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): U. of Md. WMREC (River Station, if different:)
MONTH: January 19 86
STATE: MARYLAND
COUNTY: WASHINGTON
RIVER:
TIME (local) OF OBSERVATION RIVER:
TEMP.: 8AM
PRECIPITATION: 8AM
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	41	29		0													
2	40	18		0													
3	47	31		.01													
4	54	28		T													
5	43	28		0													
6	40	22		0													
7	41	21		0													
8	28	15		0													
9	29	8		0													
10	46	18		0													
11	49	19		0													
12	44	21		0													
13	59	34		0													
14	38	16		0													
15	24	12		T	T	T											
16	28	10		0		0											
17	47	12		0													
18	48	22		0													
19	64	48		0													
20	57	38		.51													
21	40	34		.11													fell as snow - no accum.
22	49	27		0													
23	59	23		0													
24	42	16		0													
25	38	18		.04	.4	.4											
26	32	27		.35	1.3	1.5											
27	35	26		.14	.5	1.9											
28	28	10															
29	19	2															
30	23	14		T		1.0											
31	30	15		0		.5											
SUM			SUM	1.16	2.2		Fog	Ice Pel.	Glaze	Thund	Hail	Dam. Winds	SUM				
				Greatest	1.3												

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: ALLNUTT

SUPERVISING OFFICE:

STATION INDEX NO.

STATION (Climatological): U. of Md. WMREC (River Station, if different)

MONTH: February 19 86

STATE: MARYLAND

COUNTY: WASHINGTON

RIVER:

TIME (local) OF OBSERVATION RIVER:

TEMP.: 8AM

PRECIPITATION: 8AM

STANDARD TIME IN USE: E

TYPE OF RIVER GAGE:

ELEVATION OF RIVER GAGE ZERO: Ft.

FLOOD STAGE: Ft.

NORMAL POOL STAGE: Ft.

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

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)	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	41	18				.2											
2	44	30				0											
3	60	28															
4	42	29		.48													
5	38	36		.16													
6	52	38		.12													
7	40	21		.15	1.4	1.4											
8	25	21		T		1.4											
9	36	25				[illegible]											snow at obs. not measured
10	37	29															Snow on ground spotty
11	35	25		.35	3.0	3.0											
12	26	10			3.0												
13	27	3			3.0												
14	25	2			2.8												
15	26	15															
16	36	14															
17	38	22		T	[illegible]	2.0				X							
18	34	33		.93	0	1.0	X	[illegible]									
19	38	34		.12		0	X	[illegible]		X							Snow on ground spotty
20	43	37		.27													
21	43	37		.02													
22	48	28		0													*snowed & depth not measured, all melted next day estimate - 3"
23	36	28		0	*												
24	40	25		.29		0											
25	38	16		.21	2.9	2.9											
26	33	20		0		1.5											
27	34	23		.06	2.0	2.5											
28	34	18		0		.5											snow on ground spotty
29																	
30																	
31																	
SUM			SUM	3.16			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: ALLNUTT

SUPERVISING OFFICE

STATION INDEX NO.

STATION (Climatological): U. of Md WMREC (River Station, if different)
MONTH: March 19 86
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.

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

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	34	20		0		0											
2	37	23		0													
3	39	26		0													
4	38	33		.04	.9	.9											
5	45	24		.01		0		X									Precip. mixture of rain, sleet, & snow
6	44	26															
7	47	24		.01	.5	.5											
8	28	10															
9	32	12															
10	70	34															
11	76	48		.28						X							
12	60	24						X									
13	42	32		.09													
14	42	38		.68													
15	56	42		1.4													
16	62	33															
17	54	36															
18	48	24															
19	68	24															
20	76	44															
21	44	15															
22	35	14															
23	46	16															
24	61	20															
25	56	32															
26	69	48		T													
27	76	54															
28	62	28															
29	63	36															
30	79	44															
31	86	45															
SUM			SUM	2.51													
				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.

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 (7-79)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological): U. of Md WMREC (River Station, if different)
MONTH: April 19 86
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	80	46															
2	81	54															
3	70	35															
4	68	49		.01													
5	72	49		.06													
6	54	48		.34						X							
7	50	48		.16			X										
8	72	46		T													
9	69	36															
10	52	48															
11	47	36		.01													
12	46	28															
13	59	32															
14	58	30															
15	65	44		.03													
16	50	45		1.19						X							
17	47	40		.30						X							
18	46	34		.29													
19	69	40															
20	73	51															
21	68	56		.02													
22	64	47		.17													
23	50	35		.05													
24	54	39															
25	70	38															
26	71	38															
27	80	44															
28	84	49															
29	78	57															
30	77	44		T													
31																	
SUM			SUM	2.63			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

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): U of MD WMREC (River Station, if different)
MONTH: May 19 86
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	79	54															
2	82	66															
3	57	33															
4	56	30															
5	71	42															
6	88	55															
7	92	60		.04						X							
8	88	54		.05													
9	78	52															
10	68	40															
11	72	38															
12	78	43															
13	71	45		.06													
14	70	51		.14													
15	66	51		T													
16	64	56															
17	84	59		.04						X							
18	88	58		T													
19	89	61															
20	85	67		.09						X							
21	76	58		1.62						X	X						
22	70	52		.14						X							
23	71	45		.03													
24	71	49															
25	74	48															
26	78	53															
27	80	59		.03													
28	67	58															
29	84	56															
30	88	62															
31	88	62															
SUM			SUM	2.24													
				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

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.

OBSERVER: SCHETROMPE

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): Hot Md WMREC (River Station, if different):
MONTH: June 19 86
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.)	Draw a straight line (——) through hours precipitation was observed, and a waved line (~~) through hours precipitation probably occurred unobserved. (A.M. 1 2 3 4 5 6 7 8 9 10 11 — NOON — P.M. 1 2 3 4 5 6 7 8 9 10 11)	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	88	63		0														
2	90	66		0														
3	78	38		0														
4	78	52		0														
5	84	68		0														
6	89	70		0														
7	90	69		1.87														
8	84	70		0														
9	86	56		.07														
10	81	51		0														
11	83	62		0														
12	94	71		.01														
13	90	65		T														
14	80	55		0														
15	88	63		0														
16	90	72		0														
17	93	61		.07														
18	74	46		0														
19	75	46		0														
20	85	65		.35					X									
21	84	52		0														
22	82	55		0														
23	90	76		0														
24	91	61		.30														
25	85	53		0														
26	76	47		0														
27	87	58		0														
28	90	70		.08														
29	84	68		0														
30	90	60		0														
31																		
SUM			SUM	2.75														

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

READING	DATE

Fog	Ice Pel.	Glaze	Thund	Hail	Dam. Winds	SUM

CONDITION OF RIVER AT GAGE

Greatest

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
(7-79)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological): U. of Md. WMREC (River Station, if different)
MONTH: July 19 86
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)	Snow, ice pellets, hail, ice on ground (Ins.)	At Ob.
1	84	68		0			
2	72	61		.45			
3	87	61		0			
4	79	48		0			
5	85	60		0			
6	95	62		0			
7	97	68		0			
8	98	68		0			
9	98	72		.25			
10	80	60		.16			
11	80	63		0			
12	79	63		.02			
13	90	63		.24			
14	92	61		.14			
15	84	58		0			
16	88	60		0			
17	85	64		.02			
18	89	69		0			
19	98	73		0			
20	93	71		1.61			
21	94	68		.52			
22	89	69		0			
23	87	70		0			
24	87	67		0			
25	88	74		0			
26	89	75		0			
27	92	70		0			
28	90	65		0			
29	92	68		0			
30	92	64		0			
31	81	60		0			
SUM			SUM	3.41			
				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.

DATE	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											
2		X									
3											
4											
5											
6											
7											
8											
9				X							
10				X							
11											
12											
13											
14											
15											
16											
17											
18											
19											
20				X							
21				X							
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
SUM	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: Schetrompf

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): U. of Md. WMREC (River Station, if different)
MONTH: August 19 86
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) 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	88	78		0													
2	90	74		0													
3	87	74		~~0.20~~													
4	88	74		0.20													
5	88	60		~~0.06~~						X							
6	88	64		0.05						X							
7	88	68		0.02						X							
8	92	68		0.04													
9	86	65		0													
10	92	61		0													
11	92	71		0.03													
12	86	63		0													
13	76	58		0													
14	84	59		0													
15	87	68		0													
16	—	—		0													Temp. Gauge not working 16, 17, 18
17	—	—		.15						X							
18	—	—		.85						X							
19	87	64		0													
20	81	68		.32						X							
21	76	60		—													Rain Not Measured
22	71	60		.59													
23	82	60		0													
24	86	60		.07													
25	79	54		0													
26	78	55		0													
27	88	60		0													
28	92	55		.36													
29	68	38		0													
30	69	40		0													
31	72	44		0													
SUM			SUM	2.58													
				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.

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: SCHETRUMPF

SUPERVISING OFFICE:

STATION INDEX NO.:

STATION (Climatological): U of Md. WMREC (River Station, if different)
MONTH: Sept. 19 86

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.

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

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	75	52	~~0~~	0														
2	76	60	+4	.14														
3	67	62		.14														
4	73	66		.01														
5	78	67		.01														
6	79	56		0														
7	82	48		0														
8	74	52		0														
9	70	38		0														
10	76	45		0														
11	80	63		0														
12	88	71		0														
13	86	55		0														
14	81	47		0														
15	79	52		0														
16	82	53		0														
17	69	34		.06														Light Frost
18	70	40		0														
19	72	60		0														
20	—	—		0														Machine not
21	—	—		0														operating
22	—	—		0														properly
23	76	60		0														
24	91	69		0														
25	79	64		.11														
26	89	62		.01														foggy
27	94	71		0														
28	85	64		0														
29	70	60		0														
30	86	69																
31																		
SUM			SUM	.48														
				Greatest														

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: [illegible]

SUPERVISING OFFICE:

STATION INDEX NO.

STATION (Climatological)	(River Station, if different)	MONTH	19
U of MD WMREC		Oct.	36

STATE	COUNTY	RIVER
Maryland	Washington	

TIME (local) OF OBSERVATION RIVER	TEMP.	PRECIPITATION	STANDARD TIME IN USE
	8 AM	8 AM	ED

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

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

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	96	70		.21													
2	90	64		0													
3	87	60		.17													
4	78	70		.18													
5	82	63		0													
6	74	53		0													
7	61	32		0													Frost
8	64	37		0													Light Frost
9	78	46		0													
10	80	43		0													
11	60	32		0													Frost
12	66	38		0													
13	66	60		.11													
14	69	59		.42													
15	70	34		0													
16	60	35		0													
17	62	46		0													
18	55	33		0													
19	60	26		0													Hard Frost
20	63	27		0													Hard Frost
21	65	37		0													
22	71	40		0													
23	76	49		0													
24	73	44		0													
25	70	50		0													
26	54	50		.42													
27	58	56		.01													
28	69	54		0.17													
29	66	34		0													
30	72	42		0													foggy
31	66	31		0													
SUM			SUM	1.69													
				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.

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.

Fog	Ice Pellets	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 C. L. Schertzer

SUPERVISING OFFICE

STATION INDEX NO.

STATION (Climatological): U of Md WMREC (River Station, if different)
MONTH: Nov 19 86
RIVER:
TYPE OF RIVER GAGE:
COUNTY: Washington
TIME (local) OF OBSERVATION RIVER:
TEMPERATURE: 8 AM
PRECIPITATION: 8 AM
STANDARD TIME IN USE: E
STATE: Maryland
ELEVATION OF RIVER GAGE ZERO: Ft.
FLOOD STAGE: Ft.
NORMAL POOL STAGE: Ft.

WS FORM E-15 (10-77)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	RIVER STAGE: CONDITION	RIVER STAGE: GAGE READING AT ___ A.M.	RIVER STAGE: TENDENCY	TEMPERATURE °F. 24 HRS. ENDING AT OBSERVATION: MAX.	TEMPERATURE °F. 24 HRS. ENDING AT OBSERVATION: MIN.	TEMPERATURE °F. AT OBSN.	PRECIPITATION 24-HR AMOUNTS: Rain, melted snow, etc. (Ins. & hundredths)	PRECIPITATION 24-HR AMOUNTS: Snow, ice pellets, hail (Ins. & tenths)	PRECIPITATION 24-HR AMOUNTS: Snow, ice pellets, hail, ice on ground (Ins.)	WEATHER (Calendar Day) At Ob.: Time of Obsn. if different from above	MARK 'X' FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	DAMAGING WINDS	SPECIAL OBSERVATIONS OF PRECIPITATION & RIVER STAGES: DATE	TIME OF OBSERVATION	PRECIPITATION SINCE 7 A.M.	RIVER: STAGE	RIVER: TENDENCY	CREST STAGE, DATE AND TIME, DEPTH OF SNOW OR ICE, STATE OF WEATHER AT TIME OF OBSERVATION
1				56	36		0															
2				62	54		.57															
3				64	32		T															
4				56	43		0															
5				60	39		.38															
6				46	38		.65															
7				58	38		0															
8				55	49		.58															
9				64	56		.09															
10				63	38		.03															
11				48	33		.14															
12				43	30		.58															
13				50	32		0															
14				38	13		0															Snow Flurries
15				37	17		0															
16				41	34		0															
17				50	31		0															
18				60	36		0															
19				54	36		.56							X								
20				42	26		0															
21				42	32		.87															
22				46	34		0															
23				51	31		0															
24				54	46		.14															
25				51	25		.02															
26				50	40		.18															
27				59	34 ~~44~~		.16															
28				58	30																	
29				58	30																	
30				58	27																	
31																						
SUM							4.97															
							Greatest .87															

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

A.M. 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 P.M.

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

Temp. for

	Hi	Lo
26th	50	41
27th	59	44
28th	56	30
29th	50	30

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.

SUPERVISING OFFICE

STATION INDEX NO.

OBSERVER: G. Schetrompf

STATION (Climatological)	(River Station, if different)	MONTH	19
U of Md	WMREC	Dec	86

WS FORM E-15 (10-77)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

RIVER	TYPE OF RIVER GAGE	COUNTY
		Washington

TIME (local) OF OBSERVATION RIVER	TEMPERATURE	PRECIPITATION	STANDARD TIME IN USE
	8 AM	8 AM	E

STATE	ELEVATION OF RIVER GAGE ZERO	FLOOD STAGE	NORMAL POOL STAGE
MARYLAND	Ft.	Ft.	Ft.

DATE	RIVER STAGE: CONDITION	RIVER STAGE: GAGE READING AT ___ A.M.	RIVER STAGE: TENDENCY	TEMPERATURE °F. 24 HRS. ENDING AT OBSERVATION: MAX.	TEMPERATURE °F. 24 HRS. ENDING AT OBSERVATION: MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS: Rain, melted snow, etc. (Ins. & hundreths)	PRECIPITATION 24-HR AMOUNTS: Snow, ice pellets, hail (Ins. & tenths)	PRECIPITATION 24-HR AMOUNTS: Snow, ice pellets, hail, ice on ground (Ins.)	WEATHER (Calendar Day) MARK 'X' FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	DAMAGING WINDS	Time of Obsn. if different from above	SPECIAL OBSERVATIONS OF PRECIPITATION & RIVER STAGES: DATE	TIME OF OBSERVATION	PRECIPITATION SINCE 7 A.M.	RIVER STAGE	RIVER TENDENCY	CREST STAGE, DATE AND TIME, DEPTH OF SNOW OR ICE, STATE OF WEATHER AT TIME OF OBSERVATION
1				50	28		0															
2				42	27		.12															
3				50	42		.89															
4				55	38		T															
5				46	31		0															
6				40	28		0															
7				45	28		0															
8				52	44		0															
9				51	44		.42															
10				54	45		.24															
11				54	32		0															
12				36	33		.28															Snow & Sleet Mixed
13				42	26		0															
14				33	14		0															
15				39	24		0															
16				52	22		0															
17				49	28		0			X												
18				47	42		.36															
19				46	38		.10															
20				46	26		0															
21				39	28		0															
22				42	18		0															
23				42	18		0															
24				46	29		.15															
25				43	35		1.46															
26				48	34		0															
27				42	35		0															
28				40	27		0															
29				40	19		0															
30				40	18		0															
31				26	38		0															
SUM							SUM 4.02			Fog	Ice Pel.	Glaze	Thunder	Hail	Damag winds							
							Greatest 1.46															

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

A.M. NOON P.M.

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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

READING	DATE

CONDITION OF RIVER AT GAGE
A. Obstructed by rough ice.
B. Frozen, but open of 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.

SUPERVISING OFFICE

STATION INDEX NO.

OBSERVER G. L. SCHETROMPF