

STATION (Climatological) University of Md. W.M.R.E.C.		(River Station, if different)		MONTH Feb.	19 97
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
(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 OSSN.	24-HR AMOUNTS		At Ob.		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, (ins. and tenths)	Draw a straight line (—) through hours precipitation was observed, and a wavy line (~~~~) through hours precipitation probably occurred unobserved.		Time of observation if different from above											
								A.M.		NOON		P.M.					Fog	Ice Pellets	Glaze
1	49	32	24	0															
2	45	24	36	0															
3	53	31	32	0															
4	36	29	36	.48															
5	36	35	35	0															
6	44	29	29	0															
7	41	27	31	0	2.0														
8	34	22	22	0	5.5														
9	37	13	25	.48															
10	33	12	28	0															
11	36	20	29	0															
12	37	12	12	0															
13	31	10	25	.30	2.0									X					
14	33	24	34	0															
15	43	32	22	0															
16	41	20	26	T															
17	37	25	31	0															
18	61	25	46	0															
19	67	32	32	0															
20	60	29	43	0															
21	69	42	59	0															
22	63	32	32	0															
23	51	26	32	T															
24	49	20	20	0															
25	41	18	25	0															
26	55	21	55	.10															
27	79	43	43	0															
28	56	37	45	0															
29																			
30																			
31																			
SUM			SUM	1.36	5.5	CHECK BAR (For wire-weight) NORMAL CK. BAR													
CONDITION OF RIVER AT GAGE				READING		DATE		OBSERVER David W. Ryan Jr.						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.															

STATION (Climatological) *University of Md.* (River Station, if different) *W.M.R.F.C.* MONTH *April* 19 *97*
 STATE *Maryland* COUNTY *Washington* RIVER _____
 TIME (local) OF OBSERVATION _____ TEMP *7:30AM - 7:30AM* PRECIPITATION _____ STANDARD TIME IN USE _____
 TYPE OF RIVER GAGE _____ ELEVATION OF RIVER GAGE ZERO _____ Ft. _____ Ft. _____ Ft.

WS 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 OBSN.	24-HR AMOUNTS		At Obs.	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, ice on ground (ins.)												
1	<i>58</i>	<i>35</i>	<i>46</i>	<i>0</i>													
2	<i>64</i>	<i>34</i>	<i>44</i>	<i>0</i>													
3	<i>74</i>	<i>33</i>	<i>57</i>	<i>0</i>													
4	<i>76</i>	<i>42</i>	<i>58</i>	<i>0</i>													
5	<i>66</i>	<i>49</i>	<i>52</i>	<i>0</i>													
6	<i>68</i>	<i>51</i>	<i>59</i>	<i>T</i>													
7	<i>65</i>	<i>40</i>	<i>40</i>	<i>0</i>													
8	<i>59</i>	<i>28</i>	<i>29</i>	<i>0</i>													
9	<i>39</i>	<i>26</i>	<i>26</i>	<i>0</i>													
10	<i>49</i>	<i>22</i>	<i>35</i>	<i>0</i>													
11	<i>56</i>	<i>28</i>	<i>37</i>	<i>0</i>													
12	<i>54</i>	<i>33</i>	<i>49</i>	<i>0</i>													
13	<i>57</i>	<i>38</i>	<i>38</i>	<i>.39</i>													
14	<i>56</i>	<i>29</i>	<i>29</i>	<i>0</i>													
15	<i>61</i>	<i>25</i>	<i>35</i>	<i>0</i>													
16	<i>69</i>	<i>29</i>	<i>50</i>	<i>T</i>													
17	<i>58</i>	<i>38</i>	<i>39</i>	<i>.01</i>													
18	<i>52</i>	<i>37</i>	<i>38</i>	<i>0</i>													
19	<i>60</i>	<i>32</i>	<i>32</i>	<i>0</i>													
20	<i>63</i>	<i>26</i>	<i>36</i>	<i>0</i>													
21	<i>52</i>	<i>29</i>	<i>33</i>	<i>.09</i>													
22	<i>63</i>	<i>30</i>	<i>47</i>	<i>T</i>													
23	<i>56</i>	<i>45</i>	<i>44</i>	<i>.16</i>													
24	<i>59</i>	<i>42</i>	<i>41</i>	<i>.09</i>													
25	<i>61</i>	<i>36</i>	<i>49</i>	<i>0</i>													
26	<i>68</i>	<i>36</i>	<i>44</i>	<i>0</i>													
27	<i>67</i>	<i>35</i>	<i>48</i>	<i>.40</i>													
28	<i>62</i>	<i>42</i>	<i>42</i>	<i>0</i>													
29	<i>71</i>	<i>36</i>	<i>48</i>	<i>0</i>													
30	<i>76</i>	<i>35</i>	<i>60</i>	<i>0</i>													
31																	
SUM			SUM <i>1.14</i>														

- 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-weigh!) NORMAL CK. BAR
 READING _____ DATE _____
 OBSERVER *David W. Lyand Jr.*
 SUPERVISING OFFICE _____ STATION INDEX NO. _____

STATION (Civil) ⁹¹⁰⁰¹ *University of Maryland, WMREC* (River Station, if different)
 STATE *Maryland* COUNTY *Washington* MONTH *JUNE* 19 *97*
 RIVER
 TIME (local) OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE
7:30AM - 7:30AM
 TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO FLOOD STAGE NORMAL POOL STAGE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F.		AT OBSN.	PRECIPITATION		WEATHER (Calendar Day)						RIVER STAGE		REMARKS (Special observations, etc.)								
	MAX.	MIN.		24-HR AMOUNTS	At Obs.	A.M.			P.M.			Fog	Ice Pellets		Gleaze	Thunder	Hail	Dancing Winds	Time of observation if different from above	CONDITION	GAGE READING AT	TENDENCY
						1	2	3	4	5	6											
1	73	62	62	1.28																		
2	68	52	52	.06																		
3	58	49	53	.04																		
4	73	50		0																		
5	74	42		0																		
6	70	44		0																		
7	63	54		0																		
8	74	48		0																		
9	80	47		0																		
10	86	51		0																		
11	82	52		.03																		
12	80	62		0																		
13	81	62		0																		
14	80	60		0																		
15	79	58		0																		
16	81	59		.24																		
17	83	62	68	.01																		
18	84	64	68	.01																		
19	83	60		0																		
20				0																		
21				0																		
22				.22																		
23	90	64	67	0																		
24	95	58	75	0																		
25	97	67	77	0																		
26	90	64	64	.49																		
27	85	59	62	0																		
28	87	53	67	0																		
29	85	56	68	0																		
30	85	58	68	0																		
31																						

Loss Data on Weather Machine

CONDITION OF RIVER AT GAGE CHECK BAR (For wire-weight) NORMAL CR. BAR

DATE: _____

READER: _____

DATE: _____

FOG: ICE PELLS: GLEAZE: THUNDER: HAIL: DANCING WINDS:

OBSERVER: *David W. ...*

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 (City) **University of Maryland** (River Station, if different) **July** 19**97**
 STATE **MARYLAND** COUNTY **Washington** RIVER
 TIME (local) **7:30 AM - 7:30 AM** PRECIPITATION STANDARD TIME IN USE
 TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO FLOOD STAGE NORMAL POOL STAGE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F.		AT OBSN.	PRECIPITATION		WEATHER (Calendar Day)							RIVER STAGE		REMARKS (Special observations, etc.)	
	MAX.	MIN.		24-HR AMOUNTS		Mark 'X' for all types occurring each day.							CONDITION	GAGE READING AT A.M.		TENDENCY
				Rain, melted snow, etc. (line, and number)	Snow, ice pellets (line, and tenths)	Fog	Ice Pellets	Glaze	Thunder	Hail	Dancing Winds					
1	77	68	70	.12												
2	84	68	75	0												
3	95	67	74	0												
4	87	66	64	0												
5	79	61	61	0												
6	85	53	66	0												
7	87	60	66	0												
8	90	56	72	0												
9	92	62	64	.15												
10	83	59	60	0												
11	85	51	62	0												
12	90	52	68	0												
13	93	58	68	0												
14	94	62	70	0												
15	97	64	72	.03												
16	94	68	71	0												
17	99	64	74	0												
18	99	64	70	0												
19	92	61	61	0												
20	85	51	71	0												
21	92	63	71	0												
22	80	67	67	.06												
23	72	62	62	.17												
24	65	61	63	.26												
25	78	61	63	0												
26	83	58	73	0												
27	95	68	74	0												
28	97	66	70	.03												
29	82	59	59	0												
30	82	47	57	0												
31	87	47	62	0												
SUM			SUM	82												

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

CHECK BAR (For water weight) NORMAL CK. BAR

READING DATE

OBSERVER *David W. Ward Jr.*

SUPERVISING OFFICE STATION INDEX NO.

STATION (Climato) *Div. ty of MARYLAND WMRE.C* (River Station, if different) MONTH *Aug* 19 *97*
 STATE *Maryland* COUNTY *Washington* 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.			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	91	52	70	0													
2	84	65	66	0													
3	92	60	66	T													
4	80	61	61	.10													
5	76	53	53	.08													
6	80	47	53	T													
7	82	48	54	0													
8	85	46	57	0													
9	88	49	68	0													
10	88	62	65	0													
11	90	60	70	0													
12	88	68	73	T													
13	86	70	70	0													
14	82	67	67	.10													
15	91	64	76	0													
16	101	70	72	0													
17	93	70	70	.68													
18	80	62	62	0													
19	74	60	61	.57													
20	68	60	63	.42													
21	83	60	60	0													
22	77	55	61	0													
23	77	52	52	0													
24	79	48	65	0													
25	78	61	63	0													
26	81	58	66	0													
27	84	63	64	.01													
28	85	59	59	.16													
29	79	55	55	0													
30	83	51	62	0													
31	85	57	61	0													
SUM.			SUM.	2.12													

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 Wilyard Jr.*

SUPERVISING OFFICE STATION INDEX NO.

STATION (Climatological) University of Maryland WMREC		River Station, if different		MONTH Sept		19 97	
STATE Maryland		COUNTY Washington		RIVER			
TIME (local) 7:30AM-7:30AM		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.	

WS FORM B-91
(7-89)

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.,)									
	34 HRS. ENDING AT OBSERVATION		AT OBSN.	24-HR AMOUNTS Rain, melted snow, etc. (in. and hundredths)	At Obs. Snow, ice pellets (in. and tenths)	Snow, ice pellets fall, ice on ground (in.)	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 A. M.	TENDENCY				
	MAX.	MIN.					A. M.			NOON			P. M.			Fog	Ice Pellets	Glaze			Thunder	Hail	Drizzling Wind	Time of observation if different from above
1	90	59	64	0																				
2	92	61	70	T																				
3	72	49	49	.10																				
4	71	42	43	0																				
5	81	40	53	0																				
6	81	43	54	0																				
7	90	50	62	.01																				
8	79	61	67	0																				
9	72	64	65	.36																				
10	73	64	66	4.41																				
11	76	57	57	.14																				
12	79	53	53	0																				
13	76	51	58	0																				
14	76	54	54	0																				
15	79	54	55	0																				
16	81	52	57	0																				
17	81	55	66	.03																				
18	80	51	51	0																				
19	80	49	68	0																				
20	85	51	51	0																				
21	64	41	41	T																				
22	69	38	52	0																				
23	69	49	49	0																				
24	60	47	50	0																				
25	72	43	57	0																				
26	72	42	42	0																				
27	71	41	54	0																				
28	66	53	60	0																				
29	75	57	63	1.56																				
30	70	53	53	0.03																				
31																								
SUM				6.64																				

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

OBSERVER: *David T. Lynd Jr.*

SUPERVISING OFFICE: _____ STATION INDEX NO. _____

