WS FORM E-15
(7-79)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological): University of Maryland	(River Station, if different): [illegible]	MONTH: Jan	19 90
STATE: Maryland	COUNTY: Washington	RIVER	
TIME (local) OF OBSERVATION RIVER	TEMP.: 8 AM	PRECIPITATION: 8 AM	STANDARD TIME IN USE: E
TYPE OF RIVER GAGE	ELEVATION OF RIVER GAGE ZERO Ft.	FLOOD STAGE Ft.	NORMAL POOL STAGE Ft.

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets, hail (ins. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (ins.)	WEATHER (Calendar Day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.,)
1	43	33	38	.54	0												
2	43	27	27	0	0												
3	48	27	29	0	0												
4	55	29	38	T	0												
5	54	38	42	.09	0												
6	47	38	38	0	0												
7	51	25	32	0	0												
8	43	31	33	0	0												
9	37	30	30	.27	1.3	1											Mixture of snow, sleet & ice
10	48	35	47	.01	0	T											
11	49	34	36	0	0												
12	54	38	38	0	0												
13	40	28	29	0	0												
14	36	19	29	0	0												
15	47	29	35	.05	1.2	1											
16	50	35	42	0	0												
17	66	36	36	0	0												
18	70	36	58	0	0												
19	72	35	35	0	0												
20	43	35	38	.04	0												
21	44	38	39	.15	0		X										
22	58	39	42	.05	0												
23	55	36	42	0	0												
24	53	42	46	.02	0												
25	62	46	52	.17	0												
26	56	36	36	.72	T	T											Mixed snow & rain at observation
27	41	26	36	.04	0												
28	54	36	45	0	0												
29	56	38	40	0	0												
30	43	37	40	1.34	0												
31	50	28	28	0	0												
SUM	1568	1040	SUM	3.49	2.5	X											
				Greatest			Fog	Ice Pel.	Glaze	Thund	Hail	Dam. Winds	SUM			X	

Draw a straight line (——) through hours precipitation was observed, and a waved line (~~~) through hours precipitation probably occurred unobserved.

Mark 'X' for all types occurring each day.

CHECK BAR (For wire-weight) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER: Gary S. Schneidhorst

SUPERVISING OFFICE

STATION INDEX NO.

WS FORM E-15
(7-79)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological) University of Maryland	(River Station, if different) WMREC	MONTH Feb	19 90
STATE Maryland	COUNTY Washington	RIVER	
TIME (local) OF OBSERVATION RIVER	TEMP. 8 AM	PRECIPITATION 8 AM	STANDARD TIME IN USE E
TYPE OF RIVER GAGE	ELEVATION OF RIVER GAGE ZERO Ft.	FLOOD STAGE Ft.	NORMAL POOL STAGE Ft.

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets, hail (ins. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (ins.)	Draw a straight line (——) through hours precipitation was observed, and a waved line (〰) through hours precipitation probably occurred unobserved. (A.M. NOON P.M.)	WEATHER (Calendar Day) Mark 'X' for all types occurring each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.,)
1	57	30	30	0														
2	59	30	47	0														
3	59	47	48	.07														
4	49	44	45	.24														
5	48	28	29	.09														
6	50	29	36	0														
7	66	36	41	.09														
8	57	30	30	0														
9	61	30	46	0														
10	59	46	47	*														Precip. measured on the
11	48	28	35	*														12th included precip from
12	48	33	38	.59														the 10th & 11th
13	47	30	36	0														
14	63	38	55	0														
15	62	41	42	0														
16	54	42	52	.04														
17	68	41	41	.01														
18	43	19	28	0														
19	46	28	44	0														
20	60	28	28	0														
21	45	21	28	0														
22	57	28	42	0														
23	61	42	58	.06														
24	69	38	38	.41					X									
25	45	20	21	.01														
26	27	13	18	0														
27	31	18	28	0														
28	44	28	40	0														
29																		
30																		
31																		
SUM	1483	886	SUM	1.61 Greatest				Fog	Ice Pel.	Glaze	Thund	Hail	Dam. Winds	SUM				

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

CHECK BAR (For wire-weight) NORMAL CK. BAR

READING	DATE

OBSERVER G. Schetrompf

SUPERVISING OFFICE

STATION INDEX NO.

WS FORM E-15
(7-87)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological): University of Maryland (River Station, if different): WMREC
MONTH: Mar 19 90
STATE: Maryland
COUNTY: Washington
RIVER:
TIME (local) OF OBSERVATION RIVER:
TEMP.: 8 AM
PRECIPITATION: 8 AM
STANDARD TIME IN USE: E
TYPE OF RIVER GAGE:
ELEVATION OF RIVER GAGE ZERO: Ft.
FLOOD STAGE: Ft.
NORMAL POOL STAGE: Ft.

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Ins. and hundredths)	Snow, ice pellets hail (Ins. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (Ins.)	WEATHER (Calendar Day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.,)
1	48	22	24	0													
2	50	24	37	0													
3	55	24	39	0													
4	60	21	30	0													
5	47	30	33	0													
6	52	33	35	0													
7	43	17	19	0													
8	43	19	28	0													
9	50	28	40	.01													
10	63	40	47	.06													
11	73	47	55	0													
12	70	53	56	0													
13	88	56	63	0													
14	88	51	59	0													
15	87	53	61	0													
16	85	61	71	0													
17	79	65	72	.07													
18	72	49	51	.34													
19	62	39	50	0													
20	58	32	32	.52	1.2	1											
21	37	29	32	0													
22	59	27	38	0													
23	68	32	44	0													
24	65	33	62	.16	1.8	2											
25	40	36	38	.04	0	0											
26	52	33	38	0													
27	50	24	32	0													
28	45	18	32	0													
29	54	40	42	0													
30	45	40	40	.12													
31	48	40	42	.05													
SUM			SUM	1.37													
				Greatest													

Drow a straight line (——) through hours precipitation was observed, and a waved line (~~) through hours precipitation probably occurred unobserved.

A.M. NOON P.M.

CHECK BAR (For wire-weight) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER: G. Schetrompf

SUPERVISING OFFICE:

STATION INDEX NO.

STATION (Climatological): University of Maryland WMREC
(River Station, if different):
MONTH: April 19 90

WS FORM E-15 (7-87)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATE: Maryland
COUNTY: Washington
RIVER:
TIME (local) OF OBSERVATION RIVER:
TEMP.: 8 AM
PRECIPITATION: 8 AM
STANDARD TIME IN USE: ED
TYPE OF RIVER GAGE:
ELEVATION OF RIVER GAGE ZERO: Ft.
FLOOD STAGE: Ft.
NORMAL POOL STAGE: Ft.

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets, hail (ins. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (ins.)	WEATHER (Calendar Day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___A.M.	TENDENCY	REMARKS (Special observations, etc.,)
1	49	42	42	*													Rain recorded on the 2nd is the total precip for 1st & 2nd.
2	53	47	48	.44													
3	65	37	37	1.21													
4	48	35	37	0													
5	50	37	45	0													
6	60	41	42	0													
7	43	33	34	.64	1.5	2											
8	44	25	33	.02													
9	53	28	29	0													
10	64	29	47	0													
11	63	47	49	.23													
12	51	33	38	0													
13	45	22	24	0													
14	54	24	43	0													
15	66	43	52	.29													
16	67	39	39	0													
17	67	43	52	0													
18	66	30	33	.06													
19	53	26	30	0													
20	62	30	47	0													
21	65	47	59	.08													
22	65	38	46	0													
23	74	39	41	0													
24	79	37	44	0													
25	84	43	50	0													
26	82	50	58	0													
27	90	50	55	0													
28	91	55	68	0													
29	85	62	62	0													
30	67	53	53	.47													
31	—	—	—	—													
SUM	1905	1165	SUM	3.44	1.5								SUM				
				Greatest	1.5	2											

Draw a straight line (——) through hours precipitation was observed, and a waved line (~~~) through hours precipitation probably occurred unobserved.

Mark 'X' for all types occurring each day.

CHECK BAR (For wire-weight) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER: C. Schetrompf

SUPERVISING OFFICE:

STATION INDEX NO.:

WS FORM E-10
(7-87)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological): University of Maryland (River Station, if different): WMREC
MONTH: May 19 90
STATE: Maryland
COUNTY: Washington
RIVER:
TIME (local) OF OBSERVATION RIVER:
TEMP.: 8AM
PRECIPITATION: 8AM
STANDARD TIME IN USE:
TYPE OF RIVER GAGE:
ELEVATION OF RIVER GAGE ZERO: Ft.
FLOOD STAGE: Ft.
NORMAL POOL STAGE: Ft.

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets, hail (ins. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (ins.)	Draw a straight line (——) through hours precipitation was observed, and a waved line (~~) through hours precipitation probably occurred unobserved. (A.M. NOON P.M.)	WEATHER (Calendar Day) Mark 'X' for all types occurring each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.,)
1	67	48	51	.05				X										
2	74	47	57	0														
3	65	51	51	.01														
4	61	50	51	.08														
5	55	49	52	*														Precip. measured is total between the 5th & 6th.
6	69	43	48	.82								X						
7	62	36	43	0														
8	72	50	55	0														
9	79	51	60	0														
10	80	60	62	.32														
11	68	47	50	1.39								X						
12	65	35	45	0														
13	60	45	60	*														Precip measured on the 14th is total for the 13th & 14th.
14	69	49	51	1.05								X						
15	75	52	57	0														
16	74	57	67	0														
17	80	60	62	.13								X						
18	79	58	61	.0														
19	72	42	50	0														
20	78	50	60	0														
21	72	60	61	.36				X										
22	72	51	51	0														
23	63	43	46	0				X										
24	68	46	50	0														
25	71	44	50	0														
26	74	50	58	1.43														
27	61	52	53	.24														
28	63	49	57	0														
29	62	47	47	.71														
30	53	52	43	.62														
31	68	39	47	0														
SUM	2131	1511	SUM	7.21														
				Greatest				Fog	Ice Pel.	Glaze	Thund	Hail	Dam. Winds	SUM				

CHECK BAR (For wire-weight) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER: Gary Schetrompf

SUPERVISING OFFICE:

STATION INDEX NO.:

WS FORM E-15
(7-87)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological): University of Maryland	(River Station, if different): WMREC	MONTH: June	19 90
STATE: Maryland	COUNTY: Washington	RIVER:	
TIME (local) OF OBSERVATION RIVER:	TEMP.: 8AM	PRECIPITATION: 8AM	STANDARD TIME IN USE: ED
TYPE OF RIVER GAGE:	ELEVATION OF RIVER GAGE ZERO: Ft.	FLOOD STAGE: Ft.	NORMAL POOL STAGE: Ft.

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Ins. and hundredths)	Snow, ice pellets, hail (Ins. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (Ins.)	WEATHER (Calendar Day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.,)
1	73	#47	51	0													
2	79	51	67	0													
3	82	62	64	0													
4	81	60	64	.30													
5	69	41	47	0													
6	69	47	57	0													
7	84	57	69	.05													
8	83	56	62	0													
9	84	62	72	0													
10	84	60	68	.12													
11	78	56	61	0													
12	75	45	51	0													
13	79	50	58	0													
14	80	55	64	0													
15	90	56	64	.01													
16	74	56	66	0													
17	84	62	70	0													
18	86	66	70	0													
19	89	61	66	.38													
20	81	52	59	0													
21	80	60	64	.03													
22	86	57	66	0													
23	84	63	63	0													
24	82	60	64	.19													
25	74	54	60	0													
26	79	54	57	0													
27	85	60	62	0													
28	87	59	64	0													
29	90	59	66	0													
30	94	#65	76	.05													
31																	
SUM	2443	1693	SUM	1.13													
				Greatest													

Draw a straight line (——) through hours precipitation was observed, and a waved line (~~) through hours precipitation probably occurred unobserved.

A.M. NOON P.M.

Mark 'X' for all types occurring each day.

CHECK BAR (For wire-weight) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER: Gary Schetrompf

SUPERVISING OFFICE:

STATION INDEX NO.

WS FORM E-19
(7-87)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological): University of Md - WMREC (River Station, if different):
MONTH: July 19 90
STATE: Maryland
COUNTY: Washington
RIVER:
TIME (local) OF OBSERVATION RIVER: TEMP. 8AM PRECIPITATION 8AM
STANDARD TIME IN USE: ED
TYPE OF RIVER GAGE:
ELEVATION OF RIVER GAGE ZERO: Ft.
FLOOD STAGE: Ft.
NORMAL POOL STAGE: Ft.

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Ins. and hundredths)	Snow, ice pellets, hail (Ins. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (Ins.)	WEATHER (Calendar Day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT A.M.	TENDENCY	REMARKS (Special observations, etc.,)
1	88	64	67	*						X							* Rain recorded on the 2nd is total for the 1st & 2nd.
2	83	57	61	.46						X							
3	84	55	62	0													
4	87	63	72	0													
5	97	76	78	0													
6	97	60	63	.05													
7	88	62	65	0													
8	78	64	70	0													
9	83	68	73	0													
10	99	70	73	0													
11	93	67	69	.37						X							
12	75	64	66	.43													
13	78	58	59	1.55													Rain recorded on the 16th is three day total of 14, 15, 16 July.
14	63	59	63	*													
15	73	70	73	*													
16	82	62	63	1.65													
17	84	62	64	0													
18	89	64	67	0													
19	89	64	68	0													
20	89	66	71	0													
21	86	66	69	.22													
22	85	66	69	.37													
23	84	66	70	.13													
24	84	58	62	0													
25	84	58	61	0													
26	85	57	61	0													
27	85	60	65	0													
28	87	65	69	0													
29	86	63	67	0													
30	84	66	70	0													
31	85	70	72	0													
SUM	2634	1970	SUM	5.23													
				Greatest													

Draw a straight line (——) through hours precipitation was observed, and a waved line (~~) through hours precipitation probably occurred unobserved.

A.M. NOON P.M.

CHECK BAR (For wire-weight) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER: G. SCHETROMPF

SUPERVISING OFFICE

STATION INDEX NO.

WS FORM E-15
(7-87)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological): University of Maryland - WMREC
(River station, if different)
MONTH: Aug. 19 90
STATE: Maryland
COUNTY: Washington
RIVER:
TIME (local) OF OBSERVATION RIVER
TEMP. 8 AM
PRECIPITATION 8AM
STANDARD TIME IN USE ED
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Ins. and hundredths)	Snow, ice pellets, hail (Ins. and tenths)	At Ob. Snow, ice pellets, hail, (on ground (Ins.)	WEATHER (Calendar Day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___A.M.	TENDENCY	REMARKS (Special observations, etc.,)
1	82	54	59	0													
2	81	51	55	0													
3	82	52	52	0													
4	86	52	66	0													
5	85	66	70	0													
6	78	69	70	1.22													
7	85	64	64	.29													
8	81	57	57	0													
9	83	57	63	0													
10	68	62	65	.17													
11	78	63	66	0													
12	81	59	65	0													
13	85	64	65	0													
14	88	60	61	.45						X							
15	82	60	63	0			X										
16	86	61	64	0													
17	85	59	65	0													
18	86	61	68	0													
19	87	68	70	0													
20	88	60	60	1.15						X							
21	64	58	60	.04													
22	67	60	62	.46													
23	66	62	63	.22													
24	69	63	67	.25													
25	79	63	67	.02													
26	85	65	66	0													
27	86	64	63	0													
28	89	66	70	0													
29	92	62	65	.12						X							
30	86	54	60	0													
31	80	52	58	0													
SUM	2523	1807	SUM	4.39 Greatest			Fog	Ice Pel.	Glaze	Thund.	Hail	Dam. Winds	SUM				

Draw a straight line (——) through hours precipitation was observed, and a waved line (~~) through hours precipitation probably occurred unobserved.

A.M. NOON P.M.

Mark 'X' for all types occurring each day.

CHECK BAR (For wire-weight) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER G. SCHETROMPF

SUPERVISING OFFICE

STATION INDEX NO.

STATION (Climatological) U of Md / WHREC (River Station, if different) | MONTH SEPT | 19 90

STATE MARYLAND | COUNTY WASHINGTON | RIVER

TIME (local) OF OBSERVATION RIVER | TEMP. 7:30 | PRECIPITATION 7:30 | STANDARD TIME IN USE ED

TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO Ft. | FLOOD STAGE Ft. | NORMAL POOL STAGE Ft.

WS FORM E-15 (7-87)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets, hail (ins. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (ins.)	WEATHER (Calendar Day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.,)
1	82	55	62	0													
2	81	61	66	0													
3	86	56	60	0													
4	80	52	55	0													
5	78	54	57	0													
6	82	57	67	0													
7	87	57	67	0													
8	85	57	60	.08													
9	77	60	61	.03													
10	68	61	62	0													
11	88	53	56	0													
12	85	56	65	0													
13	82	64	64	.34													
14	69	59	62	0													
15	74	61	64	.12													
16	73	46	53	0													
17	68	40	42	.19							X						
18	61	33	33	0													
19	65	33	51	0													
20	60	49	50	.17													
21	70	43	43	0			X										
22	68	44	59	0.44													
23	74	46	50	0													
24	59	39	40	0													
25	64	40	44	0													
26	69	49	56	0.13													
27	68	48	50	.13													
28	73	47	51	0													
29	75	51	54	0													
30	79	52	57	0													
31																	
SUM	2298/30	1510	SUM	1.52									SUM				
				Greatest													

Draw a straight line (——) through hours precipitation was observed, and a waved line (~~) through hours precipitation probably occurred unobserved.

A.M. NOON P.M.

Mark 'X' for all types occurring each day.

CHECK BAR (For wire-weight) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER G. L. SCHETROMPF

SUPERVISING OFFICE

STATION INDEX NO.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

(7-87)

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION: University of Maryland - WMREC | MONTH: Oct | 19 90

STATE: Maryland | COUNTY: Washington | RIVER:

TIME (local) OF OBSERVATION: TEMP. 7:30 AM | PRECIPITATION 7:30 AM | STANDARD TIME IN USE: ED

TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO Ft. | FLOOD STAGE Ft. | NORMAL POOL STAGE Ft.

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets, hail (ins. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (ins.)	WEATHER (Calendar Day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.,)
1	72	41	41	.06													
2	71	48	55	0													
3	69	35	35	0													
4	71	35	65	0													
5	71	43	47	.16													
6	79	47	57	0													
7	83	48	48	0													
8	82	48	60	0													
9	76	60	63	.02													
10	84	60	60	0													
11	81	52	68	1.03													
12	70	57	57	.31													
13	73	50	63	2.90													
14	75	61	61	0													
15	73	50	51	0													
16	70	37	38	0													
17	67	38	51	0													
18	73	47	65	0													
19	68	45	47	.87													
20	51	29	36	0													
21	59	36	44	0													
22	64	44	46	0													
23	61	46	60	1.36													
24	63	51	51	.06													
25	63	36	36	0													
26	61	36	43	0													
27	48	26	33	0													
28	56	33	45	0													
29	56	38	43	0													
30	53	25	29	0													
31	64	29	45	0													
SUM	2037	1331	SUM	6.77													
				Greatest			Fog	Ice Pel.	Glaze	Thund	Hail	Dam. Winds	SUM				

Draw a straight line (——) through hours precipitation was observed, and a waved line (〰) through hours precipitation probably occurred unobserved.

A.M. NOON P.M.

Mark 'X' for all types occurring each day.

CHECK BAR (For wire-weight) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER: SCHETROMPF

SUPERVISING OFFICE

STATION INDEX NO.

WS FORM E-15
(7-87)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological): U of Md WHREC (River Station, if different)
MONTH: Nov 19 90
STATE: MARYLAND
COUNTY: WASHINGTON
RIVER:
TIME (local) OF OBSERVATION RIVER — TEMP. 9:30 — PRECIPITATION 7:30
STANDARD TIME IN USE: E
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Ins. and hundredths)	Snow, ice pellets, hail (Ins. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (Ins.)	WEATHER (Calendar Day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT A.M.	TENDENCY	REMARKS (Special observations, etc.,)
1	67	30	33	0													
2	75	39	43	0													
3	71	40	50	0													
4	76	39	41	0													
5	67	37	40	0													
6	73	47	42	.29													
7	54	27	32	0													
8	51	32	36	0													
9	45	25	35	0													
10	46	35	44	.40													
11	47	37	37	.60													
12	52	35	36	0													
13	46	32	37	0													
14	46	27	34	0													
15	52	26	31	0													
16	68	31	48	0													
17	71	47	47	.11													
18	52	29	30	0													
19	46	20	22	0													
20	53	23	32	0													
21	54	21	23	0													
22	33	30	30	0													
23	55	30	45	.23													
24	63	40	40	0													
25	54	38	47	0													
26	68	36	36	0													
27	70	36	44	0													
28	60	36	46	0													
29	69	41	41	0													
30	46	28	30	0													
31	—	—	—	—													
SUM			SUM	1.63			Fog	Ice Pel.	Glaze	Thund.	Hail	Dam. Winds	SUM				
				Greatest													

Draw a straight line (——) through hours precipitation was observed, and a waved line (~~~) through hours precipitation probably occurred unobserved.

A.M. NOON P.M.

Mark 'X' for all types occurring each day.

CHECK BAR (For wire-weight) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER: SCHETROMPF

SUPERVISING OFFICE

STATION INDEX NO.

WS FORM E-15
(7-87)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological)	University of Maryland
(River Station, if different)	WMREC
MONTH	Dec
19	90
STATE	Maryland
COUNTY	Washington
RIVER	
TIME (local) OF OBSERVATION RIVER	
TEMP.	7:30 AM
PRECIPITATION	7:30 AM
STANDARD TIME IN USE	E
TYPE OF RIVER GAGE	
ELEVATION OF RIVER GAGE ZERO	Ft.
FLOOD STAGE	Ft.
NORMAL POOL STAGE	Ft.

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Ins. and hundredths)	Snow, ice pellets, hail (Ins. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (Ins.)	WEATHER (Calendar Day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.,)
1	45	20	22	0													
2	60	22	30	0													
3	52	30	36	.04													
4	53	36	47	1.63													
5	40	30	30	0													
6	36	21	28	0													
7	54	26	29	0													
8	43	24	24	0													
9	48	24	31	0													
10	52	28	46	0													
11	56	21	24	0													
12	45	21	25	.0													
13	56	25	47	0													
14	61	25	25	0													
15	40	23	32	*													* Rain measured on 16th is 2 day total.
16	38	32	42	.81													
17	43	32	32	0													
18	43	32	41	.53													
19	61	41	43	.19													
20	46	21	22	0													
21	46	22	38	.13													
22	49	38	48	*													* Rain recorded for the 24th is 3 day total
23	61	48	12	*													
24	62	37	37	.76													
25	36	13	14	0													
26	31	14	20	0													
27	33	20	21	0													
28	26	20	21	.63	11.5	12											
29	31	21	31	0		8											
30	40	31	40	0		5											
31	57	36	36	.18		T											
SUM	1438	834	SUM	4.95			Fog	Ice Pel.	Glaze	Thund	Hail	Dam. Winds	SUM				
				Greatest	11.5												

Draw a straight line (——) through hours precipitation was observed, and a waved line (~~~) through hours precipitation probably occurred unobserved.

A.M. NOON P.M.

1 2 3 4 5 6 7 8 9 10 11 1 2 3 4 5 6 7 8 9 10 11

Mark 'X' for all types occurring each day.

CHECK BAR (For wire-weight) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER G. SCHETROMPF

SUPERVISING OFFICE

STATION INDEX NO.