

STATION (Climate) *University of Md CMREC* (River Station, if different)
 STATE *Maryland* COUNTY *Washington* MONTH *May* *2003*
 TIME (local) OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE
 TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO FL FLOOD STAGE FL NORMAL POOL STAGE FL

FORM B-91

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 OBSH.	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.										
	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	Time of observation, if different from above	CONDITION	GAGE READING AT	TENDENCY
1	79	59	59	.04																			
2	80	59	51	.0																			
3	65	50	50	.0																			
4	60	49	49	.0																			
5	50	32	50	.26																			
6	63	49	52	.0																			
7	78	49	58	.09																			
8	74	57	57	.45																			
9	63	54	59	.48																			
10	71	59	64	.28																			
11	82	62	61	.0																			
12	70	51	52	.02																			
13	62	47	42	.02																			
14	73	38	55	.0																			
15	66	50	56	2.30																			
16	57	53		.50																			
17	50	47		.0																			
18			44	.0																			
19	69	44	47	.0																			
20	73	42	59	.0																			
21	64	54	53	.04																			
22	57	52	54	.0																			
23	57	54	54	.15																			
24	67	58	56	.60																			
25	68	53	57	.01																			
26	66	55	58	.36																			
27	65	52	54	.0																			
28	66	49	52	.26																			
29	72	48	53	.0																			
30	78	50	59	.0																			
31	69	38	56	.60																			
SUM				6.46																			

CONDITION OF RIVER AT GAGE
 A. Obstructed by rough ice. E. Ice gorge below gage
 B. Frozen, but open at gage. F. Shove 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

OBSERVER *David Wlyard Jr.*

SUPERVISING OFFICE STATION INDEX NO.

STATION (Name) *University of Md. WMREC* (River Station, if different)
 MONTH *June* *2003*
 STATE *Maryland* COUNTY *Washington* RIVER
 TIME (local) OF OBSERVATION RIVER TEMP. 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

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.						CONDITION	GAGE READING AT A.M.		TENDENCY	
	MAX.	MIN.		Rain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets, (ins. and hundredths)	Snow, ice pellets, hail, ice on ground (ins.)	A.M.			NOON							P.M.
1	68	52	.45	.05													
2	70	41	.55	.0													
3	60	52	.55	1.44													
4	61	53	.53	.32													
5	71	54	.59	.61													
6	75	53	.60	.0													
7	65	60	.59	1.38													
8	70	58	.61	.10													
9	78	59	.58	.06													
10	80	53	.67	.0													
11	84	64	.68	.0													
12	83	66	.69	.78													
13	82	65	.68	1.29													
14	83	66	.69	.08													
15	77	63	.61	.0													
16	73	59	.59	.0													
17	63	58	.60	.29													
18	77	59	.68	.01													
19	82	64	.63	.18													
20	65	57	.57	.46													
21	68	54	.57	.46													
22	78	55	.58	.02													
23	85	53	.62	.0													
24	88	57	.65	.0													
25	90	60	.67	.0													
26	90	69	.71	.0													
27	82	68	.59	.0													
28	80	57	.65	.0													
29	86	62	.69	.0													
30	85	64	.64	.0													
31																	
SUM				6.93													

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 SUPERVISING OFFICE STATION INDEX NO.

STATION (Clima. **University of Md. WMREC**)

(River Station, if different)

MONTH **July 2003**

FORM B-91

U.S. DEPT.
NATIONAL OCEANIC AND ATMOSPHERIC
ADMINISTRATIONU.S. DEPT.
COMMERCE
ADMINISTRATION
MARINE SERVICESTATE **Maryland**COUNTY **Washington**

RIVER

TIME (local) OF OBSERVATION

TEMP.

PRECIPITATION

STANDARD TIME IN USE

TYPE OF RIVER GAGE

ELEVATION OF RIVER
GAGE ZERO

Fl.

FLOOD STAGE

Fl.

NORMAL POOL STAGE

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 Obs. Draw a straight line (—) through hours precipitation was observed, and a wavy line (~~~~) through hours precipitation probably occurred unobserved.	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, hail, etc. (ins.)												
1	82	60	66	.0													
2	75	67	67	.05													
3	77	65	67	.08													
4	90	63	72	.03													
5	91	70	72	.0													
6	90	69	69	.24													
7	88	68	71	.15													
8	87	69	72	.02													
9	87	68	66	.12						X							
10	73	66	69	.08													
11	84	62	65	.01													
12	83	60	60	.14						X							
13	81	57	65	.0													
14	80	62	66	.0													
15	84	63	73	.0													
16	87	67	63	.02													
17	85	58	63	.0													
18	78	59	64	.0													
19	83	59	57	.0													
20	84	52	66	.0													
21	89	62	70	.0													
22	87	69	68	.07													
23	80	66	63	.99													
24	81	61	59	.01													
25	84	56	64	.0													
26	80	59	71	.0													
27	89	71	74	.0													
28	80	67	64	.19													
29	80	62	62	.0													
30	81	59	68	.0						X							
31	78	67	71	.11													
SUM			SUM	1.81													

CONDITION OF RIVER AT GAGE

READING

DATE

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

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.

Fog
Ice Pel.
Glaze
Thund.
Hail
Dam. Winds

OBSERVER

SUPERVISING OFFICE

David Wynd Jr

STATION INDEX NO.

STATION (Climate) **University of Md. WMREC** (River Station, if different)
 STATE **MARYLAND** COUNTY **Washington** MONTH **Aug** YEAR **2003**
 RIVER
 TIME (local) OF OBSERVATION RIVER TEMP. 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.			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 (w) 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	
1	79	71	70	.28																										
2	85	68	72	.0																										
3	83	69	68	.0																										
4	83	67	67	.03																										
5	83	67	64	.0																										
6	82	68	64	.0																										
7	82	63	67	.0																										
8	84	66	69	.03																										
9	82	68	67	.0																										
10	83	66	69	.0																										
11	80	67	69	.68																										
12	86	64	67	.0																										
13	86	66	68	.0																										
14	91	67	68	.0																										
15	90	67	71	.01																										
16	87	69	66	.98																										
17	82	66	64	1.46																										
18	79	64	60	.0																										
19	82	59	66	.0																										
20	85	64	68	.0																										
21	88	66	72	.0																										
22	81	70	66	.0																										
23	81	60	51	.0																										
24	78	50	62	.0																										
25	88			.0																										
26	84	66		1.25																										
27	84	67		.27																										
28	89	63		.0																										
29	87	71		.15																										
30	87	70		.45																										
31	75	64		.0																										
SUM				6.09																										

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 **David Wymond Jr.**
 SUPERVISING OFFICE STATION INDEX NO.

STATION (Climate) **University of Md. WMREC** (River Station, if different)
 MONTH **October 2003**
 STATE **MARYLAND** COUNTY **Washington**
 RIVER
 TIME (local) OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE

FORM B-91
 3)

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			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)	At Obs. Snow, ice pellets, hail, ice on ground (ins.)	A.M.		NOON		P.M.						Fog	Ice Pellets	Glaze
1	84	68	71	.30															
2	75	66	64	.45															
3	78	64	57	.88										X					
4	76	64	55	1.21												X			
5	70	55		.0															
6	74	66	52	.0															
7	70	52	56	.0										X					
8	77	56	64	.0															
9	72	63	47	.09															
10	73	49	51	.0															
11	78	51	60	.0															
12	68	58	61	.09															
13	72	61	68	.32															
14	75		68	.02															
15	68	60	66	.0										X					
16	78	51	49	.78												X			
17	76	49	61	1.01															
18	68	59		.50															
19	78	60		.0															
20	81	60		.0															
21	72	65		1.97															
22	75	63		.20															
23	76	60		.43															
24	74	50		.0															
25	80	58		.58															
26	78	60		.0															
27	80	65		.50															
28	73	55		.02															
29	65	48		.01															
30	66	40		.0															
31																			
SUM			SUM	8.36															

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

OBSERVER *David W. Wyand Jr.*

SUPERVISING OFFICE STATION INDEX NO.

STATION (Climate) **University of Md. WMREC** (River Station, if different)
 MONTH **Nov** **2003**
 STATE **MARYLAND** COUNTY **Washington** RIVER
 TIME (local) OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE
 TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO Fl. FLOOD STAGE NORMAL POOL STAGE

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			Mark 'X' for all types occurring each day.						GAGE READING AT	TENDENCY					
	MAX.	MIN.		Plain, melted snow, etc. (ins. and hundredths)	Snow, ice pellets, (ins. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (ins.)	A.M.			NOON						P.M.			CONDN
1	76	44		.0															
2	78	49	50	.0															
3	79	50	45	.0															
4	80	45	66	.0															
5	73	61	59	.16															
6	63	58	49	.17															
7	58	48	38	.0															
8	48	34	22	.0															
9	42	22	20	.0															
10	48	19	39	.0															
11	51	38	48	.06															
12	59	46	44	.77															
13	59	36	34	.0															
14	48	34	36	.0															
15	53	34	43	.0															
16	52	42	40	.0															
17	58	34	47	.0															
18	54	46	62	.0															
19	67	45	47	1.42															
20	54	33	33	.0															
21	70	31	34	.0															
22	66	34	45	.0															
23	58	41	49	.0															
24	62	35	30	.47															Mix with Rain
25	41	29	29	0															
26	47	28	34	0															
27	53	33	51	0															
28	64	41	34	.77															
29	42	31	29	.0															
30	51	28	48	.0															
31																			
SUM			SUM	3.82															

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

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

READING DATE

OBSERVER **David Wyand Jr.**

SUPERVISING OFFICE STATION INDEX NO.

STATION (Climate) **University of Md. WMREC** (River Station, if different) MONTH **Dec** **2003**
 STATE **MARYLAND** COUNTY **Washington** RIVER
 TIME (local) OF OBSERVATION RIVER TEMP. 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)

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

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.	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	52	37	31	.0													
2	38	29	19	.0													
3	34	19	21	.0													
4	37	21	30	.0													
5	33	29	26	.0													
6	30	22	15	.0	6"	6"											
7	32	16	13	1.10													
8	36	24	25	.0													
9	38	19	34	.0													
10	55	32	42	.0													
11	46	36	33	.99													
12	38	28	21	.0													
13	30	20	26	.0													
14	30	25	34	.0		3"											
15	38	22	17	.0	4"											Rain, mist	
16	43	17	34	.78													
17	39	30	29	.0													
18	32	17	24	.0													
19	32	17	18	.0													
20	34	16	24	.0													
21	37	16	36	.0													
22	51	31	39	.0													
23	58	37	54	.0													
24	55	32	22	.45													
25	37	22	33	.0													
26	40	31	33	.0													
27	50	23	19	.0													
28	45	19	24	.0													
29	53	33	47	.01													
30	50	31	21	.05													
31	51	21	33	.0													
SUM			SUM	3.38													

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 *David W. Lyford Jr.*

SUPERVISING OFFICE

STATION INDEX NO.