

STATION (Climate) <i>University of Md. WMRE.C.</i> (River Station, if different)		MONTH <i>Feb.</i>	19 <i>98</i>
STATE <i>MARYLAND</i>	COUNTY <i>Washington</i>	RIVER	
TIME (local) OF OBSERVATION	TEMP. <i>7:30 AM - 7:30 AM</i>	PRECIPITATION	
TYPE OF RIVER GAGE	ELEVATION OF RIVER GAGE ZERO <i>Ft.</i>	FLOOD STAGE <i>Ft.</i>	NORMAL POOL STAGE <i>Ft.</i>

FORM B-91
(12-93)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F.			PRECIPITATION			WEATHER (Calendar Day)						RIVER STAGE		REMARKS (Special observations, etc.)					
	MAX.	MIN.	AT OBSN.	24-HR AMOUNTS	At Ob.	Draw a straight line (—) through hours precipitation was observed, and a wavy line (~~~~) through hours precipitation probably occurred unobserved.	Mark 'X' for all types occurring each day.						CONDITION	GAGE READING AT A.M.		TENDENCY				
				Rain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets, (ins. and tenths)	Snow, ice pellets, hail, ice on ground (ins.)	A.M.		NOON		P.M.		Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	
1	47	19	26	0																
2	48	24	37	0																
3	42	34	34	.30		T														
4	39	33	36	1.70	T															Mix
5	40	35	38	.07																
6	45	30	32	.0																
7	44	26	26	.0																
8	48	24	24	.0																
9	50	23	23	.0																
10	54	21	36	.0																
11	49	35	42	.28																
12	52	34	34	.0																
13	41	33	35	.0																
14	39	28	20	.0																
15	41	19	27	.0																
16	40	27	42	.11																about Dark mix Rain, sleet
17	48	34	43	.64																
18	52	43	46	.12																
19	49	36	39	.0																
20	49	35	42	.0																
21	46	30	30	.0																
22	48	29	39	.14																
23	42	34	37	.0																
24	43	33	40	1.41																
25	52	32	32	.0																
26	56	29	29	.0																
27	59	29	35	.0																
28	51	35	36	.0												X				
29																				
30																				
31																				

SUM	SUM	4.77	CHECK BAR (For wire-weight) NORMAL CK. BAR
CONDITION OF RIVER AT GAGE		READING	DATE
A. Obstructed by rough ice.	E. Ice gorge below gage		
B. Frozen, but open at gage.	F. Shore ice.		
C. Upper surface of smooth ice.	G. Floating ice.		
D. Ice gorge above gage.	H. Pool stage.		

Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	CONDITION	GAGE READING AT	TENDENCY
OBSERVER <i>David W. Hyland Jr.</i>						STATION INDEX NO.		
SUPERVISING OFFICE								

STATION (Climate)	University of Md. (River Station, if different)	UMREC.	MONTH	MARCH	19	98
STATE	Maryland	COUNTY	Washington	RIVER		
TIME (local) OF OBSERVATION		TEMP.	7:30 AM - 7:30 AM	PRECIPITATION	STANDARD TIME IN USE	
TYPE OF RIVER GAGE	ELEVATION OF RIVER GAGE ZERO	Ft.	FLOOD STAGE	Ft.	NORMAL POOL STAGE	

FORM B-91
(12-93)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F.			PRECIPITATION			WEATHER (Calendar Day)						RIVER STAGE		REMARKS (Special observations, etc.,)		
	24 HRS. ENDING AT OBSERVATION		AT OBN.	24-HR AMOUNTS			Mark 'X' for all types occurring each day.			GAGE READING AT	TENDENCY						
	MAX.	MIN.		Rain, melted snow, etc. (ins. and hundredths)	At Ob. Show, ice pellets, hail, ice on ground (ins.)	Draw a straight line (—) through hours precipitation was observed, and a wavy line (~~~~) through hours precipitation probably occurred unobserved.	A.M. NOON P.M.										
1	55	33	33	.23													
2	53	33	34	.36													
3	43	32	32	.0											mix		
4	46	31	31	.0													
5	44	28	21	.0													
6	49	20	37	.0													
7	57	35	48	.0													
8	49	44	45	1.14													
9	62	35	35	.29													
10	47	20	20	.0													
11	31	17	17	.0													
12	33	16	18	.0													
13	39	17	36	.0													
14	48	29	29	.0													
15	42	26	26	.0													
16	43	25	30	.0													
17	43	24	35	.38													
18	43	35	41	.81													
19	58	41	43	.0													
20	49	38	39	.0							X						
21	44	34	35	.0													
22	39	34	29	.0													
23	50	25	28	2.00													
24	43	24	24	.06											mix, snow + rain heavy frost		
25	52	22	42	.0													
26	70	41	49	.0													
27	84	49	61	.0													
28	79	58	59	.0													
29	84	53	53	.0													
30	86	48	59	.0													
31	83	55	68	.0													
SUM.			SUM	5.27			CHECK BAR (For wire-weight) NORMAL CK. BAR			Fog	Ice Pel.	Glaze	Thunder	Hail	Dam. Winds		
CONDITION OF RIVER AT GAGE				READING	DATE	OBSERVER										STATION INDEX NO.	
A. Obstructed by rough ice.				David Lyand Jr.												SUPERVISING OFFICE	
B. Frozen, but open at gage.																STATION INDEX NO.	
C. Upper surface of smooth ice.																STATION INDEX NO.	
D. Ice gorge above gage.																STATION INDEX NO.	
E. Ice gorge below gage.																STATION INDEX NO.	
F. Shore ice.																STATION INDEX NO.	
G. Floating ice.																STATION INDEX NO.	
H. Pool stage.																STATION INDEX NO.	

STATION (Climatol. University of Md. WMREC (River Station, if different) MONTH May 19 98
 STATE MARYLAND COUNTY Washington RIVER
 TIME (local) OF OBSERVATION RIVER TEMP 7:30AM - 7:30AM PRECIPITATION STANDARD TIME IN USE
 TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO Ft. FLOOD STAGE Ft. NORMAL POOL STAGE Ft.

FORM B-91

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F.			PRECIPITATION			WEATHER (Calendar Day)						RIVER STAGE		REMARKS (Special observations, etc.)		
	24 HRS. ENDING AT OBSERVATION		AT OSSN.	24-HR AMOUNTS		At Ob. Draw a straight line (—) through hours precipitation was observed, and a wavy line (~~~~) through hours precipitation probably occurred unobserved.	Mark 'X' for all types occurring each day.						GAGE READING AT	TENDENCY			
	MAX.	MIN.		Rain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets, (ins. and tenths)		Snow, ice pellets, hail, ice on ground (ins.)	A.M.		NOON		P.M.				CONDITION	A.M.
1	67	55	58	0													
2	71	50	56	0													
3	74	50	57	1.15													
4	68	53	59	.01													
5	68	51	51	.62													
6	71	48	53	.0													
7	69	50	60	.75													
8	60	57	57	.0													
9	68	57	57	.0													
10	64	53	53	1.30													
11	59	52	52	.38													
12	56	52	52	.25													
13	71	49	50	.0													
14	79	42	55	.0													
15	86	47	63	.0													
16	88	54	68	.0													
17	85	59	59	.05													
18	87	48	63	.0													
19	91	54	68	.0													
20	90	59	69	.0													
21	82	55	55	.0													
22	72	46	55	.0													
23	71	49	55	.0													
24	70	46	62	.0													
25	84	57	65	.03													
26	77	57	60	.0													
27	76	56	59	.0													
28	83	53	67	.0													
29	88	58	68	.0													
30	89	62	70	.0													
31	88	63	65	.87													
SUM			SUM	5.41													

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. Shoro ice. G. Floating ice. H. Pool stage.

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

Observer David Whyard Jr.
 SUPERVISING OFFICE STATION INDEX NO.

STATION (Climatol. (River Station, if different) **University of Md. WMREC**) MONTH **June** 19 **98**
 STATE **MARYLAND** COUNTY **Washington** RIVER
 TIME (local) OF OBSERVATION RIVER TEMP. **7:30AM - 7:30AM** PRECIPITATION STANDARD TIME IN USE
 TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO Ft. FLOOD STAGE Ft. NORMAL POOL STAGE Ft.

FORM B-91
(1-1-55)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F.			PRECIPITATION			WEATHER (Calendar Day)							RIVER STAGE			REMARKS (Special observations, etc.,)										
	24 HRS. ENDING AT OBSERVATION		AT OBSN.	24-HR AMOUNTS		At Ob. Snow, ice pellets, hail, ice on ground (ins.)	Draw a straight line (—) through hours precipitation was observed, and a wavy line (~~~~) through hours precipitation probably occurred unobserved.			Mark 'X' for all types occurring each day.								GAGE READING AT	TENDENCY								
	MAX.	MIN.		Rain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets, (ins. and tenths)		A.M.	NOON	P.M.	Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	CONDITION				____ A.M.							
1	75	54	56	0			—																				
2	82	50	62	.08																							
3	74	53	54	.03																							
4	74	44	53	.0																							
5	65	47	54	.0																							
6	67	48	50	.0																							
7	66	43	55	.0																							
8	72	47	51	.0																							
9	70	41	57	.28																							
10	61	55	60	T																							
11	65	60	66	.25																							
12	78	65	68	.0																							
13	77	59	65	.0																							
14	80	57	63	.35																							
15	75	58	64	.17																							
16	88	64	66	.89																							
17	83	60	67	.0																							
18	86	58	67	.0																							
19	77	63	70	.0																							
20	87	67	68	.0																							
21	90	62	73	.60																							
22	82	65	72	.0																							
23	85	68	68	.50																							
24	88	67	71	.0																							
25	91	66	75	.0																							
26	95	72	77	.0																							
27	87	70	69	.0																							
28	72	67	68	.10																							
29	85	65	72	.03																							
30	84	63	66	.25																							
31																											
SUM			SUM	3.53																							

-> 3 small tornado Touchdown within 10 miles of Farm

High Winds

- 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. Shoro ice.
 - G. Floating ice.
 - H. Pool stage.

CHECK BAR (For wire-weight) NORMAL CK. BAR
 READING _____ DATE _____
 OBSERVER *David Wynd Jr.*
 SUPERVISING OFFICE _____ STATION INDEX NO. _____

STATION (Climator) *University of MD. WREC* MONTH *Aug. 19* *98*
 STATE *MARYLAND* COUNTY *Washington* RIVER *WREC*
 TIME (local) OF OBSERVATION RIVER TEMP. *7:30AM* PRECIPITATION *7:30AM* STANDARD TIME IN USE
 TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO Ft. FLOOD STAGE Ft. NORMAL POOL STAGE Ft.

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F.			PRECIPITATION												WEATHER (Calendar Day)							RIVER STAGE		REMARKS (Special observations, etc.)				
	24 HRS. ENDING AT OBSERVATION		AT OSSN.	24-HR AMOUNTS			A.M.	NOON	P.M.	Mark 'X' for all types occurring each day.							CONDITION	GAGE READING AT A.M.	AGENCY										
	MAX.	MIN.		(Rain, melted snow, etc. (inc. and hundredths))	Snow, ice pellets, (inc. and tenths)	Snow, ice pellets, hail, ice on ground (ins.)				1	2	3	4	5	6	7				8	9	10	11	Fog		Ice Pellets	Glaze	Thunder	Hail
1	79	55	56	.0																									
2	82	51	58	.0																									
3	85	51	59	.0																									
4	87	53	64	.0																									
5	87	58	62	.0																									
6	85	55	64	.0																									
7	85	60	73	.0																									
8	87	71	71	.0																									
9	85	70	75	.0																									
10	88	70	70	.0														X											
11	86	64	64	.59																									
12	82	60	61	.0																									
13	84	57	71	.0																									
14	82	69	69	.0																									
15	81	67	69	.0																									
16	81	67	70	.52																									
17	78	67	67	.34																									
18	88	57	57	.0																									
19	73	49	49	.0																									
20	79	46	55	.0																									
21	87	50	67	.0																									
22	90	61	68	.0																									
23	92	66	68	.0																									
24	90	63	67	.0																									
25	89	64	71	.01														X											
26	90	70	70	.0																									
27	87	69	72	.0																									
28	89	67	67	.0																									
29	86	65	65	.0																									
30	90	59	67	.0																									
31	89	57	57	.0																									
SUM			SUM	1.46				CHECK VAL (For wire-weight) NORMAL CK. VAL																					

- CONDITION OF RIVER AT GAGE
- A. Obstructed by rough ice.
 B. Frozen, but open at gage.
 C. Upper surfaces of smooth ice.
 D. Ice gage above gage.
 E. Ice gorge below gage
 F. Shore ice.
 G. Floating ice.
 H. Pool stage.

READING _____ DATE _____

FOG Ice Pellets Glaze Thunder Hail Dam. Winds
 OBSERVER *David Wlyand Jr*
 SUPERVISING OFFICE _____

STATION INDEX NO. _____

STATION (Climate) *University of Md WMREC* (River Station, if different)
STATE *Maryland* COUNTY *Washington* MONTH *Sept.* '98
RIVER
TIME (local) OF OBSERVATION RIVER TEMP. *7:30 AM* - *7:30 AM* PRECIPITATION STANDARD TIME IN USE
TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO Ft. FLOOD STAGE Ft. NORMAL POOL STAGE Ft.

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F.			24-HR AMOUNTS	AT Obs.	Draw a straight line (—) through hours precipitation was observed, and a wavy line (~~~~) through hours precipitation probably occurs unobserved.	PRECIPITATION			WEATHER (Calence Day)						RIVER STAGE		REMARKS (Special observations, etc.)														
	MAX.	MIN.	AT OBN.				A.M.			NOON			P.M.			Fog	Ice Pellets		Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	CONDITION	GAGE READING AT	TENDENCY						
				fein, melting snow, etc. (ins. and hundredths)	Snow, ice pellets, (ins. and tenths)	Snow, ice pellets, hail, ice on ground (ins.)	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11				
1	84	55	67	.0																												
2	90	56	56	.0																												
3	84	53	62	.0																												
4	87	55	55	.0																												
5	87	52	52	.0																												
6	97	49	72	.0																												
7	88	57	57	.94																												
8	72	53	53	.0																												
9	71	47	54	.0																												
10	75	48	48	.0																												
11	86	46	55	.6																												
12	93	54	63	.0																												
13	90	62	67	.0																												
14	92	66	70	.0																												
15	92	68	68	.0																												
16	93	65	65	.0																												
17	83	64	64	.0																												
18	85	64	68	.0																												
19	81	65	65	.0																												
20	87	61	68	.0																												
21	83	67	70	.08																												
22	79	67		.32																												
23	73	50		.0																												
24	74	38		.0																												
25	70	56		.0																												
26	93	53		.0																												
27	96	66		.14																												
28	86	59		.0																												
29	82	46	60	.02																												
30	87	59	63	.0																												
31																																
SUN			SUN	1.50																												

CONDITION OF RIVER AT GAGE READING DATE
OBSERVER *David Wyand Jr.*
SUPERVISING OFFICE STATION INDEX NO.
A. Obstructed by rough ice. E. Ice gorge below gage.
B. Frozen, but open at gage. F. Shore ice.
C. Upper surface of smooth ice. G. Floating ice.
D. Ice gorge above gage. H. Pool stage.

STATION (Climate) *University of Md. WMREC.* (River Station, if different)
 STATE *MARYLAND* COUNTY *Washington* MONTH *Oct. 1998*
 TIME LOCAL OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE
7:30 AM *7:30 AM*
 TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO F.L. FLOOD STAGE F.L. NORMAL POOL STAGE F.L.

FORM B-91
(1-3)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F.			PRECIPITATION		WEATHER (Calends: Day)							RIVER STAGE		REMARKS (Special observations, etc.)												
	24 HRS. ENDING AT OBSERVATION		AT OBSN.	24-HR AMOUNTS flats, melted snow, etc. (ins. and hundredths)	At Obs Snow, ice pellets, hail, ice on ground (ins.)	Draw a straight line (—) through hours precipitation was observed, and a wavy line (~~~~) through hours precipitation probably occurred unobserved.			Mark 'X' for all types occurring each day.							GAGE READINGS AT — A.M.	EFFICIENCY										
	MAX.	MIN.				A.M.	NOON	P.M.	Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds				Time of observation if different from above									
1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11						
1	75	32	32	.0																							
2	68	32	41	.0																							First Frost (LOWER AREA)
3	63	37	49	.0																							
4	53	49	51	.50																							
5	60	50	58	T																							
6	65	58	60	.0																							
7	65	60	64	.42																							
8	70	56	56	.52																							
9	60	55		.0																							
10	73	52		.0																							
11	73	44		.04																							
12	72	44		.0																							
13	71	44	44	.0																							
14	67	37	31	.0																							
15	68	37		.0																							
16	69	34		.0																							
17	75	39		.0																							
18	78	48	65	.0																							
19	74	42	42	.0																							
20	70	45	48	.0																							
21	65	42	42	.05																							
22			34	.0																							
23				.0																							
24				.0																							
25				.0																							
26				.0																							
27			54	.01																							
28				.0																							
29				.0																							
30				.0																							
31				.0																							
SUM			SUM	1.54																							

*Equipment
Part working*

CONDITION OF RIVER AT GAGE
 A. Obstructed by rough ice. E. Ice gorge below gage.
 B. Frozen, but open at gage. F. Shora ice.
 C. Upper surface of smooth ice. G. Floating ice.
 D. Ice gorge above gage. H. No H stage.

CHECK BAR (For wire-weight) NORMAL CK. BAR
 READING DATE
 OBSERVER *David Wlyand Jr.*
 SUPERVISING OFFICE

STATION INDEX NO.

STATION (City or ^{al}) University of Md. W.M.R.C. (River Station, if different) MONTH Dec. 19 98

FORM B-91 (2-93)

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

STATE Maryland COUNTY Washington RIVER _____
 TIME (local) OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE
7:30 AM - 7:30 AM

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

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

DATE	TEMPERATURE F.			PRECIPITATION			WEATHER (Calendar Day)						RIVER STAGE		REMARKS (Special observations, etc.)		
	24 HRS. ENDING AT OBSERVATION		AT OBS.	24-HR AMOUNTS			Mark 'X' for all types occurring each day.						GAGE READING AT _____ A.M.	TENDENCY			
	MAX.	MIN.		Rain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets, hail, ice on ground (ins.)	At Ob.											
						A.M.	NOON	P.M.	Fog	Ice Pellets	Glaze	Thunder	Hail	Damg. Winds		CONDITION	
					1 2 3 4 5 6 7 8 9 10 11	1 2 3 4 5 6 7 8 9 10 11											
1	63	29	33	.0													
2	66	29	51	.0													
3	74	43	62	.0													
4	72	54	57	.0													
5	74	54	57	.0													
6	76	55	58	.0													
7	63	46	51	.03													
8	50	39	40	.40													
9	44	24	.27	.0													
10	48	28	37	.0													
11	48	25	43	.0													
12	48	34	43	.0													
13	47	24	.24	.0													
14	45	17	.17	.0													
15	50	17	.27	.0													
16	53	25	42	.0													
17	46	29	29	.0													
18	43	27	35	.0													
19	50	32	39	.0													
20	52	37	41	.0													
21	57	46	49	.0													
22	61	18	13	.10													
23	23	12	23	.0													
24	32	21	11	.01													
25	33	10	13	.0													
26	34	10	12	.0													
27	40	12	29	.0													
28	38	29	32	.03													MIX RAIN & SNOW
29	36	25	25	.0													
30	36	18	18	.0													
31	26	11	24	.0													SNOW
SUM			SUM	.57													

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.

READING _____ DATE _____

Observer David Ulyard Jr.
 SUPERVISING OFFICE _____ STATION INDEX NO. _____