

STATION (Climate) *University of Maryland* RIVER Station, if different) *Febr* MONTH *19 2002*
 STATE *Maryland* COUNTY *Washington* RIVER _____
 TIME (local) OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE

ORM B-91

U.S. DEPT. OF
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

F. COMMERCE
MINISTRATION
HER SERVICE

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 OBSN.	24-HR AMOUNTS		At Ob.	Mark 'X' for all types occurring each day.							CONDITION	GAGE READING AT _____ A.M.		TENDENCY				
	MAX.	MIN.		Rain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets, hail, ice on ground (ins.)		A.M.			NOON								P.M.			
1	65	36	31	.04																	
2	39	23	29	.0																	
3	42	21	33	.6																	
4	38	20	18	.0																	Snow Shower
5	37	17	20	.0																	
6	45	20	33	.0																	
7	45	23	28	.02																	Snow-Rain mix
8	60	23	24	.0																	
9	52	24	39	.01																	
10	47	36	33	.08																	
11	47	19	30	.01																	
12	54	18	39	.0																	
13	41	22	11	.0																	
14	44	11	29	.0																	
15	53	24	41	.0																	
16	54	35	38	.0																	
17	43	27	17	.0																	
18	43	17	14	.0																	
19	57	14	46	.0																	
20	61	45	50	.0																	
21	60	47	41	.0																	
22	48	36	34	.0																	
23	45	19	14	.0																	
24	53	14	30	.0																	
25	61	27	30	.0																	
26	65	30	28	.0																	
27	40	25	24	.0																	
28	38	19	18	.0																	
29																					
30																					
31																					
SUM			SUM	.16																	

31

COND. OF RIVER AT GAGE	READING	DATE	Observer	Supervising Office	Station Index No.
<input checked="" type="checkbox"/> A. Obstructed by rough ice.			<i>David W. [Signature]</i>		
<input type="checkbox"/> B. Frozen, but open at gage.					
<input type="checkbox"/> C. Upper surface of smooth ice.					
<input type="checkbox"/> D. Ice gorge above gage.					
<input type="checkbox"/> E. Ice gorge below gage.					
<input type="checkbox"/> F. Shore ice.					
<input type="checkbox"/> G. Floating ice.					
<input type="checkbox"/> H. Pool stage.					

CONDITION OF RIVER AT GAGE

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

Observer: *David W. [Signature]*

Supervising Office: _____

Station Index No.: _____

STATION (Climate)	(River Station, if different)	MONTH	
	University of Md. WMREC	March	2002
STATE	COUNTY	RIVER	
MARYLAND	Washington		
TIME (local) OF OBSERVATION	TEMP.	PRECIPITATION	STANDARD TIME IN USE
TYPE OF RIVER GAGE	ELEVATION OF RIVER GAGE ZERO	FLOOD STAGE	NORMAL POOL STAGE
	Fl.	Fl.	Fl.

ORM B-91

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

U.S. DEPARTMENT OF COMMERCE
ADMINISTRATION
TIDE AND CURRENT 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		7:30 AM 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.						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
						1 2 3 4 5 6 7 8 9 10 11	1 2 3 4 5 6 7 8 9 10 11	Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above		
1	50	11	33	0												
2	48	30	38	.46												
3	61	30	23	.02												
4	30	17	13	.0												
5	44	8	34	.0												
6	64	21	42	.0												
7	65	30	30	.6												
8	71	29	52	.0												
9	67	50	35	.08												
10	53	30	24	.0												
11	44	19	35	.0												
12	55	35	44	.03												
13	49	43	43	.24										X		
14	68	42	50	.0												
15	77	49	62	.0												
16	68	40	35	.0												
17	40	34	37	.20												
18	44	36	37	.18												
19	50	37	40	.12										X		
20	48	38	35	1.05										X		
21	59	27	22	.0												
22	32	20	29	.0												
23	53	21	37	.0												
24	57	30	42	.0												
25	53	36	46	.0												
26	45	39	39	.78										X		
27	46	31	29	.0												
28	52	23	43	.0												
29	68	42	56	.0												
30	67	51	49	.0												
31	53	44		.42												
SUM			SUM	3.58												

CONDITION OF RIVER AT GAGE	READING	DATE	OBSERVER	SUPERVISING OFFICE	STATION INDEX NO.
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.			David W. Lyford Jr.		

STATION (Climate)	University of Md. WMREC (River Station, if different)	MONTH	April	19	2009
STATE	Maryland	COUNTY	Washington	RIVER	
TIME (local) OF OBSERVATION		TEMP.		PRECIPITATION	
TYPE OF RIVER GAGE		ELEVATION OF RIVER GAGE ZERO	Ft.	FLOOD STAGE	Ft.
				NORMAL POOL STAGE	Ft.

ORM B-91

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WATER RESEARCH INSTITUTE

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WATER RESEARCH INSTITUTE

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. Draw a straight line (—) through hours precipitation was observed, and a wavy line (~~~~) through hours precipitation probably occurred unobserved.	A.M.			NOON			P.M.			Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	CONDITION		GAGE READING AT A.M.	TENDENCY			
	MAX.	MIN.		Rain, melted 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	55	34	41	.01																									
2	59	35	66	.0																									
3	64	38	33	.03																									
4	50	26	29	.0																									
5	48	24	31	.0																									
6	44	26	25	.0																									
7	53	19	42	.0																									
8	70	41	60	.0																									
9	68	58	44	.15																									
10	63	41	33	.0																									
11	66	32	47	.0																									
12	62	47	56	.0																									
13	68	56	50	.51																									
14	76	48	59	.18																									
15	82	59	62	.11																									
16	88	59	55	.0																									
17	91	55	58	.0																									
18	87	58	58	.0																									
19	89	57	61	.0																									
20	75	61	56	.06																									
21	61	42	43	.32																									
22	63	42	33	.12																									
23	55	32	29	.0																									
24	62	29	48	.0																									
25	62	41	37	.04																									
26	66	36	32	.0																									
27	61	31	54	.10																									
28	75	51	50	.92																									
29	61	45	37	.0																									
30	68	36	46	.0																									
31																													
SUM			SUM	2.55																									
CONDITION OF RIVER AT GAGE				CHECK BAR (For wire-weight) NORMAL CK. BAR											Fog						RIVER STAGE			REMARKS					
A. Obstructed by rough ice.				READING											Ice Pel.						GAGE READING AT				STATION INDEX NO.				
B. Frozen, but open at gage.				DATE											Glaze						A.M.								
C. Upper surface of smooth ice.															Thund.														
D. Ice gorge above gage.															Hail														
E. Ice gorge below gage.															Dam. Winds														
F. Shore ice.															Observer						SUPERVISING OFFICE								
G. Floating ice.																													
H. Pool stage.																													

STATION (Climate) *University of Md. WMREC* (River Station, if different)
 STATE *Maryland* COUNTY *Washington* MONTH *June* YEAR *2002*
 TIME (local) OF OBSERVATION RIVER
 TEMP. PRECIPITATION STANDARD TIME IN USE

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 OBSN.	24-HR AMOUNTS		At Ob.	Mark 'X' for all types occurring each day.						CONDITION	GAGE READING AT		TENDENCY			
	MAX.	MIN.		Rain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets (ins. and tenths)		A.M.			NOON							P.M.		
1	86	60	65	.0															
2	79	58	54	.0															
3	77	51	64	.0															
4	81	60	70	.32															
5	89	68	68	.10															
6	81	62	58	.61															
7	72	55	55	.0															
8	74	51	58	.0															
9	85	55	65	.0															
10	87	62	69	.0															
11	91	67	72	.0															
12	89	69	69	.0															
13	76	64	61	.85															
14	69	61	63	.48															
15	73	61	58	.06															
16	78	56	54	.0															
17	79	50	55	.0															
18	79	52	59	.03															
19	79	57	63	.0															
20	82	61	62	.0															
21	82	58	58	.0															
22	84	55	61	.0															
23	87	58	64	.0															
24	91	62	69	.0															
25	92	64	73	.0															
26	89	71	71	.03															
27	89	70	67	.66															
28	83	66	64	-.05															
29	84	61	59	.0															
30	85	58	65	.0															
31																			
SUM				3.19	CHECK BAR (For wire-weight) NORMAL CK. BAR														

CONDITION OF RIVER AT GAGE
 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.

DATE: 7:30 PM

WEATHER (Calendar Day): Fog, Ice Pellets, Glaze, Thunder, Hail, Damaging Winds

RIVER STAGE: GAGE READING AT, TENDENCY

OBSERVER: *David J. Whynand Jr.*

SUPERVISING OFFICE: _____ STATION INDEX NO. _____

STATION (Climate: **University of Maryland**) (River Station, if different)
 STATE **MARYLAND** COUNTY **Washington** MONTH **July** YEAR **2002**
 TIME (local) OF OBSERVATION RIVER 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. DEPT. OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL TIDE AND CURRENT 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. Draw a straight line (—) through hours precipitation was observed, and a wavy line (~~~~) through hours precipitation probably occurred unobserved.	A.M.			NOON			P.M.			Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	CONDITION		GAGE READING AT — A.M.	TENDENCY				
	MAX.	MIN.		Rain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets (ins. and tenths)		1	2	3	4	5	6	7	8	9												10	11	1	2
1	90	64	69	.0																										
2	93	67	72	.0																										
3	94	70	70	.0																										
4	96	67	75	.0																										
5	87	66	57	.0																										
6	84	54	54	.0																										
7	82	52	58	.0																										
8	89	55	72	.0																										
9	94	67	70	.25																										
10	83	65	58	.0																										
11	77	54	51	.0																										
12	81	47	65	.0																										
13	73	63	63	.06																										
14	76	62	65	.74																										
15	88	61	63	.01																										
16	91	59	61	.0																										
17	91	69	71	.0																										
18	88	68	69	.0																										
19	88	66	69	.06																										
20	88	68	72	.01																										
21	90	70	71	.0																										
22	92	70	74	.0																										
23	93	70	66	1.44																										
24	80	64	69	.0																										
25	76	69	62	.0																										
26	71	62	67	.48																										
27	83	67	72	.47																										
28	92	71	77	.0																										
29	93	72	77	.0																										
30	90	71	68	.0																										
31	92	67	71	.0																										
SUM				3.52																										

CONDITION OF RIVER AT GAGE
 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.

CHECK BAR (For wire-weight) NORMAL CK. BAR
 READING DATE
 SUPERVISING OFFICE STATION INDEX NO.

STATION (Climate) **University of Md. WMREC** (River Station, if different)
 STATE **MARYLAND** COUNTY **Washington** MONTH **Aug** **2002**
 TIME (local) OF OBSERVATION RIVER
 TEMP. PRECIPITATION STANDARD TIME IN USE

FORM B-91

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL CENTER FOR CLIMATE DATA

FEDERAL COMMERCE
 ADMINISTRATION
 RIVER 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 OBSM.	24-HR AMOUNTS		At Ob. Draw a straight line (—) through hours precipitation was observed, and a wavy line (wavy) through hours precipitation probably occurred unobserved.	Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	CONDITION	GAGE READING AT — A.M.		TENDENCY
	MAX.	MIN.		Rain, melted snow, etc. (ins. and hundredths)	Snow ice pellets, (ins. and tenths)											
1	92	68	66	.0												
2	94	65	72	.0												
3	92	70	65	.0												
4	91	64	69	.0												
5	91	67	66	.91					X							
6	78	59	50	.0												
7	77	50	49	.0												
8	80	49	52	.0												
9	82	51	53	.0												
10	86	53	63	.0												
11	90	61	63	.0												
12	92	63	65	.25												
13	92	64	68	.0												
14	94	68	67	.02												
15	91	66	72	.07					X							
16	88	70	75	.0												
17	89	68	70	.0												
18	94	67	68	.0												
19	91	66	70	.0												
20	88	66	60	.0												
21	86	57	69	.0												
22	94	69	76	.0												
23	86	70	68	.20												
24	90	68	63	.70												
25	84	63	60	.0												
26	82	59	61	.0												
27	82	61	71	.0												
28	71	58	58	1.19												
29	69	57	54	.24												
30	68	53	54	.0												
31	77	54	59	.0												
SUM			SUM	3.58												

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 SUPERVISING OFFICE STATION INDEX NO.

STATION (Climate) **University of Maryland** (River Station, if different)
 STATE **MARYLAND** COUNTY **Washington** MONTH **Oct** **2002**
 TIME (local) OF OBSERVATION RIVER
 TEMP. PRECIPITATION STANDARD TIME IN USE

FORM B-91
 U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL FISHERY SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

TYPE OF RIVER GAGE			ELEVATION OF RIVER GAGE ZERO			FLOOD STAGE			NORMAL POOL STAGE									
TEMPERATURE F.			PRECIPITATION						WEATHER (Calendar Day)					RIVER STAGE		REMARKS (Special observations, etc.)		
24 HRS. ENDING AT OBSERVATION		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		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.			Fog	Ice Pellets	Glaze	Thunder					Hail
						1 2 3 4 5 6 7 8 9 10 11	1 2 3 4 5 6 7 8 9 10 11	1 2 3 4 5 6 7 8 9 10 11										
1	81	51	62	.0														
2	84	59	64	.0														
3	84	62	65	.0														
4	81	65	69	.0														
5	81	54	42	.0														
6	69	42	60	.0														
7	71	47	37	.0														
8	59	37	45	.0														
9	62	41	55	.0														
10	60	54	59	.55														
11	60	57	58	.82														
12	62	57	59	.04														
13	66	52	42	.09														
14	56	37	32	.0														
15	56	32	51	.08														First Frost
16	52	51	43	1.21														
17	55	41	36	.04														
18	60	30	45	.0														
19	61	39	50	.0														
20	57	41	38	.0														
21	57	36	32	.0														
22	60	31	35	.0														
23	59	35	45	.01														
24	46	40	39	.08														
25	48	39	45	.43														
26	62	45	42	.25														
27	60	41	44	.0														
28	51	43	42	.02														
29	46	35	35	.76														
30	37	35	36	.22														
31	48	40	33	.03														
SUM			4.63	CHECK BAR (For wire-weight) NORMAL CK. BAR														

CONDITION OF RIVER AT GAGE
 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.

READING DATE OBSERVER **David W. Ward Jr.**
 SUPERVISING OFFICE STATION INDEX NO.

STATION (Climate) *University of Maryland* (River Station, if different) MONTH *Nov.* *2002*
 STATE *MARYLAND* COUNTY *Washington* RIVER
 TIME (local) OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE

FORM B-91

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL WATER RESEARCH INSTITUTE

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 OBSN.	24-HR AMOUNTS		At Ob.	Mark 'X' for all types occurring each day.						CONDITION	GAGE READING AT A.M.	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.	
1	49	27	29	.0														
2	50	29	30	.0														
3	50	25	40	.0														
4	50	37	31	.0														
5	47	31	42	.46														
6	48	41	43	.09														
7	47	32	36	.0														
8	64	32	35	.0														
9	66	34	53	.0														
10	70	45	62	.0														
11	69	47	49	.28														
12	51	46	42	.68														
13	47	17	31	.0														
14	62	28	34	.0														
15	61	34	46	.0														
16	53	43	39	.54														
17	44	38	36	.47														
18	45	32	35	.0														
19	44	29	27	.02														
20	58	26	42	.0														
21	47	34	46	.51														
22	48	37	36	.0														
23	42	34	35	.0														
24	57	30	27	.0														
25	55	26	36	.0														
26	44	32	34	.0													Light Snow	
27	38	29	17	.13														
28	35	17	32	.0														
29	44	26	39	.0														
30	50	34	27	.0														
31																		
SUM			3.18	CHECK BAR (For wire-weight) NORMAL CK. BAR			Fog Ice Pellets Glaze Thunder Hail Dam. Winds						CONDITION			GAGE READING AT TENDENCY		

CONDITION OF RIVER AT GAGE READING DATE OBSERVER

- 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.

