27+	-	-	3-27 (21°)	3-31 (27°)	4-20 (32°)	10-9 (32°)	11-4 (19°)	11-4 (19°)	222	218	172
FREDERICK WB AP	96	7-23+	0	12-20	3-27 (19°)	4-18 (28°)	4-24 (32°)	10-26 (32°)	11-4 (21°)	11-4 (21°)	222	200	185
FRIENDSVILLE	92	6-3	-	-	4-20 (24°)	4-24 (28°)	5-14 (31°)	9-28 (32°)	9-29 (25°)	10-26 (24°)	189	158	137
FROSTBURG	91	6-3	-5	2-3	3-27 (21°)	4-18 (23°)	4-24 (30°)	9-29 (30°)	11-3 (18°)	11-3 (18°)	221	199	158
GERMANTOWN	95	8-10	1	12-17	3-27 (24°)	3-27 (24°)	4-18 (29°)	11-3 (32°)	11-4 (22°)	11-4 (22°)	222	222	199
GLSW DALE BELL STA	95	7-22	-1	12-17	3-27 (18°)	4-21 (28°)	4-24 (31°)	9-29 (31°)	11-4 (18°)	11-4 (18°)	222	197	158
GRASONVILLE	94	6-24+	-	-	3-27 (24°)	3-27 (24°)	3-27 (24°)	11-4 (24°)	11-4 (24°)	11-4 (24°)	222	222	222
GREENBELT	95	6-3+	-1	12-17	3-27 (17°)	4-21 (28°)	4-24 (30°)	10-26 (32°)	11-4 (18°)	11-4 (18°)	222	197	185
HAGERSTOWN	95	7-31	-2	2-3	3-26 (21°)	3-27 (23°)	4-18 (31°)	9-30 (30°)	11-3 (27°)	11-4 (23°)	223	221	165
HANCOCK FRUIT LAB	97	6-4	-18	12-17	4-18 (23°)	4-24 (27°)	5-14 (31°)	9-29 (29°)	10-10 (27°)	11-4 (20°)	200	169	138
HUNTINGTOWN	96	7-23	6	12-17	3-10 (24°)	3-27 (28°)	4-18 (32°)	11-4 (25°)	11-4 (25°)	11-19 (24°)	254	222	200
KEDYSVILLE	100	8-10	-10	12-17	4-18 (23°)	4-18 (23°)	4-24 (31°)	9-29 (32°)	11-3 (28°)	11-4 (22°)	200	199	158
LA PLATA	97	6-2+	5	12-17	3-26 (22°)	4-18 (26°)	4-20 (31°)	11-2 (32°)	11-4 (23°)	11-4 (23°)	223	200	196
LAUREL 3 W	-	-	8	2-8+	-	-	-	-	-	-	-	-	-
LEONARDTOWN 4 SSW	97	7-23	9	12-17	3-27 (23°)	3-27 (23°)	4-21 (32°)	11-4 (25°)	11-4 (25°)	11-21 (20°)	239	222	197
LISBON	95	7-22+	3	12-17	3-27 (20°)	3-27 (20°)	4-24 (32°)	9-29 (32°)	11-3 (25°)	11-4 (17°)	222	221	158
MIDDLE RIVER	93	7-22+	11	12-17	2-16 (23°)	3-22 (28°)	3-27 (28°)	11-4 (27°)	11-4 (27°)	11-20 (23°)	277	227	222
MILLINGTON	97	9-1	6	12-17	3-27 (20°)	3-27 (20°)	4-18 (30°)	11-4 (23°)	11-4 (23°)	11-4 (23°)	222	222	200
NEW GERMANY	88	6-4	-15	12-17	4-18 (19°)	4-18 (19°)	5-14 (29°)	9-24 (31°)	9-30 (28°)	11-3 (22°)	199	165	133
OAKLAND	89	6-3	-8	12-17	4-24 (24°)	4-24 (24°)	5-14 (28°)	9-24 (32°)	9-29 (23°)	9-29 (23°)	158	158	133
OCEAN CITY	92	6-25	14	2-9	2-11 (23°)	3-27 (28°)	3-27 (28°)	11-4 (32°)	11-19 (26°)	11-21 (24°)	283	237	222
OWINGS FERRY LANDING	90	7-23	7	2-9+	3-27 (24°)	3-27 (24°)	4-18 (31°)	11-4 (25°)	11-4 (25°)	11-19 (24°)	283	227	200
OXFORD	90	7-23	12	2-9	2-11 (21°)	3-22 (28°)	3-22 (28°)	11-4 (27°)	11-4 (27°)	11-21 (24°)	237	227	227
PICARDY	96	7-22+	-2	2-3	3-27 (20°)	4-18 (27°)	4-21 (32°)	9-29 (32°)	10-10 (28°)	11-4 (19°)	222	175	161
PIKESVILLE	99	8-16	6	2-8+	3-26 (24°)	3-26 (24°)	4-18 (30°)	11-4 (22°)	11-4 (22°)	11-4 (22°)	223	223	200
POCOMOKE CITY	98	7-23	12	12-17	3-27 (23°)	3-27 (23°)	4-18 (30°)	11-4 (25°)	11-4 (25°)	11-21 (20°)	239	222	200
PRESTON 1 S	95	6-24+	8	2-9	3-27 (22°)	3-27 (22°)	4-18 (31°)	11-4 (25°)	11-4 (25°)	11-21 (20°)	239	222	200
PRETTYBOY DAM	93	7-22	-	-	-	-	4-18 (30°)	11-2 (32°)	11-4 (20°)	11-4 (20°)	-	196	-
PRINCESS ANNE	95	6-24+	4	12-17	3-27 (18°)	4-18 (25°)	4-28 (30°)</						

TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE
1951

Table 3-Continued.

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
WHALEYSVILLE	-	-	-	-	3-27 (20°)	3-27 (20°)	4-24 (32°)	-	-	-	-	-	-
WOODSTOCK COLLEGE	96	8-16+	0	12-17	3-27 (18°)	4-18 (26°)	4-24 (31°)	9-29 (32°)	11- 4 (17°)	11- 4 (17°)	222	200	158
DISTRICT OF COLUMBIA													
BRIGHTWOOD	95	6- 3+	10	2- 8	2-11 (24°)	3-22 (27°)	3-27 (29°)	11- 4 (26°)	11- 4 (26°)	11-21 (22°)	283	227	222
DALECARLIA RESV	95	7-22+	4	12-17	3-27 (24°)	3-27 (24°)	4-18 (31°)	11- 4 (23°)	11- 4 (23°)	11- 4 (23°)	222	222	200
NATIONAL ARBORETUM	97	6- 2+	7	12-17	3-27 (24°)	3-27 (24°)	4-18 (32°)	11- 5 (22°)	11- 5 (22°)	11- 5 (22°)	223	223	201
U.S. SOLDIERS HOME	95	6- 3+	8	2- 8+	3-22 (24°)	3-22 (24°)	3-27 (27°)	11- 3 (32°)	11- 4 (24°)	11- 4 (24°)	227	227	221
WASHINGTON WB CITY	96	6- 2+	10	12-17	2-10 (21°)	3-22 (27°)	3-27 (30°)	11- 3 (31°)	11-18 (28°)	11-21 (23°)	284	241	221
DELAWARE													
BRIDGEVILLE	94	7-23	7	12-17	3-27 (20°)	3-27 (20°)	4-24 (32°)	11- 4 (23°)	11- 4 (23°)	11- 4 (23°)	222	222	194
CLAYTON	98	8-13	-	-	-	-	4-18 (31°)	11- 4 (19°)	11- 4 (19°)	11- 4 (19°)	-	-	200
DELAWARE CITY REEDY PT.	92	7-27	5	12-17	3-11 (24°)	3-27 (27°)	3-27 (27°)	11- 3 (31°)	11- 4 (24°)	11- 4 (24°)	238	222	221
DOVER	94	7-27	7	2- 9	2-16 (22°)	3-27 (25°)	3-27 (25°)	11- 4 (25°)	11- 4 (25°)	11-21 (22°)	278	222	222
GEORGETOWN	96	7-23	5	12-17	3-27 (18°)	4-18 (27°)	4-24 (30°)	10-26 (32°)	11- 4 (22°)	11- 4 (22°)	222	200	185
LEWES	94	8- 1	10	1- 9+	3-27 (21°)	3-27 (21°)	4-24 (32°)	11- 3 (31°)	11- 4 (23°)	11- 4 (23°)	222	222	193
MILFORD	-	-	7	12-17	-	-	-	11- 4 (22°)	11- 4 (22°)	11- 4 (22°)	-	-	-
MILLSBORO	94	6- 2+	5	12-17	3-27 (17°)	3-27 (17°)	4-24 (31°)	-	-	-	-	-	-
NEWARK COLLEGE FARM	93	7-27+	1	12-17	3-27 (19°)	3-27 (19°)	4-24 (32°)	11- 4 (19°)	11- 4 (19°)	11- 4 (19°)	222	222	194
WILMINGTON NCASTLE WB AP	94	7-27+	6	12-17	3-27 (22°)	3-27 (22°)	3-27 (22°)	11- 3 (27°)	11- 3 (27°)	11- 4 (24°)	222	221	221
WILMINGTON PORTER RESV.	92	7-27+	5	12-17	3-27 (24°)	3-27 (24°)	3-27 (24°)	11- 3 (26°)	11- 3 (26°)	11- 4 (24°)	222	221	221

See reference notes following Station Index.

TOTAL EVAPORATION AND WIND MOVEMENT

MARYLAND AND DELAWARE
1951

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	
BELTSVILLE	EVAP	-	-	-	-	4.46	B5.94	B7.77	6.48	4.97	3.54	-	-	-	
	DEP	-	-	-	-	1.70	- .52	.63	.29	.23	.25	-	-	-	
	WIND	-	-	-	-	988	864	1059	-	1227	1210	-	-	-	
SALISBURY U.S.G.S.	EVAP	-	-	4.07	5.36	6.86	6.43	B7.49	6.55	4.90	3.03	-	B .93	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	-	-	2745	2229	1931	1440	1351	1194	1056	1872	-	-	-	
SAVAGE RIVER DAM	EVAP	-	-	-	-	-	*	BV10.94	B5.78	-	*	-	-	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	-	-	-	-	-	*	V 2146	685	*	V1871	-	-	-	

STATION INDEX

MARYLAND AND DELAWARE
1951

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Temp.	Precip.	Evap.	Years of record	Opened or closed during yr.	Refer to tables	Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Temp.	Precip.	Evap.	Years of record	Opened or closed during yr.	Refer to tables	
MARYLAND													MIDDLE RIVER	5916	BALTIMORE		1 39 18	76 24	15	2					1 2 3	
ABERDEEN PHILLIPS FIELD	0015	HARFORD		1 39 28	76 10	62	33	33				1 2 3	MILLINGTON	5985	KENT		1 39 15	75 50	27	54	54				1 2 3	
ANNAPOLIS US NAVAL ACADEMY	0185	ANNIE ARUNDEL		1 38 59	76 29	40	86	86				1 2 3	NEW GERMANY	6408	GARRETT		7 39 38	79 07	2490	3	3				1 2 3	
ANNAPOLIS WATER WORKS	0193	ANNIE ARUNDEL		1 38 59	76 34	10	1	1			APR	1 2 3	OAKLAND	6620	GARRETT		9 39 24	79 24	2420	54	54			1 2 3		
BALTIMORE SLEDDS POINT	0460	BALTIMORE		1 39 12	76 34	133	3	3				1 2 3	OCEAN CITY	6665	WORCESTER		2 38 23	75 05	17	3	3				1 2 3	
BALTIMORE WB AIRPORT	0465	BALTIMORE		1 39 11	76 40	146	17	17				1 2 3	OWINGS FERRY LANDING	6770	CALVERT		6 38 41	76 41	120	35	35			1 2 3		
BALTIMORE WB CITY	0470	BALTIMORE		1 39 17	76 37	14	81	81				1 2 3	OXFORD	6785	TALBOT		1 38 42	76 10	10	15	15			1 2 3		
BALTIMORE PARKVILLE	0475	BALTIMORE		1 39 23	76 32	305	4	4				1 2 3	PATUXENT RIVER	6915	ST. MARYS		2 38 17	76 24	74	8	8			1 2 3		
BELTSVILLE	0700	PRINCE GEORGES		7 39 02	76 53	120	14	14				1 2 3	PERRY POINT	6980	CECIL		1 39 33	76 04	40	11	11			1 2 3		
BELTSVILLE PLT IND STA 1	0701	PRINCE GEORGES		7 39 02	76 56	160	3	3				1 2 3	PICARDY	7010	ALLEGANY		7 39 33	78 30	1030	25	25			1 2 3		
BELTSVILLE PLT IND STA 2	0702	PRINCE GEORGES		7 39 02	76 56	136	3	3				1 2 3	PIKESVILLE	7015	BALTIMORE		5 39 23	76 43	500	4	4			1 2 3		
BELTSVILLE PLT IND STA 3	0703	PRINCE GEORGES		7 39 02	76 56	200	3	3				1 2 3	POCOMOKE CITY	7140	WORCESTER		1 38 04	75 34	16	3	3			1 2 3		
BELTSVILLE PLT IND STA 4	0704	PRINCE GEORGES		7 39 02	76 56	265	3	3				1 2 3	ROCKVILLE	7310	CAROLINE		1 38 42	75 55	50	3	3			1 2 3		
BELTSVILLE PLT IND STA 5	0705	PRINCE GEORGES		7 39 01	76 57	100	3	3				1 2 3	PRETTYBOY DAM	7315	BALTIMORE		1 39 38	76 42	780	21	21			1 2 3		
BELTSVILLE PLT IND STA 6	0706	PRINCE GEORGES		7 39 01	76 57	215	3	3				1 2 3	PRINCESS ANNE	7330	SOMERSET		1 38 12	75 40	17	3	3			1 2 3		
BELTSVILLE SCS R 1	0714	MONTGOMERY		7 39 03	76 57	309	2	2				1 2 3	RANDALLSTOWN POLICE BRKS	7435	BALTIMORE		5 39 23	76 50	625	4	4			1 2 3		
BENSON POLICE BARRACKS	0732	HARFORD		1 39 50	76 23	365	4	4				1 2 3	RIDGELY	7575	CAROLINE		1 38 57	75 53	67	61	61			1 2 3		
BENTLEY SPRINGS	0737	BALTIMORE		1 39 41	76 41	730	3	3				1 2 3	RIVERDALE	7615	PRINCE GEORGES		7 38 58	76 56	50	6	6			1 2 3		
BERTLIN	0752	WORCESTER		2 38 20	75 13	30	1	1			AUG	1 2 3	ROCK HALL 3 N	7700	CECIL		1 39 11	76 14	38	58	58			1 2 3		
BETHESDA	0795	MONTGOMERY		7 38 58	77 07	320	7	7				1 2 3	ROCKVILLE	7705	MONTGOMERY		7 39 03	77 39	440	4	4			1 2 3		
BETHESDA NAT INST H				7 39 00	77 06	310	1	1			JAN	1 2 3	ROYAL OAK	7806	TALBOT		1 38 43	76 11	10	4	4			1 2 3		
BLACKWATER REFUGE	0915	DORCHESTER		1 38 26	76 08	5	11	11				1 2 3	SHALBURN	8000	WICOMICO		1 38 22	75 36	10	45	45			1 2 3		
BRIGHTON DAM	1125	MONTGOMERY		6 39 13	77 02	350	3	3				1 2 3	SALISBURY POLICE BRKS	8003	WICOMICO		1 38 25	75 34	42	4	4			1 2 3		
BROOKDALE	1120	MONTGOMERY		7 38 57	77 06	260	6	6				1 2 3	SALISBURY CAA AP	8005	WICOMICO		1 38 25	75 30	46	4	4			1 2 3		
BROOKSIDE MANOR	1180	PRINCE GEORGES		7 38 58	76 56	50	6	6				1 2 3	SALISBURY USGS	8007	WICOMICO		1 38 22	75 35	30	2	2			1 2 3		
BURN MILLS RESERVOIR	1276	MONTGOMERY		7 39 02	77 00	220	6	6				1 2 3	SAVAGE RIVER DAM	8065	GARRETT		7 39 31	79 08	1495	1	5	1			1 2 3	
CAMBRIDGE 5 W	1385	DORCHESTER		1 38 34	76 09	15	57	57				1 2 3	SHARPTON	8191	GARRETT		7 39 23	79 12	1700	2	2			1 2 3		
CHARLOTTE HALL	1685	ST. MARYS		6 38 28	76 44	167	30	30				1 2 3	SILVER HILL OBS	8210	WICOMICO		1 38 33	75 43	10	1	1			1 2 3		
CHELSEA	1710	PRINCE GEORGES		6 38 44	76 51	230	51	51				1 2 3	SINES DEEP CREEK	8289	PRINCE GEORGES		7 38 50	76 57	291	1	1			JAN		
CHESTERTOWN	1750	KENT		1 39 13	76 04	35	46	46				1 2 3	SNOW HILL 1 NE	8315	GARRETT		9 39 31	79 25	2038	27	27			1 2 3		
CHEWVILLE BRIDGEPORT	1790	WASHINGTON		7 39 38	77 41	560	54	54				1 2 3	SOLOMONS	8405	CALVERT		1 38 19	76 27	20	60	60			1 2 3		
CLEAR SPRING	1890	WASHINGTON		7 39 40	77 54	560	52	52				1 2 3	TAKOMA PARK MISS AVE	8726	MONTGOMERY		7 38 59	77 00	230	7	7			1 2 3		
COCKEYSVILLE 2 NW	1960	BALTIMORE		1 39 30	76 40	460	10	10				1 2 3	TOLONY	8855	WASHINGTON		7 39 40	78 15	550	27	27			1 2 3		
COLEMAN	1960	KENT		1 39 21	76 07	80	54	54				1 2 3	TOWSON	8877	BALTIMORE		5 39 24	76 36	415	14	39			1 2 3		
COLLEGE PARK UNI OF MD	1995	PRINCE GEORGES		7 38 59	76 56	95	65	65				1 2 3	UNIONVILLE	9030	FREDERICK		7 39 27	77 11	430	12	10			1 2 3		
COLLEGE PARK SCS	2000	MONTGOMERY		7 39 03	76 57	309	12	12				1 2 3	VIENNA	9140	DORCHESTER		1 38 29	75 50	12	3	3			1 2 3		
CONOWINGO DAM	2060	HARFORD		8 39 39	76 10	40	16	16				1 2 3	VIERMILL	9187	MONTGOMERY		7 39 03	77 05	920	2	2			1 2 3		
CONOWINGO POLICE BARRACKS	2063	HARFORD		8 39 39	76 11	195	4	4				1 2 3	WALDORF POLICE BARRACKS	9195	CHARLES		7 39 39	76 53	210	4	4			1 2 3		
CRISFIELD	2205	SOMERSET		1 37 59	75 51	5	32	32				1 2 3	WATERLOO POLICE BARRACKS	9314	HOWARD		5 39 10	76 47	230	4	4			1 2 3		
CUMBERLAND	2280	ALLEGANY		7 39 39	78 45	625	81	81				1 2 3	WEST LANHAM HILLS	9400	PRINCE GEORGES		7 38 57	76 53	165	4	4			1 2 3		
CUMBERLAND POLICE BARRACKS	2285	ALLEGANY		7 39 39	78 49	880	4	4				1 2 3	WESTERN PORT	9405	ALLEGANY		7 39 29	79 02	1000	58	58			1 2 3		
DISTRICT HEIGHTS	2585	PRINCE GEORGES		6 38 51	76 54	272	6	6				1 2 3	WESTMINSTER	9435	CARROLL		1 39 25	77 00	770	42	42			1 2 3		
DUNDALK	2660	BALTIMORE		1 39 16	76 31	28	3	3				1 2 3	WHITESVILLE	9497	WORCESTER		1 38 24	75 18	32	3	3			AUG		
EASTON POLICE BARRACKS	2700	TALBOT		1 38 46	76 01	60	61	61				1 2 3	WHITE HALL	9507	BALTIMORE		1 39 37	76 38	330	5	5			1 2 3		
EDGEMONT	2775	WASHINGTON		7 39 40	77 33	920	13	13				1 2 3	WILLIAMSPORT	9570	WASHINGTON		7 39 37	77 51	360	13	13			2		
ELKTON	2860	CECIL		1 39 36	75 50	28	25	25				1 2 3	WOODSTOCK COLLEGE	9750	BALTIMORE		5 39 20	76 53	415	82	82			1 2 3		
EXMITSBURG	2905	FREDERICK		7 39 41	77 21	720	85	85				1 2 3	DISTRICT OF COLUMBIA													
FALLSTON	3090	HARFORD		1 39 31	76 25	450	82	82				1 2 3	BRIGHTWOOD	1135			7 38 57	77 01	260	5	5			1 3		
FORT GEORGE G MEADE	3230	ANNIE ARUNDEL		6 39 07	76 46	195	10	10				1 2 3	DALCARIA RESERVOIR	2325			7 38 56	77 07	146	6	6			1 2 3		
FREDERICK POLICE BARRACKS	3348	FREDERICK		7 39 25	77 26	380	4	4				1 2 3	NATIONAL ARBORETUM	6350			7 38 54	76 58	70	6	6			1 2 3		
FREDERICK WB AIRPORT	3350	FREDERICK		7 39 25	77 23	294	8	8				1 2 3	U S SOLDIERS HOME	9035			7 38 56	77 01	230	6	6			1 2 3		
FREDERICK 3 E	3355	FREDERICK		7 39 24	77 22	385	3	3				1 2 3	WASHINGTON WB CITY	9290			7 38 54	77 03	72	81	81			1 2 3		
FRIENDSVILLE	3401	GARRETT		9 39 40	79 24	1510	2	2				1 2 3	DELAWARE													
FROSTBURG	3410	ALLEGANY		7 39 39	78 56	2100	50	50				1 2 3	BRIDGEVILLE	1330	SUSSEX		1 38 46	75 38	45	61	61			1 2 3		
GERMANTOWN	3585	MONTGOMERY		7 39 10	77 17	460	31	31				1 2 3	CLAYTON	1483	KENT		2 39 18	75 38	40	1	1			1 2 3		
GLEN ECHO	3645	MONTGOMERY		7 38 58	77 09	150	7	7				1 2 3	DELAWARE CITY REEDY POINT	2025	NEW CASTLE		2 39 34	75 35	10	65	65			1 2 3		
GLEN DALE BELL STATION	3675	PRINCE GEORGES		6 38 58	76 48	151	31	31				1 2 3	DOVER	2730	KENT		2 39 10	75 32	34	64	64			1 2 3		
GRANTSVILLE	3755	GARRETT		4 39 42	79 09	2300	9	9				1 2 3	GEORGETOWN	3970	SUSSEX		1 38 39	75 27	50	6	6			1 2 3		
GRASSVILLE	3805	QUEEN ANNES		7 39 57	76 12	8	4	4				1 2 3	LEWES	5320	SUSSEX		2 38 46	75 08	10	7	7			1 2 3		
GREENBELT	3860	PRINCE GEORGES		7 39 01	76 52	200	-	-				1 2 3	MILFORD	5915	SUSSEX		2 38 35	75 26	10	56	56			1 2 3		
HAGERSTOWN	3975	WASHINGTON		7 39 39	77 44	660	10	10				1 2 3	MILLSBORO	6410	NEW CASTLE		2 39 39	75 46	110	39	39			1 2 3		
HANCOCK FRUIT LABORATORY	4020	WASHINGTON		7 39 42	78 11	428	18	18				1 2 3	NEWARK COLLEGE FARM	6510	KENT		2 39 15	75 36	45	4	4			1 2 3		
HUNTINGTOWN	4485	CALVERT		6 38 37	76 37	160	16	16				1 2 3	SMYRNA	8510			2 39 40	75 36	73	4	4			1 2 3		