ATTACHMENT
C

NOAA WEATHER REPORTING
SHEETS 1969-94
PANAMA CITY DIVISION

U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION—WEATHER BUREAU (ARCHIVED)

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Station: Panama City 2
County: Bay
State: Florida
Time of observation (local time) if once daily: 5:00 P.M.
If at different times, temperature _____, precipitation _____
Month: January 19 69
Standard time is use: Central Std.

Date	Temperature °F: 24-hr. ending at observation Max	Min	At obsn	Precipitation: Show a straight line (—) through hours precipitation was observed, and a curved line (~) through hours precipitation probably occurred unobserved. 24 AM 12 1 2 3 4 5 6 7 8 9 10 11 12 PM 1 2 3 4 5 6 7 8 9 10 11 12	24-hr. amounts: Rain, Melted snow, etc. (Inches & hundredths)	Snow, Sleet, Hail (Inches & hundredths)	At other times: Snow, Sleet, Hail, ice on ground (Inches)	Weather Calendar (Mark 'X' for all types occurring each day): Fog	Thunder	Ice Pellets	Hail	Glaze	Drifting or blowing snow	Time of observation if different from the above	Important weather conditions not included in "Weather" items, remarks, etc.
1	52	32	42		0										7P	1169
2	52	32	48		0											
3	56	41	51		0										10P	
4	51	38	38		.02										7P	
5	41	28	30		0										8P	
6	55	23	49		0											
7	62	40	46		0											
8	46	27	41		0											
9	70	50	55		TR.										10P	
10	55	38	39		0											
11	49	35	47		0											
12	55	32	39		0										10P	
13	58	34	41		0										10P	
14	60	32	42		0										7P	
15	41	36	47		0										10P	
16	67	42	60		0										7P	
17	69	53	60		TR										11P	
18	67	59	65		TR										9P	
19	66	61	61		.11											
20	61	53	55		0										9P	
21	63	51	51		0											
22	64	50	52		.23										12M	
23	69	50	62		0										9P	
24	74	54	57		.07										12M	
25	58	44	44		0										11P	
26	57	37	53		0										11P	
27	70	47	61		0											
28	72	56	66		0											
29	71	56	57		0										12P	
30	70	55	60		0										10P	
31	[illegible]				0											
Sum	1841	1300			.49	0	X									
Mean	61	433														
Departure	74	23			.23											

Observer: George C. Cook
Post Office: 2705 W. 14th St.

Entries ☐ when additional sheet is used for remarks

List items or numbers needed _____

Station _____ Month _____ 19 _____

BEST COPY AVAILABLE

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION—WEATHER BUREAU

State: Panama City 2

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County: Bay

Time of observation (local time) if once daily: 5:00 P.M.

Month: February 19 69

State: Florida

If at different times, temperature _____, precipitation _____

Standard time in use: Central

Date	Temperature °F 24 hr. ending at observation: Max.	Min.	At obs.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. 2 AM 8 AM 2 PM 8 PM	24-hr. amounts: Rain, Melted snow, etc. (Hrs. & hundredths)	Snow, Sleet, Hail (Hrs. & tenths)	6-hr. amounts: Snow, Sleet, Hail, Ice on ground (tenths)	Weather Calendar Day: Mark "X" for all types occurring each day: Fog	Sleet	Snow	Thunder	Hail	Glaze	Time of Obs. if different from time above	Important weather conditions not included in "Weather" block; remarks, etc.
1	70	58	64		.09									10P	2/69 Panama City Fl
2	75	62	65		0										
3	67	47	48		.23										
4	55	35	51		0										
5	60	31	54		0										
6	68	51	62		.12										
7	69	57	60		0				X					11P	
8	65	60	64		1.08										
9	64	46	48		0									10P	
10	58	25	49		0									7P	
11	63	115	115		0									11P	
12	66	41	59		0									6P	
13	59	35	47		0										
14	54	43	51		.05									10P	
15	62	44	53		2.64										
16	53	41	43		.02									10P	
17	51	41	42		0									10P	
18	55	36	42		0										
19	60	35	51		0										
20	63	42	50		0									10P	
21	63	43	52		0									10P	
22	68	46	54		.23										
23	59	46	47		0									10P	
24	64	40	53		0									7P	
25	61	40	53		0									7P	
26	64	41	48		0									10P	
27	68	42	51		0									9P	
28	64	45	61		Tr									11P	
29															
30															
31															
Sum	1748	1232			4.46	0	X								
Mean	62.4	44.0													
Extreme	75	31			2.64										

Observer: George C. Cook

Post Office: 2703 W. 14th St.

Check ☐ when additional sheet is used for remarks

List forms on quarter sealed _____

Station _____ Month _____ 19 _____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6841-

U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION—WEATHER BUREAU

RECORD OF CLIMATOLOGIC OBSERVATIONS

State Panama City 2 — Time of observation (local time) if once daily 5:00 P.M. — Month March 1969

County Bay — If at different times, temperature ____, precipitation ____ — Standard time in use Central

State Florida

Bundled 40703

Date	Temperature °F Max.	Temperature °F Min.	Temperature °F At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line through hours precip probably occurred unobserved. (A.M. / Noon / P.M. / Midnight)	24-hr amounts: Rain, Melted snow, etc. (Inches & hundredths)	24-hr amounts: Snow, Sleet, Hail (Inches & tenths)	At obs. time: Snow, Sleet, Hail on ground (Yes or No)	Weather Calendar Said: Work X for all types occurring each day — Fog	Sleet	Snow	Thunder	Hail	Damaging Wind	Time of obsn. if other than as shown	Important weather conditions not included in "Weather" block, remarks, etc.
1	72	42	48		0										3/69
2	59	26	44		0									11P	
3	57	41	53		.21										
4	60	44	51		0									7P	
5	55	38	53		0										
6	59	48	49		2.26									6P	Panama City
7	59	43	50		0										FL
8	68	43	60		.16									11P	
9	60	42	42		0									11P	
10	56	36	51		0										
11	51	32	38		0									10P	
12	52	27	45		.06										
13	61	25	44		.02									10P	
14	65	35	52		0									10P	
15	65	45	60		.63									10P	
16	59	49	53		.92									10P	
17	59	52	59		1.33									9P	
18	65	58	60		.92										
19	71	55	57		0									11P	
20	72	48	58		0										
21	72	53	59		0										
22	76	53	55		0									10P	
23	73	55	64		.09									10P	Hail in some areas-Brief
24	74	54	66		1.05									10P	
25	67	52	59		0									7P	
26	63	45	50		0										
27	64	35	55		0									9P	
28	71	50	64		0										
29	73	43	54		0									10P	
30	76	45	61		0										
31	78	54	66		0									6P	
Total	2005	1398			7.65	0	X								
Average	64.7	45.1													
Extreme	78	32			2.26										

60

Observer George C. Cook

Post Office 2702 W. 14th St.

Check ☐ when additional sheet is used for remarks

Entries on punched cards ____

Station ____ Month ____ 19 ____

GPO: 1964—O-720-376

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6841-

U.S. DEPARTMENT OF COMMERCE — ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION—WEATHER BUREAU

Site Panama City 2 — RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay — Time of observation (local time) if once daily 5 PM — Month April 19 69

State Florida — If at different times, temperature ____, precipitation ____ — Standard time is use Central

Punched C55

Date	Temperature °F 24-hr. ending at observation Max.	Min.	At obsn.	Precipitation — Draw a straight line (—) through hours precipitation was observed, and a curved line through hours precip. probably occurred unobserved (0 6 12 18 24)	24-hr. amounts Rain, Melted snow, etc. (Inc. & hundredths)	Snow, Sleet, Hail (Inc. & tenths)	At obsn. Depth Snow, Sleet, Hail on ground	Weather Calendar Day — Was "X" for all types occurring each day: Fog	Sleet	Glaze	Thunder	Hail	Dust Storm	Time of Obsn. or of occurrence if other than Local Time	Unusual local weather conditions not included in "Weather" block, remarks, etc.
1	76	52	63		0									7P	4/09 LATE DATA
2	77	55	69		0										
3	78	55	60		0										
4	81	56	68		0			X							
5	78	65	65		.18										
6	80	61	67		0									9P	
7	80	61	70		0									7P	
8	79	58	70		0										
9	82	61	73		0										
10	77	62	65		.20									11P	
11	79	64	69		0									7P	
12	86	62	71		0									6P	
13	79	68	71		TR.									7P	
14	77	63	71		.20										
15	74	67	70		.90									6P	
16	76	66	71		0									10P	
17	74	67	72		.13										
18	78	68	68		.03										
19	71	60	61		0										
20	70	51	60		0										
21	77	58	63		0										
22	78	57	67		0										
23	81	54	72		TR.									9P	
24	75	53	64		0										
25	79	51	60		0									6P	
26	79	52	69		0									10P	
27	80	56	68		0										
28	79	59	74		0										
29	81	59	67		0										
30	78	55	71		0										
31															
Sum	2339	1776			1.64	0	X								
Avg	78.0	59.2													
Ext	86	51			.90										

Observer George T. Castle

Post Office 2703 W. 14th St

Check ☐ when additional sheet is used for remarks

List forms submitted herewith ____

Station ____ Month ____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6841-

U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SERVICES ADMINISTRATION—WEATHER BUREAU

RECORD OF CLIMATOLOGICAL OBSERVATIONS

(REVISED 9-60)

St. Panama City 2

County Bay

State Florida

Time of observation (local time) if once daily 5:00 P.M.

If at different times, temperature _____, precipitation _____

Month May 19 69

Standard time in use Central Daylight

Punched

Date	TEMPERATURE °F 24 hrs. ending at observation Max.	Min.	At obsn.	PRECIPITATION Draw a straight line (—) through hours precipitation was observed, and a waved line (~) through hours precip. probably occurred unobserved. 2AM 2PM	24-hr amounts Rain, Melted snow, etc.	Snow, Sleet, Hail	At obsn. Snow, Sleet on ground	WEATHER (CALENDAR DAY) Mark X for all types occurring each day: Fog, Sand, Haze, Thunder, Rain, Snow, Drizzle, Glaze	Time of obsn.	Important weather conditions not included in "Weather" blocks; remarks, etc.
1	85	62	73		0					5/69
2	76	63	70		TR				7P	
3	79	62	68		.28				9P	
4	83	61	66		0				11P	
5	82	61	69		0					
6	83	63	76		0					
7	85	62	74		0				10P	Panama City
8	82	67	75		0					FL
9	77	66	66		2.62				10P	
10	78	52	68		0				11P	
11	77	62	62		0				12M	
12	82	54	62		0				10P	
13	86	57	76		0				6P	
14	77	64	74		.78					
15	78	64	68		0				9P	
16	81	64	68		.24				11P	
17	82	68	76		TR				6P	
18	77	69	70		.66				10P	
19	83	66	71		0				11P	
20	88	67	78		TR				7P	
21	90	67	81		.09				6P	
22	91	69	77		0				7P	
23	88	69	79		0				7P	
24	91	68	79		TR.				8P	
25	89	69	75		0				9P	
26	89	70	72		0				9P	
27	87	67	71		1.07				6P	
28	85	67	82		.03				6P	
29	89	66	80		0				6P	
30	85	68	76		0				9P	
31	90	70	82		0				6P	
Av.	2598	1972			5.77	0	X			
Av.	83.8	63.6			2.62					
Ex.	91	52								

Observer Lieroce C. Combs

Post Office 2703 W. 14th St.

Check ☐ when additional sheet is used for remarks

List forms supplied record _____

Station _____ Month _____ 19 _____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6841-9

U.S. DEPARTMENT OF COMMERCE — ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION — WEATHER BUREAU

RECORD OF CLIMATOLOGICAL OBSERVATIONS

State: Panama City 2
County: Bay
State: Florida
Time of observation (local time) if one: 5:00 PM
If at different times, temperature ____ precipitation ____
Month: June 19 69
Standard time in use: Central daylight

LAUNCHED 6-69

Date	Temperature °F 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation — Draw a straight line thus to mark hours precipitation was observed, and a second line thus through hours precip. probably occurred unobserved.	24-hr amounts Rain, Melted snow, etc. (Dec. & hundredths)	Snow, Sleet, Hail (Dec. & tenths)	At obsn. Kind, Code	Weather Calendar (last) Mark "X" for all types occurring each day: Fog	Thunder	Ice Pellets	Hail	Glaze	Drifting Snow	Time of beginning & ending of each type	Important weather conditions not included in "Weather" items, remarks, etc.
1	88	73	76		0									10P	
2	88	70	79		0									7P	
3	88	69	74		0									11P	
4	91	64	83		0									6P	
5	87	69	79		0									6P	
6	89	67	83		0									7P	
7	90	68	79		0									7P	
8	91	70	81		0									7P	
9	92	72	84		0										
10	90	77	81		0									6P	
11	91	71	78		0									10P	
12	87	72	82		.49									6P	
13	94	72	89		0										
14	91	73	89		.75									4P	
15	93	71	80		1.17									7P	
16	91	73	83		0									7P	
17	90	70	81		0									7P	
18	89	74	81		0									7P	
19	90	77	78		0									11P	
20	91	78	83		TR									8P	
21	85	77	79		.03									7P	
22	91	72	82		0									10P	"
23	93	78	86		0									7P	
24	92	80	85		0										
25	92	79	82		0									8P	
26	92	74	82		0									10P	
27	96	76	83		0									11P	
28	97	78	84		0									6P	
29	97	77	84		TR.									7P	
30	94	75	84		0									8P	
31															
Sum	2730	2196			2.44	0	X								
Mean	91.0	73.2													
Extr.	97	64			1.17										

Observer ____
Post Office ____

Check ☐ when additional sheet is used for remarks
Last forms on position received ____
Station ____ Month ____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6841-1

U. S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION—WEATHER BUREAU (REVISED 9-66)

Station: Panama City 2, F

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County: Bay

Time of observation (local time) if once daily: 5:00 P.M. Month: July 19 69

State: Florida

If at different times, temperature ____, precipitation ____ Standard time is use: Central Daylight

Date	Temperature °F 24 hrs. ending at obs. Max.	Min.	At obs.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a waved line through hours precip. probably occurred unobserved. A.M. NOON P.M.	24-hr. amounts Rain, Melted snow, etc. in hundredths	Snow, Sleet, Hail in tenths	At obs. time Snow, Sleet, Rain, Ice on ground Yes/No	Weather (Calendar day) Mark "X" for all types occurring each day: Fog, Thunder, Ice Pellets, Hail, Glaze, Drifting Snow, Duststorm or Sandstorm, Smoke or Haze	Time of beginning and ending of each period
1	94	74	82		.20				
2	94	76	77		TR				
3	93	73	85		.49				6P
4	92	76	77		TR				
5	92	75	86		0				6P
6	93	77	84		0				9P
7	96	77	86		0				
8	94	75	76		.21				12P
9	94	75	89		0				
10	91	72	82		2.38				
11	93	81	85		0				8P
12	96	77	77		.27				
13	90	75	84		0				
14	90	74	84		0				
15	91	70	72		.54				10P
16	79	71	77		.73				6P
17	93	76	78		1.65				10P
18	92	75	77		.10				12P
19	89	72	75		0				11P
20	87	71	80		.03				
21	86	74	82		.19				6P
22	88	75	81		.55				7P
23	91	79	84		.01				7P
24	82	72	80		2.00				7P
25	89	78	81		.02				10P
26	89	80	84		0				7P
27	91	81	81		TR				8P
28	84	72	82		5.30				6P
29	89	73	84		0				
30	85	73	82		.59				6P
31	90	75	85		0				
Total	2776	2322			15.24	0	X		
Avg.	89.5	74.9							
Extreme	96	70			5.30				

Observer: Henry T. Cook

Post Office: 2703 W. 14th St

Check ☐ when additional sheet is used for remarks

List forms subsequently needed: ____

Station ____ Month ____ 19 ____

LPO 1961—O-576-178

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

Panama City FL

BEST COPY AVAILABLE

08-6341- 1

U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION—WEATHER BUREAU

Station Panama City

County Bay

State Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time, if once daily) 5:00 P.M.

If at different times, temperature ____ precipitation ____

Month August 19 62

Standard time in use Central Daylight

Date	Temperature °F: 24 hrs. ending at observation — Max.	Min.	Avg.	Precipitation: Draw a straight line through hours precipitation was observed, and a wavy line through hours precipitation probably occurred unobserved.	24-hr. amounts: Rain, Melted Snow, etc. (Inches & hundredths)	Snow, Sleet, Hail (Inches & tenths)	At other times: Snow, Sleet, Hail, Ice on ground (Inches)	Weather Calendar (Mark "X" for all types occurring each day): Fog	Thunder	Ice on ground	Time of first occurrence (if different than the above)	Important weather conditions not included in "Weather" block; remarks, etc.
1	92	73	82		.09						7P	8/16/9 Panama City
2	90	74	83		0						7P	
3	84	74	75		2.51						10P	
4	89	72	83		0							
5	87	71	78		.13							
6	89	70	79		.50							
7	89	70	80		.04							
8	89	75	84		0							
9	89	77	83		.17						9P	
10	88	76	82		.62						7P	
11	88	73	82		.20						7P	
12	89	71	78		0						10P	
13	86	70	71		0							
14	89	70	76		.08						11P	
15	87	73	80		.11						7P	
16	90	75	78		0						10P	
17	88	73	74		.99						6P	
18	88	79	84	94	.70						6P	
19	90	76	82		.20							
20	90	79	85		.26						7P	
21	93	77	81		0						11P	
22	89	77	83		0						7P	
23	85	75	77		0							
24	87	72	79		0						9P	
25	88	69	84		0						6P	
26	90	68	75		0						9P	
27	92	69	84		0						6P	
28	90	74	76		0						10P	
29	89	68	75		0							
30	85	68	74		.04						8P	
31	83	72	77		.29						9P	
Sum	2737	2256			6.93	0	X					
Avg.	88.1	72.8										
Extreme	92	67			2.51							

Observer Sterling C. Cooke

Post Office 2708 W. 14th St.

Check ☐ when additional sheet is used for remarks

List forms submitted herewith ____

Station ____ Month ____ 19 ____

BEST COPY AVAILABLE

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-68415 1

Punched 4386

Station Panama City 2

County Bay

State Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily 5:00 P.M.

If at different times, temperature _____, precipitation _____

Month September 19 69

Standard time in use Central Daylight

Day	TEMPERATURE °F 24 hrs. ending at observation Max.	Min.	At obsn. 7P	PRECIPITATION (Draw a straight line through hours precipitation was observed, and a waved line through hours precip. probably occurred unobserved)	24-hr amounts Rain, Melted snow, etc. (to hundredths)	Snow, Sleet, Hail (tens & tenths)	At other times Snow, Sleet, Hail, Ice pellets, Glaze, Rime, Frost	WEATHER CALENDAR DAY Mark 'X' for all types occurring each day: Fog	Sleet	Snow	Thunder	Hail	Glaze	Time of Obsn. if different from time above	Important weather conditions not included in "Weather" block; remarks, etc.
1	86	72	77		0									7P	9/69
2	80	71	74		.12									12P	
3	89	70	76		0									11P	
4	89	72	76		0									10P	
5	91	72	77		0									10P	
6	91	73	83		.02									7P	Panama City
7	91	71	81		0									10P	
8	92	72	86		0										Fl
9	91	74	79		.04									10P	
10	81	65	75		0									6P	
11	82	61	71		0									10P	
12	84	64	68		0									10P	
13	85	62	84		0										
14	85	63	73		0									11P	
15	82	66	85		0										
16	85	71	74		.03									9P	
17	89	70	83		0										
18	90	72	78		0									9P	
19	82	72	76		.29									11P	
20	77	70	70		3.90									4P	
21	82	70	77		2.62										
22	84	72	73		0									10P	
23	84	72	74		0									9P	
24	79	69	77		0									6P	
25	85	66	74		0									9P	
26	87	70	72		0									11P	
27	88	63	72		0									10P	
28	86	67	72		0									11P	
29	81	66	72		0										
30	72	62	62		.65									6P	
31															
Sum	2562	2059			7.67	0	X								
Avg	85.4	68.6													
Extreme	92	61			3.90										

Observer Bruce C. Cook

Post Office 2703 W. 14th St

Check ☐ when additional sheet is used for remarks

List forms or supplies needed _____

Station _____ Name _____ '19__

08-6841

FORM 816 (REVISED 1950)

U. S. DEPARTMENT OF COMMERCE — WEATHER BUREAU

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Station: Panama City, Fla.
County: Bay
State: Florida
Time of observation (local time) if once daily: 5:00 P.M.
If at different times, temperature _____, precipitation _____
Month: October 1969
Standard time in use: Central

Date	TEMPERATURE °F: 24 hrs. ending at observation Max.	Min.	At obsn.	PRECIPITATION: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. NOON / MIDNIGHT	24-hr. amounts: Rain, Melted Snow, etc. (Dec. 6 hour)	Snow, Sleet, Hail (Dec. 6 hour)	At obsn. Snow, Sleet, Hail, Ice on ground	WEATHER (CALENDAR DAY): Mark X for all types occurring each day: Fog	Snow	Rain	Thunder	Hail	Dangerous Wind	Time of Obsn. if different from 24-hr. amount	Important weather conditions not included in "Weather" block, remarks, etc.
1	81	61	75		.41										10/69
2	80	65	74		0									7P	
3	85	61	70		0									11P	
4	87	68	79		0									7P	
5	84	73	76		0									9P	
6															Missed reading
7	85	69	73		0									10P	
8	85	69	77		0									7P	
9	85	68	79		.01									6P	
10	83	69	73		0									10P	
11	85	68	73		0									10P	
12	82	69	70		0									11P	
13	84	64	77		0										
14	78	64	65		0									10P	
15	71	60	70		T										
16	77	60	67		0										
17	80	59	64		0										
18	83	56	68		0										
19	77	68	76		.03										
20	81	73	75		.01										
21	80	72	77		.05									6P	
22	84	70	80		0										
23	81	54	64		0									10P	
24	70	59	60		T									11P	
25	73	60	67		T										
26	69	65	66		0									10P	
27	79	62	66		0									10P	
28	78	58	70		0									6P	
29	72	58	59												
30	72	54	63		1										
31	68	61	65		.45										
Sum	2397	1913			1.96	0									
Avg	77.3	61.8													
Extreme	87	54													

Observer: Keaton C. Cook Jr.
Post Office: 2704 W. 14th St.

Check ☐ when additional sheet is used for remarks
List forms or number needed _____
Station _____ Month _____ 19__

08-6841-1

U.S. DEPARTMENT OF AGR, WEATHER BUREAU

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Station Panama City 2 W

County Bay

State Florida

Time of observation (local time) if once daily 5:00 P.M.

If at different times, temperature _____, precipitation _____

Month November 19 69

Standard time in use Central

Date	TEMPERATURE °F (C) 24 hrs. ending at observation Max.	Min.	At 1 time	PRECIPITATION Draw a straight line (—) through hours pre-sitation was observed, and a waved line (~) through hours precip. probably occurred unobserved. A.M. P.M.	24-hr amounts Rain, Melted snow, etc. (Inc. & tenths)	Snow, Sleet, Hail (Inc. & tenths)	At time Snow, Sleet, Hail, Ice on ground (Inches)	WEATHER (CALENDAR DAY) Mark 'X' for all types occurring each day: Fog, Hail, Glaze, Thunder, Hail, Dust/Sandstorm	Time of Obsn. if different from time above	11/69 Important weather conditions not included in "Weather" block; remarks, etc.
1	73	64	68		.18					omitted from last months Report -
2	70	58	59		0					
3	67	49	58		0				10P	1.45 inch RAIN
4	58	46	49		0				11P	which occured on
5	61	40	55		0					October 31.
6	67	41	53		0				12M	
7	73	52	67		0				7P	
8	73	53	63		3.51					
9	74	53	54		0				11P	
10	73	51	55		0					
11	72	46	66		0				10P	
12	76	59	59		.13				11P	
13	68	54	55		.54				10P	
14	56	36	36		0				10P	
15	50	28	39		0				9P	
16	61	37	47		0				9P	
17	73	43	63		0					
18	77	58	68		0				10P	
19	59	35	45		.35				10P	
20	58	37	43		0				10P	
21	63	35	46		0				11P	
22	67	41	51		0				10P	
23	69	50	57		0				9P	
24	73	53	57		0				10P	
25	72	55	59		0				10P	
26	71	49	51		0				10P	
27	72	52	62		0				11P	
28	66	55	55		.07				11P	
29	62	46	54		0				9P	
30	58	40	46		0				10P	
31										
Sum	2021	1427			4.78	0	X			
Avg	67.4	47.6								
Extreme	77	28			3.51					

Observer George E. Cooke

Post Office 2709 W. 14th St

Check ☒ when additional sheet is used for remarks

List forms or supplies needed WBF 612-7, Envelopes Addressed To N.W.R.C.

Station 08-6841-1 Mont. 69

08-6841-1

U. S. DEPARTMENT OF COMMERCE — WEATHER BUREAU — (REVISED 1948)

RECORD OF CLIMATOLOGICAL OBSERVATIONS

State: Panama City 2 — Month: December — 19 69

County: Bay — Time of observation (local time) if once daily: 5:00 P.M.

State: Florida — If at different times, temperature _____, precipitation _____ — Standard time in use _____

Punched 43802

Date	Temperature °F: 24 hrs. ending at observation: Max.	Min.	At obsn.	Precipitation: Draw a straight line through hours precipitation was observed, and a wavy line through hours precip. probably occurred undetected. (A.M. / P.M.)	24 hr. amounts: Rain, Melted snow, etc. (Ins. & hundredths)	Snow, Sleet, Hail (Ins. & tenths)	At obsn. (Snow, Sleet, Hail, Ice on ground)	Weather (Calendar day): Mark "X" for all types occurring each day: Fog	Sleet	Glaze	Thunder	Hail	Dangerous Wind	Time of obsn. (if different from time daily observed)	Important weather conditions not included in "Weather" block, remarks, etc.
1	64	42	57		0									11P	
2	61	45	47		0									8P	
3	65	39	52		0									11P	
4	58	41	45		0									9P	
5	58	31	49		0									11P	
6	62	47	62		.16									10P	
7	62	50	51		.80									10P	
8	58	47	48		0									10P	
9	57	44	49		.29									7P	
10	64	49	52		1.61									7P	
11	65	45	55		0									6P	
12	58	40	46		0									11P	
13	59	32	43		0									7P	
14	66	39	55		0									10P	
15	62	42	55		0									11P	
16	63	44	44		0									10P	
17	62	35	58		0										
18	63	37	45		0									10P	
19	68	42	55		0										
20	57	41	46		0									11P	
21	64	44	55		.83										
22	56	39	40		0									9P	
23	67	34	63		0									7P	
24	64	41	53		0										
25	66	50	50		1.45									11P	
26	54	41	42		0									11P	
27	58	33	44		0									11P	
28	65	55	42		0									10P	
29	72	54	66		0									10P	
30	71	59	59		.05									10P	
31	60	46	49		0										
Sum	1926	1321			5.19	0	X								
Avg	62.1	42.6													
Ex.	72	32			1.61										

Observer: George C. Cook

Post Office: 2103 W. 14th St.

Check ☐ when additional sheet is used for remarks 1-C

List forms or supplies needed: Plastic Rain Measuring Stick

Station: Panama City 2, Fla. — Month: ~~NOVEMBER~~ Dec. — 19 69

12/69 Panama City FL

08-6841-1

B. FORM 616-1m

U. S. DEPARTMENT OF C[illegible] CE, WEATHER BUREAU

(REVISED 1951)

RECORD OF CLIMATO[illegible]ICAL OBSERVATIONS

Punched 43901

City Panama City

County Bay

State Florida

Time of observation (local time) if once daily 5:00 P.M.

If at different times, temperature _____, precipitation _____

Month JANUARY 19 70

Standard time in use Central

Day	TEMPERATURE °F 24 hrs. ending at obsvn. Max.	Min.	At obsvn.	PRECIPITATION — Draw a straight line through hours precipitation was observed, and a wavy line through hours precip. probably occurred unobserved. 24 HRS.	24-hr. amounts: Rain, Melted snow, etc. (Inches & hundredths)	Snow, Sleet, Hail (Inches & tenths)	At obsvn.: Snow, Sleet, Hail, ice on ground or roof	WEATHER (CALENDAR DAY) Mark X for all types occurring each day: Fog	Snow or Sleet	Freezing Rain	Thunder	Hail	Smoke or Haze	Time of beginning of report in the group	Important weather conditions not included in "Weather" block, remarks, etc.
1	49	41	42		1.11										
2	49	30	43		0									12M	
3	47	41	42		0										
4	50	30	41		0									10P	
5	52	38	47		.13										
6	55	43	43		1.65									7P	
7	43	26	32		0										
8	41	21	36		0										
9	37	20	21		0									7P	
10	43	23	34		0									6P	
11	51	33	50		1.29									6P	
12	55	47	48		.08										
13	50	39	44		0										
14	57	35	53		0									7P	
15	59	47	52		0									10P	
16	58	51	53		.08									8P	
17	64	53	60		.02									11P	
18	61	54	54		0										
19	59	45	50		Tr.									7P	
20	50	37	37		0									11P	
21	45	30	42		0										
22	50	29	40		0									7P	
23	61	39	47		.35									8P	
24	55	32	45		0									11P	
25	67	41	60		Tr									6P	
26	65	56	57		Tr			X						11P	
27	60	52	53		Tr.			X							
28	71	52	62		0			X							
29	68	58	62		0			X						7P	
30	64	40	40		.61									11P	
31	55	32	38		0										
Sum	1691	1215			5.37	0	X								
Ave.	54.5	39.2													
Extreme	71	20			1.65										

Observer Heinz C. Cook

Post office 2703 W. 14th St.

Check ☐ when additional sheet is used for remarks

List forms or supplies needed _____

Station _____ Month _____ 19 _____

68-6841-1

U. S. DEPARTMENT OF COMMERCE — WEATHER BUREAU

(REVISED 1956)

RECORD OF CLIMATOLOG. - OBSERVATIONS

St. Panama City 2 — County Bay — State Florida

Time of observation (local time) if once daily 5:00 P.M. — if at different times, temperature _____, precipitation _____

Month February — 19 70 — Standard time in use Central

Date	Temperature °F 24 hrs. ending at obsn. Max.	Min.	At obsn.	Precipitation — Draw a straight line through hours precipitation was observed, and a wavy line through hours precip. probably occurred undetected. (00 … 12 … 00)	24-hr. amounts Rain, Melted snow, etc. Ins. & hundths	Snow, Sleet, Hail Ins. & tenths	Kind other (Snow, Sleet, Hail, Ice pellets, Glaze) Reported	Weather Calendar Days — Mark X for all types occurring each day: Fog	Sleet	Glaze	Thunder	Hail	Dangerous Wind	Time of beginning of each type	Important weather conditions not indicated in "Weather" blocks, remarks, etc.
1	61	35	60		.10						X			7P	
2	57	53	54		1.16									11P	
3	54	30	30		TR									8P	
4	44	21	38		0									6P	
5	56	30	43		0									10A	
6	62	41	47		0									11P	
7	58	44	45		0									11P	
8	62	41	50		0										
9	59	48	52		.10										
10	55	37	50		0									8P	
11	59	45	55		0									10P	
12	62	42	42		0									11P	
13	58	30	43		0									10A	
14	66	38	55		0									10A	
15	70	50	65		TR									11P	
16	71	60	63		1.34										
17	63	46	47		.23									10P	
18	63	43	55		0									10A	
19	67	52	57		0									9P	
20	61	41	46		0									11P	
21	59	35	41		0									10P	
22	63	30	45		0									11P	
23	70	41	51		0									10P	
24	67	46	57		0									9P	
25	66	55	55		.32									9P	
26	55	33	45		0										
27	60	31	47		0									11P	
28	66	42	59		0										
29															
30															
31															
Sum	1734	1140			3.25	0	X								
Avg	61.9	40.7													
Ex.	71	21			1.34										

Observer George E. Cook

Post Office 2703 W. 14th St.

Check ☐ when additional sheet is used for remarks

List forms or supplies needed _____

Station _____ Month _____ 19 ____

08 6841-1

Form 1013

W. B. Form 1013-a

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

(REVISED 1934)

Station Panama City 2

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay

Time of observation (local time) if once daily 5:00 P.M. Month April 19 32

State Florida

If at different times, temperature _____ precipitation _____ Standard time in use Central

Date	Temperature (°F) 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation. Draw a straight line through hours precipitation was observed, and a waved line through hours precip. probably occurred unobserved. AM / PM	24-hr amounts Rain, Melted snow, etc. (Inches & hundredths)	Snow, Sleet, Hail (Inches & tenths)	At obsn. Snow, Sleet, Hail, on ground (Inches & tenths)	Weather (Kalendar day) Mark "X" for all types occurring each day: Fog, Hail, Glaze, Thunder, Hail, Snowfall	Time of obsn. if different from 24 hrs. as above	Unusual weather conditions not included in "Weather" blank, remarks, etc.
1	81	68	73		0					
2	73	59	59		.03				10P	
3	70	48	51		0				10P	
4	72	48	59		0				11P	Rain after 5:00PM Not measured
5	69	57	62		.99				11P	
6	75	56	60		0				11P	
7	73	M	55		0				10P	Min thermometer left upon
8	72	49	62		0				8P	previous reading
9	75	51	66		0					
10	77	62	67		0				6P	
11	79	57	64		.33				11P	
12	79	60	63		1.07				12M	
13	77	58	62		0					
14	80	63	63		0				10P	
15	79	56	67		0				7P	
16	81	56	70		0				6P	
17	79	56	70		0				11P	
18	82	69	70		0					
19	70	68	73		0				8P	
20	85	62	71		.02					
21	84	67	76		0				6P	
22	87	71	75		0				6P	
23	83	67	75		0				6P	
24	Missed				0					Missed readings
25	85	70	77		0					
26	83	70	76		0				9P	Daylight Time Began
27	84	73	74		0				10P	CDT
28	85	74	80		0					
29	87	73	75		0				10P	CDT
30	88	69	71		0				6P	CDT
31										
Sum	2309	1737			Sum 2.49	0	X			
Av.	79.6	62.0			Greatest 1.07					
Extr.	88	48								

Observer George C. Cook

Post Office 2723 W. 14th St.

Check ☐ when additional sheet is used for remarks

List forms or supplies needed _____

Station _____ Month _____ 19__

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6841-1

Form 1031a

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU (REVISED 1950)

Station Panama City 2

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay

Time of observation (local time) if once daily 5:00 PM

Month June 1970

State Florida

If at different times, temperature ____ precipitation ____

Standard time in use C.D.T.

Day	Temperature °F 24 hrs. ending at observation Max.	Min.	At obs. h.	Precipitation — Draw a straight line (—) through hours precipitation was observed, and a wavy line (~~~) through hours precip. probably occurred unobserved. 24 hr. amounts: Rain, Melted snow, etc. (Inches & hundredths)	Snow, Sleet, Hail (Inches & tenths)	At obs. time Snow, Sleet, Rain, or drizzle	Weather Calendar (Mark X for all types observed each day): Fog	Sleet	Snow	Thunder	Hail	Damaging Wind	Time of first appearance if different from the above	Important weather conditions not included in "Weather" block; remarks, etc.
1	86	70	80	.20									6P	
2	85	72	75	.47									7P	
3	78	70	74	.59									9P	
4	86	71	77	.39										
5	83	73	75	Tr.									10M	
6	83	67	75	0									8P	
7	83	62	76	.72									7P	
8	88	63	79	0									7P	
9	90	65	80	0									7P	
10	86	69	76	0									11P	
11	90	68	73	0									10P	
12	89	68	78	0									11P	
13	92	73	83	0									8P	
14	95	71	76	.04									12M	
	90	70	82	0									6P	
16	91	70	74	.18									11P	
17	92	71	81	Tr.									7P	
18	97	73	85	0									7P	
19	96	78	83	0									10P	
20	97	80	85	0									7P	
21	96	79	82	0									9P	
22	95	76	81	0									7P	
23	93	73	84	.21									7P	
24	92	71	74	2.20									7P	
25	78	72	78	2.20										
26	84	73	78	1.08									10P	
27	90	77	82	0									8P	
28	90	72	83	.12									7P	
29	93	70	83	0										
30	90	68	79	0									8P	
31														
Σ	2678	2135		Tot.	8.10	0	X							
Av.	89.3	71.2		Greatest	2.20									
Ex.	97	62												

Observer George C. Cook

Post Office 2703 W. 14th St.

Check ☐ when additional sheet is used for remarks

List forms or supplies needed

Station ____ Month ____ 19__

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6841-1

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU (REVISED 1958)

State Panama City 2

County Bay

State Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily 5:00 P.M.

If at different times, temperature _____, precipitation _____

Month July 19 70

Standard time in use Cent. Daylight

Punched 25900

Date	TEMPERATURE °F 99 — 24 hrs. ending at observation: Max.	Min.	At obsn.	PRECIPITATION — Draw a straight line (—) through hours precipitation was observed, and a waved line (~) through hours precip. probably occurred unobserved. (Hours: 1 2 3 4 5 6 7 8 9 10 11 Noon 1 2 3 4 5 6 7 8 9 10 11 Mid.) — 24-hr amounts: Rain, Melted snow, etc. (Ins. & hundredths)	Snow, Sleet, Hail (Ins. & tenths)	At obsn. Snow, Sleet, Hail, Ice on ground (Inches)	WEATHER (CALENDAR DAY) — Mark "X" for all types occurring each day: Fog	Sleet	Snow	Thunder	Hail	Unusually Strong Wind	Time of Obsn. if different from the above	Important weather conditions not included in "weather" block, remarks, etc.
1	93	70	78		0									11P	
2	95	75	88		0										
3	93	80	86		0										
4	87	70	81		1.01									7P	
5	91	75	82		0									8P	
6	92	73	77		0									10P	
7	91	75	83		.01									7P	
8	90	77	83		0									6P	
9	90	72	84		.18									6P	
10	94	80	81		.06									11P	
11	93	78	84		0									7P	
12	87	74	80		.21									11P	
13	89	74	82		T									7P	
14	93	74	86		0									6P	
15	93	75	83		0									11P	
16	92	76	82		.04									8P	
17	89	72	77		0									11P	
18	93	72	82		0									8P	
19	93	75	80		0									10A	
20	93	79	81		0									8P	
21	85	72	81		.40										
22	86	70	82		.63									1P	
23	89	76	78		.12									9P	
24	88	72	75		.26									11P	
25	91	73	76		0									8P	
26	95	73	80		0										
27	94	76	80		.14										
28	92	74	83		0									7P	
29	93	74	86		0									6P	
30	95	76	84		0									6P	
31	95	76	79		0									11P	
Sum	2834	2307			3.06	0	X								
Avg	91.4	74.4													
Extreme	95	70			1.01										

Observer George C. Cook

Post Office 2703 W. 14th St.

Check ☐ when additional sheet is used for remarks

Old forms or supplies needed _____

Station _____ Month _____ 19 _____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6841-1

U. S. DEPARTMENT OF COMMERCE — WEATHER BUREAU (REVISED 1939)

RECORD OF CLIMATOLOGIC OBSERVATIONS

Station: Panama City
County: Bay — Punched 59538
State: Florida
Time of observation (local time) if once daily: 5:00 PM
If at different times, temperature ____ precipitation ____
Month: August 1940
Standard time in use: Central Daylight

Date	Temperature °F: 24 hrs. ending at observation: Max.	Min.	At observation	Precipitation: 24-hr amounts: Rain, Melted snow, etc. (inc. & hundths)	Snow, Sleet, Hail (inc. & tenths)	At observation: Snow, Sleet, Hail, Ice on ground (inches)	Weather (Calendar Day): Mark "X" for all types occurring each day: Fog	Sleet	Glaze	Thunder	Hail	Damaging Wind	Time of beginning of longest rain storm	Important weather conditions not included in "Weather" items; remarks, etc.
1	95	76	85	0										
2	94	75	83	0									11P	
3	93	78	85	.07									7P	
4	96	75	84	0									10P	
5	95	75	86	0									6P	
6	94	74	76	1.23									6P	
7	93	73	77	0									11P	
8	91	73	85	.12										
9	85	73	76	2.00									6P	
10	85	73	81	3.29									6P	
11	82	75	80	2.21									6P	
12	85	75	76	2.00									6P	
13	87	72	80	TR									7P	
14	90	71	81	TR.									7P	
15	91	75	77	.18									8P	
16	93	73	71	TR.									12M	
17	91	72	82	0									7P	
18	92	75	84	0									6P	
19	87	73	80	.93									10P	
20	90	75	79	.02									11P	
21	89	74	78	.14									11P	
22	91	74	82	0									11P	
23	89	76	79	.20									11P	
24	86	75	76	2.18									8P	
25	89	73	83	TR									6P	
26	89	76	78	.03									10P	
27	87	75	75	.02									11P	
28	88	72	77	.02									11P	
29	92	75	76	.06									12M	
30	92	74	75	0									11P	
31	93	73	85	0									6P	
Total	2799	2299		14.75										
Mean	90.3	74.2												
Extreme	99	71		3.29										

Observer: Lionel C. Cook
Post Office: 2705 W. 14th St.

Check ☐ when additional sheet is used for remarks
List forms or supplies needed
Station ____ Month ____ 19__

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6841-1

W. B. FORM 1 (REVISED 1958)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Station Panama City 4

County Bay

State Florida

Time of observation (local time) if once only 5:00 P.M.

If at different times, temperature ____ precipitation ____

Month October 19 70

Standard time in use Central

Date	TEMPERATURE °F			PRECIPITATION				WEATHER CALENDAR (Mark 'X' for all types occurring each day)						Time of beginning of different from the above	Important weather conditions not included in "weather" blocks; remarks, etc.
	24 hrs. ending at observation		At obsn.	Draw a straight one (—) through hours precipitation was observed, and a waved one (~) through hours precip. probably occurred unobserved											
	Max.	Min.				24-hr. amounts									
						Rain, Melted snow, etc. (Ins. & hundths)	Snow, Sleet, Hail (Ins. & tenths)	At obsn. Snow, Sleet, Hail on ground (Ins.)	Fog	Sleet	Glaze	Thunder	Hail	Damaging Wind	
1	85	54	68			0									10A
2	87	60	69			0									11A
3	89	65	72			0									12M
4	87	67	69			0									10P
5	85	58	81			0									
6	86	65	76			0									10P
7	77	68	70			2.31									6P
8	85	70	74			.79									10A
9	84	71	79			TR.									6P
10	86	72	86			0									6P
11	87	69	73			0									12M
12	87	70	81			0									
13	86	69	76			0									10A
14	87	74	74			TR.									
15	86	70	70			0									9P
16	74	63	66			0									11P
17	74	57	62			0									9P
18	71	55	69			TR.									
19	70	64	67			1.35									6P
20	79	66	75			.15									
21	77	60	64			0									9P
22	77	58	73			0									6P
23	79	56	70			0									10A
24	83	63	64			.64									12M
25	81	59	66			0									10P
26	79	61	67			0									9P
27	76	59	65			0									7P
28	72	58	68			.01									10P
29	74	67	69			3.98									11P
30	76	64	65			TR.									11P
31	77	60	62			0									10P
Sum	2503	1972				9.23	0	X							
Av.	80.7	63.6													
Ex.	89	54				3.98									

Observer Mrs. George C. Cook

Post Office 2703 W. 14th St.

Check ☐ when additional sheet is used for remarks

List forms or supplies needed

Station ____ Month ____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6841-1

Punched 32124

U. S. FORM 1031-a

Station Vero City 2

County Dade

State Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily 5:00 P.M.

If at different times, temperature _____ precipitation _____

Month November 19 29

Standard time in use Central

Date	TEMPERATURE °F 24 hrs. ending at observation 8 a.m. Max.	Min.	8 a.m.	PRECIPITATION — Draw a straight line (red through hours precipitation was observed, and a wavy line (red through hours rain or drizzle occurred unobserved)	24 hr. amounts Rain, Melted snow, etc. (Inches & hundredths)	Snow, Sleet, Hail (Inches & tenths)	Snow, Sleet, Rain, Ice on ground (Check)	WEATHER (CALENDAR DAY) Mark for all hours observing each day: Fog	Sleet	Glaze	Thunder	Hail	Snowfall	Time of first appearance	Important weather conditions not included in "Weather" block, remarks, etc.
1	72	55	59		0									VF	
2	75	58	58		T									VF	
3	63	47	60		0										
4	60	45	53		0										
5	60	44	52		0									VF	
6	66	45	50		0									VP	
7	70	48	62		0										
8	75	46	62		0									VP	
9	78	56	70		0										
10	71	53	54		1.15									VP	
11	66	48	60		0										
12	72	50	56		.01									VP	
13	66	47	54		0									VP	
14	73	54	58		.50									VP	
15	59	45	45		0									7P	
16	50	37	44		0										
17	56	31	49		0										
18	71	40	63		0										
19	74	58	66		.30										
20	74	55	55		TR									VP	
21	65	44	55		0									4P	
22	70	40	60		0									7P	
23	60	41	41		.48									8P	
24	41	25	36		0										
25	48	25	35		0									VF	
26	65	35	48		0									VP	
27	71	46	52		0									VP	
28	75	41	51		0									DM	
29	72	47	53		0									9P	
30	75	48	56		0									9P	
31															
Sum	1993	1354			2.44	0	X								
Ave	66.4	45.1													
Extr	78	25			1.15										

Observer Geo. C. Cook

Post Office 3311 W. 14th St.

Check ☐ when additional sheet is used for remarks

List forms or supplies needed _____

Station _____ Month _____ 19__

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6841-1

Town & City Panama City, Fla. 32401 59525

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay

State Florida

Time of observation (local time) if once daily 5:00 PM

If at different times, temperature _____ precipitation _____

Month December 19 70

Standard time in use Central

Date	Temperature °F: 24-hr. ending at observation: Max.	Min.	At obsn.	Precipitation: Draw a straight line through hours precipitation was observed, and a wavy line through hours precip. probably occurred unobserved. * 6PM *	24-hr. amounts: Rain, Melted snow, etc. & hundredths	Snow, Sleet, Hail & tenths	At obsn. Snow, Sleet, Hail, now falling or on ground	Weather Calendar Day: Mark X for all types occurring each day: Fog	Sleet	Glaze	Thunder	Hail	Damaging Wind	Time of first appearance if different from the above	Important weather conditions not included in "weather" check, remarks, etc.
1	74	51	59		0									12P	
2	74	57	53		0									11P	
3	75	53	62		0									11P	
4	71	61	65		0										
5	67	42	53		0									6P	
6	66	44	44		0									12M	
7	59	34	46		0									11P	
8	66	40	53		0									10P	
9	75	52	62		0									10P	
10	76	55	53		0									11P	
11	75	51	63		0									11P	
12	73	53	53		.27									12P	
13	55	41	53		0										
14	61	44	45		.01										
15	62	41	60		0										
16	68	48	56		.47									11P	
17	60	46	49		0									6P	
18	65	39	51		0									10P	
19	70	46	61		0										
20	71	52	58		0									11P	
21	72	53	67		0										Note: I have changed jobs and quit about time which I have been doing. Therefore, I should be able to be more consistent in getting 5:00 P.M. readings in the future.
22	75	64	66		.02										
23	77	63	70		0										
24	70	46	46		.03									12M	
25	62	41	52		.47									7P	
26	53	31	42		0										
27	53	26	49		0										
28	63	38	54		0										
29	70	50	52		.31									11P	
30	56	45	52		0										
31	62	49	50		.87									7P	
Sum	2081	1456			2.47	0	X								
Avg	67.1	47.0			.87										
Ext	77	26													

Observer George C. Cook, Jr.

Post Office 2703 W. 14th St.

Check ☐ when additional sheet is used for remarks

List forms or supplies needed _____

Station _____ Month _____ 19 _____

08-6841-1

Punched 92900

U. S. DEPARTMENT OF COMMERCE — WEATHER BUREAU — (REVISED 1951)

Station Panama City 7 — RECORD OF CLIMATOLOGICAL OBSERVATIONS — Month JANUARY 19 71

County Bay

Time of observation (local time) if once daily 8:30 P.M. — If at different times, temperature _____, precipitation _____ — Standard time in use Central

State Florida

Date	Temperature °F (a) 24-hr. ending at observation Min.	Max.	At obsn.	Precipitation — Draw a straight line (—) through hours precipitation was observed; and a wavy line (~) through hours precip. probably occurred unobserved. 00 … 2400	24-hr. amounts Rain, Melted snow, etc. (Ins. & hundredths)	Snow, Sleet, Hail (Ins. & tenths)	At obsn. Snow, Sleet, Hail, Ice on ground (Ins.)	Weather (Calendar day) Mark "X" for all types occurring each day: Fog, Sleet, Glaze, Thunder, Hail, Drifting snow	Time of first occurrence of precipitation	Important weather conditions not included in "Weather" block; remarks, etc.
1	53	31	41		0				8P	
2	60	33	45		0				7P	
3	71	40	64		0				9P	
4	72	62	66		0					
5	68	50	53		.25				XP	
6	54	43	47		0					
7	60	35	54		0					
8	54	48	48		.51					
9	60	43	52		.01				6P	
10	62	40	51		0					
11	63	53	63		.40				9P	
12	71	58	58		0					
13	68	51	60		0					
14	73	51	67		0					
15	73	61	62		0					
16	Missed				0					
17	53	35	53		.02					
18	64	46	59		0					
19	59	36	37		0				6P	
20	45	24	29		0				9P	
21	60	27	55		0				4P	
22	63	51	60		0				8P	
23	70	59	60		0				10P	
24	73	59	64		T				10P	
25	69	60			.33					
26	71	53	55		0				10P	
27	56	39	45		0					
28	56	29	54		0					
29	64	36	58		0					
30	68	56	64		.33				10P	
31	72	61	62		0					
Sum	1905	1382			1.85	0	X			
Avg	63.5	46.0								
Ext.	73	24			.51					

Observer Henry C. Cook

Post Office 2783 W. 14th St.

Check ☐ when additional sheet is used for remarks

List forms or supplies needed N.B. Form 612-14 3/12

Station Panama City, Fla. Month January 19 71

08-6841-1

W. B. FORM — U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION—WEATHER BUREAU — (REVISED 6-70)

Station Panama City

County Bay

State Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily 5:00 P.M.

If at different times, temperature _____ precipitation _____

Month April 19 71

Standard time in use Cent. Daylight

Punched 4

Date	Temperature °F 24 hrs. ending at obs. Max.	Temperature °F 24 hrs. ending at obs. Min.	Temperature °F At obs.	Precipitation — Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. (A.M. / P.M.)	Precipitation 24-hr amounts — Rain, Melted snow, etc. (Hundredths)	Precipitation 24-hr amounts — Snow, Ice Pellets, Hail (Tenths)	Precipitation — At obs. time (Check if unusual precip. occurred but not at obs. time)	Weather Calendar Day — Was it or has it been observed during last day: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of first precip. (Hundredths)	Important weather conditions not included in "Weather" block, remarks, etc.
1	72	47	63		0									11P	
2	64	51	55		.66										
3	68	38	51		0									10P	
4	58	48	55		.10									10P	
5	64	55	55		.41									11P	
6	63	45	55		0									6P	
7	65	40	60		0										
8	72	40	62		0									6P	
9	76	44	63		0									6P	
10	77	49	66		0									6P	
11	84	55	71		0										
12	80	53	70		0										
13	80	50	72		0										
14	78	62	68		0									7P	
15	79	52	68		0									6P	
16	81	52	62		0									8P	
17	79	55	67		0										
18	79	57	68		0									7P	
19	86	55	72		0										
20	85	57	71		0										
21	83	65	74		0										
22	84	70	70		0										
23	81	68	76		0									6P	
24	81	65	67		0									8P	
25	83	54	75		0										Central Daylight Time
26	78	62	72		.15									8P	
27	81	71	78		0										
28	83	72	79		0										
29	81	69	75		TR										
30	80	64	67		TR										
31															
Sum	2305	1665			1.32	0	X							Check ☐ when additional sheet is used for remarks	
Avg	76.8	55.5													
Ex	86	38			.66									List forms or supplies needed _____	

Observer Berge C. Cook

Post Office 2703 W. 14th St.

Station _____ Month _____ 19 _____

PLEASE! Be sure the station name is on this ●. An unidentified record is easily lost.

08-6841-

W. B. FORM 7-10 — U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION—WEATHER BUREAU — (REVISED 6-70)

Station B on City 2

County Bay

State Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily 5 p.m.

If at different times, temperature _____, precipitation _____

Month May 19 71

Standard time in use Central

Date	Temperature °F: 24 hrs. ending at observation: Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. A.M. / NOON / P.M.	24-hr. amounts: Rain, Melted snow, etc. (Ins. & hund'ths)	Snow, Ice Pellets, Hail (Ins. & tenths)	Weather (Calendar Day): Mark 'X' for all types occurring each day: Fog, Ice Pellets, Snow, Thunder, Hail, Dangerous Wind	Time of obsn. if different from the above	Important weather conditions not included in "Weather" block, remarks, etc.
1	74	63	72		TR				
2	80	53	70		0				
3	74	60	69		0				
4	74	46	65		0			6P	
5	75	46	70		0				
6	81	62	71		0				
7	80	68	72		0			10P	
8	82	71	73		0			6P	
9	85	67	77		0				
10	86	68	78		0			6P	
11	83	67	77		0			7P	
12	80	68	71		.28				
13	76	70	70		.11			6P	
14	72	58	58		TR				
15	76	63	71		1.03				
16	81	60	76		0			6P	
17	86	61	77		0			6P	
18	85	62	77		0			6P	
19	84	68	80		0				
20	85	71	77		0			7P	
21	84	67	82		0				
22	88	60	74		0			6P	
23	85	60	79		0			6P	
24	84	68	76		0			7P	
25	83	68	74		.14			6P	
26	87	69	76		TR			7P	
27	89	72	80		0			7P	
28	84	71	80		.08			6P	
29	81	65	74		0			7P	
30	81	58	76		0			1	
31	85	62	77		0			7P	
Sum	2535	1973			1.64	0	X		
Avg	81.8	63.6							
Extreme	89	46			1.03				

Observer Homer C. Cook

Post Office 2705 W. 14th St.

Check ☐ when additional sheet is used for remarks

List forms or suppose needed _____

Station _____ Month _____

08-6841-1

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

N. B. FORM 3-10 — U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION—WEATHER BUREAU

Station Jasper City 2 — RECORD OF CLIMATOLOGICAL OBSERVATIONS — Month June 19 71

County Hamilton — Time of observation (local time) If once daily 5 P.M. — Standard time in use Cent. Daylight

State Florida — If at different times, temperature ____ precipitation ____

Punched 50713

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip probably occurred unobserved. 1 AM 2 3 4 5 6 7 8 9 10 11 12 NOON 1 2 3 4 5 6 7 8 9 10 11 12 PM	24-hr amounts: Rain, Melted snow, etc. (Inc. & hundredths)	Snow, Ice Pellets, Hail (Inc. & tenths)	At obsn. (Snow, Ice Pellets, Hail on ground not melted)	Weather Calendar Date: Mark "X" for all types occurring each day: Fog / Ice Pellets / Rain / Thunder / Hail / Unknown Precip	Time of Obsn. if different from the above	Important weather conditions not included in "Weather" block; remarks, etc.
1	90	64	82		0					
2	87	68	83		0					
3	90	69	79		.28					
4	89	67	79		0					
5	92	71	84	M	0				7P	
6	89	75	82		0					
7	83	69	79		.05					
8	90	68	84		0					
9	89	74	80		TR					
10	89	68	82		.04					
11	90	70	87		.50					
12	91	70	87		0					
13	92	74	82		0					
14	93	76	84		TR					
15	91	81	84		0				7P	
16	92	78	85		0					
17	89	73	81		.75					
18	91	73	83		0					
19	90	74	73		0				2P	
20	43	75	85		0					
21	89	75	84		0					
22	91	77	84		0					
23	89	73	85		0					
24	92	75	87		0					
25	90	75	85		TR					
26	93	75	79		.27					
27	91	73	78		0					
28	92	71	85		TR					
29	91	75	84		0					
30	91	73	83		0					
31										
Sum	2709	2185			1.89	0	X			
Av.	90.3	72.8								
Ex.	93	64			.75					

Observer George C. Cook

Post Office 2703 W. 14th St.

Check ☐ when additional sheet is used for remarks

List forms or supplies needed

Station ____ Month ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6841-1

W. B. FORM 7-10 U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION—WEATHER BUREAU (REVISED 6-70)

Station Lynn City 2 RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay Time of observation (local time) If once daily 5:00 P.M. Month July 19 71

State Florida If at different times, temperature ____, precipitation ____ Standard time in use Central Daylight

Rubbed 18036

Date	Temperature °F 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation — Draw a straight line (—) through hours precipitation was observed, and a second line (—) through hours precip. probably occurred unobserved. A.M. NOON P.M.	24-hr amounts Rain, Melted snow, etc. (Ins. & hund.)	Snow, Ice Pellets, Hail (Ins. & tenths)	Weather Calendar Day — Mark X for all types occurring each day: Fog, Ice Pellets, Snow, Thunder, Hail, Changing Wind	Time of Obsn. if different from that shown	Important weather conditions not included in "Weather" block; remarks, etc.
1	92	75	83		0				
2	90	78	86		0				
3	89	73	78		.61				
4	79	74	76		2.07				
5	87	74	84		.09				
6	90	78	83		0				
7	92	74	83		TR				
8	89	72	82		TR				
9	90	71	81		.90				
10	92	71	82		0				
11	92	74	82		TR				
12	89	72	75		1.25				
13	90	72	85		0				
14	92	76	86		0				
15	89	73	83		.03				
16	87	73	82		.90				
17	90	76	85		.05				
18	92	79	85		0				
19	86	75	85		.20				
20	87	72	75		1.42				
21	87	74	84		.55				
22	91	73	84		0				
23	91	70	83		0				7P
24	91	73	86		0				
25	92	74	84		0				7P
26	88	75	81		.46				
27	82	72	80		2.51				
28	90	72	84		0				
29	91	75	84		0				
30	87	75	75		1.18				11P
31	88	71	75		1.55				
Sum	2762	2286			14.97	0	X		
Avg	89.1	73.7							
Ext	92	70			3.07				

Observer George C. Crook. Post Office 2703 W. 14th St.

Fog | Ice Pellets | Snow | Thunder | Hail | Changing Wind

Check ☐ when additional sheet is used for remarks

List forms or supplies needed ____

Station ____ State ____ ZIP ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6841-1

W. B. FORM

U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE S[illegible]ES ADMINISTRATION—WEATHER BUREAU (REVISED 8-70)

Station Panama City 2

RECORD OF CLIMATOLOGICAL [illegible]ERVATIONS

Month August 71

County Bay

Time of observation (local time) If once daily 5:00PM P

State Florida

If at different times, temperature _____ precipitation _____

Standard time in use Cent. Daylight

AMENDED RUN

Date	Temperature °F: 24 hrs. ending at observation — Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a waved line (~~) through hours precip. probably occurred unobserved (A.M. / P.M.) — 24-hr amounts: Rain, Melted snow, etc. (Hundredths)	Snow, Ice Pellets, Hail (Tenths)	Ice on ground (Tenths)	Weather Calendar Day: Mark X for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Snow, Ice Pellets, Rain or Drizzle	Time of Obsn. if different from 24-hr period	Important weather conditions not included in "Weather" block; remarks, etc.
1	84	72	72	.70										
2	87	70	82	.01										
3	89	73	86	0										
4	92	73	82	0										
5	91	73	88	TR.										
6	90	73	85	.41										
7	89	72	83	.04										
8	91	74	85	0										
9	93	78	87	0										
10	88	75	84	.66										
11	84	74	74	(.14)									7P	Part of rain not measured - rain gauges covered to avoid freezing
12	91	73	85	TR										
13	92	75	86	TR										
14	91	73	85	0									7P	
15	91	72	89	0										
16	90	75	85	0										
17	89	71	86	0										
18	86	74	82	1.53										
19	91	73	85	.13										
20	92	73	78	TR									10P	
21	91	74	85	0										
22	96	75	85	0									7P	
23	91	77	83	0										
24	91	75	82	TR.										
25	88	73	83	.06										
26	87	73	79	.95										
27	89	72	82	0									9P	
28	90	74	78	1.15										
29	90	72	77	0									10P	
30	85	73	85	TR.										
31	89	73	77	.01									7P	
Sum	2773	2277												
Avg	89.4	73.4												
Ex.	93	70												

Observer George T. Cook

Post Office 2703 W. 14½ St.

Sum: 5.79 | 0 | X

Greatest: 1.53

Fog | Ice Pellets | Glaze | Thunder | Hail | Snow, Ice Pellets, Rain or Drizzle

CAUTION ☐ when additional sheet is used for remarks

Last forms or supplies received _____

Station _____ State _____ 19

PLEASE! Be sure the station name is on this f[illegible] An unidentified record is easily lost.

08-6841-

PUNCHED 626

W. B. FORM 9-1a — U.S. DEPARTMENT OF COMMERCE — ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION — WEATHER BUREAU — (REVISED 6-70)

Station Panama City

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay

Time of observation (local time) If once daily 5:00 P.M.

Month October 19 71

State Florida

If at different times, temperature ____ precipitation ____

Standard time in use Central Daylight

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obs.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred undetected	24-hr amounts: Rain, Melted snow, etc. (No. & hundredths)	Snow, Ice Pellets, Hail (No. & tenths)	At obs. time (Check if precip. began before and ended after observation)	Weather Calendar (Last): Mark X for all types observed each day: Fog	Ice Pellets	Clear	Thunder	Hail	Damaging Wind	Time of (first) occurrence of different type this month	Important weather conditions not included in "Weather" (fire, remarks, etc.)
1	90	70	84		0										
2	89	72	76		0										
3	90	72	83		0										
4	89	70	82		0										
5	89	72	85		0										
6	86	70	82		0										
7	85	68	70		TR										
8	84	58	70		0										
9	75	67	73		1.43										
10	74	61	62		.44										
11	73	50	67		0										
12	80	51	73		0										
13	82	59	75		TR										
14	85	71	77		0										
15	84	67	68		0										
16	84	65	80		0										
17	85	70	80		TR										
18	83	69	75		1.18										
19	77	60	72		0										
20	79	64	73		0										
21	80	64	75		0										
22	79	68	68		TR										
23	80	62	71		0										
24	80	65	75		TR										
25	75	63	72		0										
26	78	61	71		0										
27	81	65	67		0										
28	82	60	80		0										
29	84	64	72		0										
30	80	70	74		0										
31	80	69	71		0										
Tot.	2542	2017			3.05	0	X								
Avg.	82.0	65.1													
Ext.	90	50			1.43										

Observer Diana C. Cook

Post Office 2783 W. 14th St.

Check ☐ when additional sheet is used for remarks

List forms or supplies needed ____

Station ____ Month ____ 19 ____

08-6841-1

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

N. B. F. 110 U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION—WEATHER BUREAU (REVISED 6-70)

Station Panama City

County Bay

State Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily 5:00 P.M.

If at different times, temperature _____ precipitation _____

Month November 19 71

Standard time in use Central

Enriched 50967

Date	TEMPERATURE °F: 24 hrs. ending at observation Max.	Min.	At obsn. 7	PRECIPITATION: Draw a straight line (—) through hours precipitation was observed, and a wavy line through hours precip. probably occurred undetected. AM / PM	24-hr. amounts: Rain, Melted Snow, etc. (Inches & hundredths)	Snow, Ice Pellets, Hail (Inches & tenths)	At obsn. (Inches on ground & tenths)	WEATHER (CALENDAR DAY): Mark "X" for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Blowing Snow	Time of obsn. if different from the above	Important weather conditions not included in "Weather" block; remarks, etc.
1	85	67	77		0										
2	85	71	78		0										
3	80	68	69		0										
4	69	48	53		0										
5	74	44	67		0										
6	81	59	67		0										
7	76	64	66		0										
8	66	38	51		0										
9	63	46	53		.36										
10	63	46	58		TR										
11	68	40	54		0										
12	71	42	50		0										
13	74	47	55		0										
14	76	50	55		0										
15	75	51	68		0										
16	78	55	62		0										
17	80	57	60		0										
18	78	59	62		0										
19	79	59	70		0										
20	71	53	53		.09										
21	70	53	64		0										
22	54	37	47		0										
23	60	48	54		.01										
24	62	45	45		.22										
25	60	39	54		0										
26	67	40	62		0										
27	75	55	65		0										
28	72	50	69		.07										
29	70	62	63		.29										
30	67	48	52		0										
31															
Total	2149	1541			1.04	0	X								
Avg.	71.6	51.4													
Extr.	85	37			.36										

Observer George C. Cook

Post Office 2703 Jenks Ave. 14th St.

Check ☐ when additional sheet is used for remarks

List forms or supplies needed _____

Station _____ Month _____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6841-1

W. B. FORM [illegible] U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE CES ADMINISTRATION—WEATHER BUREAU (REVISED 6-70)

Station Panama City 2

County Bay

State Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily 5:00 P.M.

If at different times, temperature _____, precipitation _____

Month December 19 41

Standard time in use Central

Punched 4-72

Date	TEMPERATURE °F: 24 hrs. ending at observation Max.	Min.	At obsn.	PRECIPITATION: Draw a straight line through hours precipitation was observed, and a wavy line through hours precip. probably occurred unobserved. (A.M. / P.M.)	24-hr. amounts: Rain, Melted snow, etc. (Ins. & hundredths)	Snow, Ice Pellets, Hail (Ins. & tenths)	At other times (Ins. & hundredths)	WEATHER CALENDAR DAY: Mark X for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of obsn. if different from the usual	Important weather conditions not included in "Weather" block; remarks, etc.
1	64	45	48		0										
2	52	47	50		1.01										
3	61	42	42		.70										
4	49	43	45		TR										
5	58	45	58		.08										
6	74	57	70		0										
7	End of Record				M									M — Station Moved 7 miles N.E to Bay County Water Treatment Plant - End of Record -	
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31					M										
Sum	358	279			M 1.79	0	X								
Avg	59.7	46.5													
Extr	74	42			Greatest 1.01										

Observer Mrs. George T. Cook

Post Office 2703 W. 14th St.

Cases ☐ when additional sheet is used for remarks

Last forms or supplies needed _____

Station _____ Month _____ 19 ✓

PLEASE! Be sure the station name is on this [illegible]. An unidentified record is easily lost.

08-6841-

W. B. Form

U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION—WEATHER BUREAU (REVISED 6-70)

Station LAWANA Bay Co 5 NE

County Bay

State Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily 7:00 A.M.

If at different times, temperature _____, precipitation _____

Month February 19 72

Standard time in use Central

Punched 23900

Day	TEMPERATURE °F: 24 hrs. ending at observation Max.	Min.	At obsn. 40	PRECIPITATION: Draw a straight line (—) through hours precipitation was observed, and a zigzag line (~) through hours it did probably occurred unobserved. (A.M. / P.M.)	24-hr amounts: Rain, Melted snow, etc. (Inc. & hundredths)	Snow, Ice Pellets, Hail (Inc. & tenths)	At other times (Date, Hour ending, Amount and kind)	WEATHER CALENDAR: Mark "X" for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail, any size	Time of glaze, if different from time above	Important weather conditions not included in "Weather" block; remarks, etc.
1	58	39	51		0									
2	52	45	48		.82									
3	61	47	55		2.06									
4	63	30	32		.01									
5	51	30	33		0									
6	58	31	42		0									
7	68	41	62		1.49									
8	62	35	37		.01									
9	61	36	45		0									
10	57	32	38		0									
11	63	37	44		.15									
12	55	43	50		T									
13	65	42	43		.32									
14	57	30	35		0									
15	—	—	—											missed readings
16	62	34	59		2.41									
17	60	54	55		.27									
18	—	—	—											missed readings
19	70	38	41		.05									
20	53	35	38		0									
21	61	32	39		0									
22	64	38	50		0									
23	74	48	54		0									
24	—	—	—											
25	71	54	63		.04									
26	75	52	54	54	.12									
27	76	55	61		T									
28	66	55	58		2.19									
29	74	56	61		0									
30														
31														
Sum	1707	1025			9.94	0	X							
Avg	65.7	39.4												
Extr	76	30			2.41									

Observer Bay County Water System

Post Office Rt. 2, Box 2102

Last form or supplies received Station Panama

Check ☐ when addition sheet is used for remarks

TWB Form F-7

Copy to CO 5NE

Month Feb 72

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost. 6842-1

BEST COPY AVAILABLE

W. B. FORM 1-1

U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SER ADMINISTRATION—WEATHER BUREAU (REVISED 6-70)

Station Panama City 5 NE

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay

Time of observation (local time) If once daily 7:00 A.M.

Month April 19 72

State Florida

If at different times, temperature _____, precipitation _____

Standard time in use Central

Punched 4-.69

Punched 4018y

Date	TEMPERATURE °F 24 hrs. ending at observation Max.	Min.	At obsn.	PRECIPITATION Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours prec'd. probably occurred undetected. A.M. HOUR P.M.	24-hr. amounts Rain, Melted snow, etc. (Ins. & hundredths)	Snow, Ice Pellets, Hail (Ins. & tenths)	At other times (Ins. & tenths; mark T for trace)	WEATHER (CALENDAR DAY) Mark X for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Strong Wind	Time of obsn. if different from that above	Important weather conditions not included in "Weather" block, remarks, etc.
1	63	43	49		0			X							
2	69	39	46		0										
3	69	45	61		0										
4	74	48	63		0										
5	72	52	59		.80										
6	73	51	56		0			X							
7	78	55	70		0			X							
8	79	69	70		.05										
9	82	40	55		0										
10	72	46	54		0										
11	74	48	73		0									9A	
12	77	62	71		0										
13	79	67	72		0										
14	80	70	76		0										
15	84	71	69		0										
16	83	70	75		0										
17	83	59	65		0										
18	78	54	71		0										
19	82	60	70		0										
20	84	61	72		0			X							
21	83	58	74		0										
22	83	71	75		0										
23	77	59	66		.03			X							
24	86	59	71		0										
25	84	59	64		0										
26	77	47	59		0										
27	78	49	66		0										
28	79	53	68		0										
29	77	61	66		0										
30	80	59	62		0										
31															
Sum	2339	1685													
Avg	77.9	56.2													
Extreme	86	39													

Observer Bay County Water System

Post Office Route 4, Box 262

Total: .88 | 0 | X

Ground: .80

Fog | Ice Pellets | Glaze | Thunder | Hail | Strong Wind

CARDS ☐ when additional sheet is used for remarks

List forms or supplies needed _____

Station _____ State _____ Month _____ 19 _____

08-6842-

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

W. B. FORM 1 ...

U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SE... ES ADMINISTRATION—WEATHER BUREAU

(REVISED 6-70)

Station 1 Panama City

RECORD OF CLIMATOLOGICAL ...RVATIONS

County Bay

Time of observation (local time) if once daily 7:00 A.M.; Month June 19 72

State Florida

If at different times, temperature ____, precipitation ____ Standard time in use Central Daylight

Punched 92902

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. A.M. NOON P.M.	24-hr. amounts: Rain, Melted snow, etc. (Incl. 6 hr. amt.)	Snow, Ice Pellets, Hail (Incl. 6 hr. amt.)	Ice on Ground (Yes, No, Trace, Est. in. on ground at 7 a.m.)	Weather (Calendar Day): Mark "X" for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of Obsn. if different from that above	Important weather conditions not included in "Weather" block; remarks, etc.
1	85	61	64		0										
2	81	49	63		0										
3	86	55	63		0										
4	89	57	67		0										
5	91	61	69		0										
6	91	61	73		0										
7	91	71	78		0										
8	97	70	75		T										
9	91	66	69		0										
10	88	68	72		0										
11	89	69	79		0										
12	90	68	70		.29										
13	88	68	73		0										
14	85	71	75		.59										
15	90	73	77		0										
16	missed	report	Friday												
17	missed	report	Monday												
18	94	67	75		.04										
19	86	70	71		2.10										Hurricane Agnes
20	77	70	73		3.42										" "
21	90	72	82		0										
22	91	74	76		0										
23	91	66	71		0										
24	85	71	75		0			X							
25	84	74	79		.13						X				
26	85	69	79		.40										
27	87	78	80		0										
28	87	77	81		0										
29	88	79	81		0										
30	86	70	80		.02							X			
31															
Sum	2463	1905			6.99	0	X								
Avg	88.0	68.0													
Ex-treme	97	49			3.42										

Observer Bay County Water System

Post Office Route 4, Box 262

Check ☐ when additional sheet is used for remarks

List items or supplies needed

Station ____ Month ____ 19 ____

PLEASE! Be sure the station name is on this fo... An unidentified record is easily lost.

08-6842-

W. B. FORM F-10

U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION—WEATHER BUREAU (REVISED 6-70)

Station Panama City

County Bay

State Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily 7:00 AM. Month July 19 72

If at different times, temperature _____ precipitation _____ Standard time in use Eastern Daylight

Date	TEMPERATURE °F: 24 hrs. ending at observation Max.	Min.	At obsn.	PRECIPITATION: Dots = a single hour (—) through hours precipitation was observed, and a vertical line (|) through hours precip. probably occurred unobserved. A.M. / P.M.	24-hr. amounts: Rain, Melted snow, etc. (Ins. & hundredths)	Snow, Ice Pellets, Hail (Ins. & tenths)	At obsn. time on ground (Ins. & tenths)	WEATHER CALENDAR DAY: Mark "X" for all types observed each day: Fog, Ice Pellets, Glaze, Thunder, Hail, Damaging Wind	Time of obsn. if different from the usual	Important weather conditions not included in "Weather" block; remarks, etc.
1	88	70	76		Tr.					
2	91	66	73		0					
3	90	69	77		0					
4	91	68	74		0					
5	89	72	81		0					
6	89	69	71		.01					
7	86	64	71		0					
8	89	69	72		0					
9	90	63	79		0					
10	89	64	72		0					
11	91	70	77		0					
12	93	68	75		0					
13	97	68	76		0					
14	95	69	72		0					
15	91	69	73		0					
16	92	69	87		0					
17	91	69	78		0					
18	92	72	77		.33					
19	94	70	74		.90					
20	94	71	72		.51					
21	91	71	73		.22					
22	92	69	84		0					
23	94	70	75		0					
24	94	73	75		0					
25	92	73	76		0					
26	85	74	80		0					
27	90	73	76		0					
28	90	69	72		0					
29	91	71	78		0					
30	Missed									
31	90	69	72		.42					
Sum	2731	2081			2.39	0	X			
Avg	91.0	69.4								
Extreme	97	30			.90					

Observer Bay County Water System

Post Office Rt 11, Box 262

Check ☐ when additional sheet is used for remarks

List forms or supplies needed _____

Station _____ Month _____ 19 _____

08-6842-1

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

W. B. FORM F-1 — U.S. DEPARTMENT OF COMMERCE—ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION—WEATHER BUREAU — (REVISED 6-70)

Station Panama City — RECORD OF CLIMATOLOGICAL OBSERVATIONS — Month August — 19 72

County Bay — Time of observation (local time) if once daily 7:00 A.M. — Standard time in use Central

State Florida — If at different times, temperature ____ precipitation ____

Punched 50/51

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. A.M. / P.M.	24-hr. amounts: Rain, Melted snow, etc. (Inc. & hundredths)	Snow, Ice Pellets, Hail (Inc. & tenths)	At ground: Snow on ground this date (Inches)	Weather Calendar: Mark "X" for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of Obsn. if different from the above	Important weather conditions not included in "Weather" block; remarks, etc.
1	87	70	74		TR.										
2	91	72	75		0										
3	91	71	75		0										
4	93	71	78		.49										
5	96	71	77		.52										
6	95	74	79		TR.										
7	94	76	84		0										
8	93	78	81		.03										
9	92	74	83		0										
10	93	70	74		0										
11	94	71	75		0										
12	93	69	74		0										
13	95	68	76		.62										
14	91	70	73		.20										
15															
16	94	70	75		.10										
17	95	72	76		0										
18	94	72	75		0										
19	94	72	74		0										
20	97	71	73		.09										
21	98	73	74		0										
22	94	72	74		0										
23	91	72	74		1.35										
24	86	70	74		.02										
25	91	71	73		0										
26	89	72	75		.05										
27	91	69	71		.22										
28	90	71	82		.14										
29	89	70	74		1.50										
30	90	66	71		0										
31	91	69	70		.57										
Tot.	2771	2137			5.95	0	X								
Avg.	92.4	71.2													
Ex-treme	98	66			1.50										

Observer Bay County Water System — Post Office Rt 4 Box 262

Check ☐ when additional sheet is used for remarks

List forms or supplies needed ____

Station ____ Month ____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842

W.S. FORM 1 — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — (REV. 9-71)

Station: Fl. Mo. City SW Exp. Sta.
County: Bay
State: Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily: 7:00 A.M.
If at different times, temperature _____ precipitation _____

Month: October 19 72
Standard time in use: Central

PUNCHED 43802

Day	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation: Draw a straight line through hours precipitation was observed, and a curved line through hours precip. probably occurred unobserved. (A.M. / P.M.)	24-hr. amounts: Rain, Melted snow, etc. (Inches & hundredths)	Snow, Ice Pellets, Hail (Inches & tenths)	At obsn. (Snow, Ice Pellets, Hail now falling; Snow on ground)	Weather (Calendar Day): What's to be reported occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Dangerous Wind	Time of Obsn. if different from this day	Important weather conditions not included in "Weather" block; remarks, etc.
1	84	50	50		.39										
2	77	50	71		0										
3	81	61	68		0										
4	84	66	68		0										
5	83	66	70		0										
6	89	63	64		0										
7	83	63	64		0										
8	84	51	53		0			X							
9	83	52	56		0			X							
10	86	50	57		0										
11	86	57	65		0										
12	84	61	62		0										
13	85	54	57		0										
14	87	56	62		0			X							
15	88	62	64		0			X							
16	87	57	58		0			X							
17	87	58	62		0			X							
18	87	61	64		0			X							
19	87	62	64		0			X							
20	86	53	59		0										
21	85	54	55		0										
22	79	54	58		0										
23	83	61	68		0										
24	83	66	69		.48										
25	75	55	55		.27										
26	73	47	49		0										
27	73	48	71		.12										
28	78	56	59		2.30										
29	Missed				0										
30	73	50	60		0										
31	84	59	68		0										
Tot.	2466	1703			4.06	0	X								
Avg.	82.2	56.3													
Ext.	89	47			2.30										

Observer: Bay County Water System
Post Office: Route 4, Box 268

Each ☐ when additional sheet is used for remarks

List forms or supplies needed: _____

Station _____ Month _____ 19 _____

08-6842 1

PLEASE! Be sure the station name is on this f[illegible] An unidentified record is easily lost.

W.S. FORM [illegible] U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Station [illegible] Panama City

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay

Time of observation (local time) if once daily 7:30 A.M.

Month December 19 72

State Florida

If at different times, temperature _____, precipitation _____

Standard time in use Central

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a waved line (~) through hours precip. probably occurred unobserved. A.M. / NOON / P.M.	24-hr amounts: Rain, Melted snow, etc. (Hundredths)	Snow, Ice Pellets, Hail (Tenths)	Ice on ground (Yes, No, Trace, or with tenths)	Weather Calendar Day: Mark X for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Snowdrift	Time of Obsn. if different from the day	Important weather conditions not included in "Weather" block; remarks, etc.
1	54	34	47		.16										
2	59	32	36		0										
3	60	35	50		.03										
4	65	49	60		0										
5	75	59	63		.06										
6	77	63	73		.27										
7	79	53	55		.30										
8	67	54	65		0										
9	75	64	68		.32										
10	80	65	66		0			X							
11	80	60	61		0			X							
12	51	60	68		0										
13	80	63	67		0			X							
14	79	66	69		.29										
15	79	68	73		.01										
16	75	33	35		.22										
17	50	28	30		0										
18	48	29	34		0										
19	60	34	41		0										
20	71	41	59		T										
21	74	59	63		.42										
22	65	56	57		1.44										
23	58	46	46		.22										
24	57	37	41		T										
25	71	41	43		.10										
26	56	32	33		0										
27	55	31	33		0										
28	60	29	30		0										
29	66	30	42		0										
30	70	42	51		0										
31	73	54	66		.01										
Sum	2099	1447			3.35	0	X	Fog	Ice Pellets	Glaze	Thunder	Hail	Snowdrift		
Avg	67.7	46.7													
Ext.	81	23			1.44										

Observer Bay County Water System

Post Office Rt. 4, Box 262

Check ☐ when additional sheet is used for remarks

List forms or supplies needed _____

Station _____ Month _____ 19 ____

PLEASE! Be sure the station name is on this fo[illegible] An unidentified record is easily lost.

08-6842 1

W.B. FORM 1110 — U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Punched 00749

Station Panama City, S.A.E.

County Bay

State Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily 7:00 A.M.

If at different times, temperature ____ precipitation ____

Month January 19 73

Standard time in use Central

Date	Temperature °F: 24 hrs. ending at observation: Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours period probably occurred unobserved. A.M. / NOON / P.M.	24-hr amounts: Rain, Melted snow, etc. (Dec. & hundredths)	Snow, Ice Pellets, Hail (Dec. & tenths)	At obsn. (Time, in hundreds, that 24-hr period ends)	Weather Calendar (Mark "X" for all types occurring each day): Fog	Ice Pellets	Glaze	Thunder	Hail	Snow, Sleet	Time of Obsn.	Duration of precipitation	Important weather conditions not included in "Weather" block; remarks, etc.
1	69	60	61		3.65											
2	66	50	52		.76											
3	64	51	64		.06											
4	73	64	69		0											
5	73	53	55		.09											
6	74	54	70		0											
7	76	53	54		TR											
8	70	49	50		.20											
9	Missed															
10	Missed															
11	50	37	39		.42											
12	50	35	36		.22											
13	44	27	29		0											
14	53	25	31		0											
15	58	31	35		0											
16	70	32	42		0											
17	70	35	45		0											
18	71	45	52		0											
19	75	51	62		.10											
20	Missed															
21	74	31	59		0											
22	71	44	45		1.44											
23	70	41	43		0											
24	73	42	47		0											
25	66	40	43		0											
26	64	42	63		.03											
27	Missed															
28	69	41	60		1.78											
29	63	40	40		0											
30	45	25	27		0											
31	52	26	40		0											
Sum	1753	1124			8.75	0	X									
Avg	69.9	41.6														
Extreme	76	25			3.65											

Observer Bay County Water System

Post Office P.O. # 4, Box 262

Check ☐ when additional sheet is used for remarks

List forms or supplies needed ____

Station ____ Month ____ 19__

08-6842

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

W.S. FORM F — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Station: Panama City 5 NE
County: Bay
State: Florida
Time of observation (local time) if once daily: 7:00 A.M.
If at different times, temperature ____ precipitation ____
Month: February 19 73
Standard time in use: Central

Date	Temperature °F: 24 hrs. ending at observation: Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. (A.M. / P.M.)	24-hr amounts: Rain, Melted snow, etc. (Dec. 6 hrs/Obs)	Snow, Ice Pellets, Hail (Dec. 6 hrs/Obs)	Ice on ground (Snow, ice pellets, hail on ground at obsn time)	Weather Calendar (Mark X for all types occurring each day): Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of Obsn. if different from the rest	Important weather conditions not included in "Weather" block; remarks, etc.
1	66	48	60	40	.01										
2	69	60	62		2.75										
3	65	44	48		0										
4	61	30	32		0										
5	64	31	50		0										
6	70	47	55		0										
7	72	47	52		0										
8	73	49	61		0										
9	71	38	40		1.12										
10	46	31	32		1.22	0.5	1.5								SNOW FROM 11PM TILL 7AM
11	42	24	26		0										
12	55	27	32		0										
13	55	32	38		0										
14	69	40	55	38	.35										
15	72	40	40		.11										
16	62	31	32		0										
17	53	29	30		0										
18	44	29	40		0										
19	55	40	43		0										
20	59	33	38		0										
21	65	36	39		0										
22	65	35	40		0										
23	63	40	52		0										
24	64	35	40		0										
25	70	39	50		.25										
26	70	48	50		0										
27	72	46	52		0										
28	71	49	48		0										
29															
30															
31															
Total	1752	1075			5.81	0.5	X								
Avg	62	38													
Extr	73	24			2.75		.5								

Observer: Bay County Water Plant
Post Office: Pt 4, Box 262

Check ☐ when additional sheet is used for remarks
Last forms or supplies received ____
Station ____ Month ____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842 1

W.S. FORM F-1A — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — REV. 8-71

Station Fort Myers — RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Lee — Time of observation (local time) if once daily _____ — Month March 19 73

State Florida — If at different times, temperature _____ precipitation _____ — Standard time in use Central

Date	Temperature °F 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation — Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. A.M. / P.M.	24-hr amounts Rain, Melted snow, etc. (Incl. to hundredths)	Snow, Ice Pellets, Hail (Incl. to tenths)	At obsn. (Incl. to tenths; trace for pellets and hail)	Weather Calendar (Mark "1" for all types occurring each day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of Obsn. if Different from Max. Min.	Important weather conditions not included in "Weather" block; remarks, etc.
1	72	43	46		0										
2	71	45	60		T										
3	72	60	65		.01										
4	78	60	61		.01										
5	74	60	65		.23										
6	72	62	64		.25										
7	79	66	63		0										
8	71	57	62		1.59										
9	80	59	65		1.07										
10	80	62	66		0										
11	75	65	70		0										
12															
13	79	64	68		0										
14	80	63	66		0										
15	80	66	72		0										
16	80	71	72		0										
17	78	49	52		0										
18	63	35	50		T	.82									
19	69	41	52		0										
20	77	51	55		0										
21	69	51	56		.88										
22	64	38	45		0										
23	69	37	49		0										
24	74	47	55		0										
25	68	56	65		2.86										
26	74	59	65		0										
27	71	50	64		0										
28	70	49	58		0										
29	72	49	67		1.67										
30	72	61	67		2.10										
31	71	66	70		.35										
Sum	2205	1646			11.84	0	X								
Avg	74	55													
Extreme	80	35			2.86										

Observer Polk County Water System

Post Office Ft. Myers Box 362

Check ☐ when additional sheet is used for remarks

Unit forms or supplies needed _____

Station _____ Month _____ 19 _____

08-6842

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

W.S. FORM F-10 U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Station Panama City 5NE. RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay Time of observation (local time) if once daily 7:00 A.M. Month April 19 72

State Florida If at different times, temperature ____, precipitation ____ Standard time in use Central

Punched 5/0/73

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation: Show a straight line (—) through hours precipitation was observed, and a curved line (~) through hours precip. probably occurred unobserved. A.M. / P.M.	24-hr. amounts: Rain, Melted snow, etc. (to hund'ths)	Snow, Ice Pellets, Hail (to tenths)	Ice glaze (Check if ice glaze was observed on ice-coated surface)	Weather Calendar (Mark "X" for all types occurring each day): Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time or Obsn. if different from that day	Important weather conditions not included in "Weather" block; remarks, etc.
1	73	61	65		1.16										
2	77	53	64		0										
3	81	56	60		.43										
4	71	59	64		3.70										
5	70	43	52		.01										
6	65	48	54		0										
7	70	51	70		1.28										
8	71	50	56		1.04										
9	69	46	58		0										
10	72	40	46		0										
11	58	38	42		0										
12	63	41	54		0										
13	70	49	62		0										
14	78	51	52		0										
15	79	53	63		0										
16	78	59	65		0										
17	76	56	66		0										
18	Missed				0										
19	77	62	70		.21										
20	80	58	68		0										
21	84	64	68		0										
22	81	60	68		0										
23	80	66	69		0										
24	79	~~74~~	74	69	0										
25	80	75	75		0										
26	80	74	74		.06										
27	75	62	63		.68										
28	67	45	55		0										
29	71	44	52		0										
30	76	45	54		0										
31															
Sum					8.77	0	X								
Avg															
Ext.	84	38			3.90										

Observer Bay County Water System

Post Office Rt. 4, Box 262

Check ☐ when additional sheet is used for remarks

List forms or supplies needed ____

Station ____ Month ____ 19

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842 1

W.B. FORM F-10 — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE

Station [illegible] — RECORD OF CLIMATOLOGICAL OBSERVATIONS

County [illegible] — Time of observation (local time) if once daily 7:00 A.M. — Month May 19 73

State Florida — If at different times, temperature ____, precipitation ____ — Standard time in use Central Daylight

Day	Temperature °F 24 hrs. ending at observation Max.	Min.	7:00 A.M.	Precipitation (Dew & frost; Rain, melted snow, etc.; Snow, Ice Pellets, Hail; Depth on ground)	Weather Calendar Day (Fog; Ice Pellets; Glaze; Thunder; Hail; Ice on ground)	Time of Observation (if different from the above)	Important weather conditions not included in "Weather" (wind, remarks, etc.)
1	79	54	61	0			
2	72	60	65	0			
3	80	57	61	0	X		
4	77	55	54	.11			
5	72	45	55	0			
6	80	46	55	0			
7	77	54	78	0			
8	74	62	72	0			
9	74	62	69	2.22			
10	82	61	62	0			
11	87	58	62	0			
12	85	64	64	0			
13	85	66	67	0			
14	84	66	67	0			
15	85	62	61	0			
16	73	50	55	0			
17	75	49	56	0			
18	72	55	60	.18			
19	80	53	63	0			
20	80	62	71	0			
21	80	64	71	0			
22	83	66	73	0			
23							
24	85	70	74	0			
25	82	66	71	2.50			
26	83	69	78	0			
27	83	66	79	1.70			
28	82	64	78	0			
29							
30	87	69	71	.66			
31	81	65	73	.22			
Sum	2341	1708		7.61	1	X	
Avg	80.7	58.9					
Extr	87	44		2.50			

Observer Dow Corning Water Plant — Post Office Pl. City Box 262

Check ☐ when additional sheet is used for remarks

Unit forms or supplies needed W.S. Form F-10

Station ____ Month ____ 19 ____

PLEASE! Be sure the station name is on this f[illegible] An unidentified record is easily lost.

08-6842

W. S. FORM — U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPH — ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Station Panama City 4 SE

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay

Time of observation (local time) if once daily 7:00 A.M.

Month June 19 72

State Florida

If at different times, temperature ____ precipitation ____

Standard time in use Central Daylight

Day	Temperature °F: 24 hrs. ending at observation — Max.	Min.	24 hrs. ending at 7 p.m.	Precipitation: Draw a straight line from hour precipitation was observed, and a wiggly line through hours precip probably occurred unobserved. (A.M. / P.M.)	24-hr. amounts: Rain, Melted snow, etc. (Inc. & hund.)	Snow, Ice Pellets, Hail (Inc. & tenths)	Snow, ice pellets, hail on ground at observation time (Inches)	Weather Calendar (Entry for all types observed each day): Fog	Ice Pellets	Glaze	Thunder	Hail	Snowfall Blowing	Time of Obsn. if different from 7a.m.	Important weather conditions not included in "Weather" block, remarks, etc.
1	86	67	72		0										
2	87	63	67		.47										
3	88	66	78		0										
4	86	68	73		0										
5	86	62	74		0										
6	87	68	74		0										
7	26	69	75		0										
8	88	68	73		2.32										
9	88	68	72		0										
10	88	72	76		0										
11	89	74	81		0										
12	83	73	75		.66										
13	87	70	75		0										
14	89	70	76		0										
15	89	70	77		0										
16	90	71	80		0										
17	90	73	78		.14										
18	88	68	74		.06										
19	87	68	84		.13									10AM	
20	89	71	77		.01										
21	87	69	77		.79										
22	84	71	78		0										
23	89	72	74		0										
24	89	66	70		0										
25	91	64	79		0										
26	91	65	69		0										
27	88	67	73		0										
28	90	69	79		0										
29	89	70	75		2.00										
30	92	65	73		0										
31															
Sum	2651	2057			6.69	( )	X								
Ave.	88.4	68.6													
Extr.	92	62			2.38										

Observer Bay County Water System

Post Office Rt 4, Box 262

CAUSES ☐ when additional sheet is used for remarks

List forms or supplies needed ____

Station ____ Month ____ 19__

08-6842

PLEASE! Be sure the station name is on this f[illegible] An unidentified record is easily lost.

W. S. FORM E-1a — U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE

Station Pc, USA City, FLVE. — RECORD OF CLIMATOLOGICAL OBSERVATIONS

County ESCAMBIA — Time of observation (local time) if once daily 7:00 A.M. — Month August 19 43

Punched — State Florida — If at different times, temperature ____, precipitation ____ — Standard time in use Central Daylight

Date	Temperature °F: 24 hrs. ending at observation: Max.	Min.	At obsn.	Precipitation: Show a straight line (—) through hours precipitation was observed, and a curved line (~) through hours precip. probably occurred unobserved. (A.M. / NOON / P.M.)	24-hr amounts: Rain, Melted snow, etc. (Ins. & Hundredths)	Snow, Ice Pellets, Hail (Ins. & Tenths)	At obsn. (Depth of snow, sleet or ice on ground)	Weather Calendar (mark X for all types occurring each day): Fog	Ice Pellets	Glaze	Thunder	Hail	Sandstorm, Dust	Time of obsn. (Number of gallons from this date)	Important weather conditions not included in "Weather" block; remarks, etc.
1	92	74	75		0										
2	90	72	75		.46										
3	87	72	75		1.9										
4	87	73	74		.18										
5	89	72	75		0										
6	90	72	75		0										
7	90	71	72		0										
8	91	70	73		.73										
9	90	71	74		.11										
10	91	72	79		.08										
11	91	72	74		0										
12	90	73	79		.01										
13	89	70	73		.24										
14	90	72	75		0										
15	89	72	74		.19										
16	Missed														
17	90	71	74		.40										
18	91	70	75		0										
19	93	71	76		0										
20	91	70	72		0										
21	92	68	73		0										
22	94	66	69		0										
23	85	65	68		0										
24	82	65	70		0										
25	90	66	70		0										
26	91	69	72		0										
27	90	69	73		0										
28	92	68	69		1.00										
29	92	68	72		.02										
30	92	70	72		.25										
31	90	71	72		.26										
Sum	2707	2105			4.67	0	X								
Ave	90.2	70.2													
Extreme	94	65			1.00										

Observer Bay County Water System — Post Office JR 4, Box 262 Pc

Check ☐ when additional sheet is used for remarks

Send forms or supplies needed ____

Station ____ Month ____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842 1

W.S. FORM F — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 6-71)

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Station PANAMA CITY SAFB
County Bay
State Florida
Time of observation (local time) if once daily 0700
If at different times, temperature ____, precipitation ____
Month October 19 73
Standard time in use CDT

Day	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a curved line (⌒) through hours precip. probably occurred unobserved. (A.M. / NOON / P.M. / MIDNIGHT)	24-hr. amounts: Rain, Melted snow, etc. (Hundredths)	Snow, Ice Pellets, Hail (Tenths)	At obsn.	Weather Calendar Day: Mark 'X' for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Snow Drifting	Time of Obsn. if different from the above	Important weather conditions not included in "Weather" block, remarks, etc.
1	87	70	70		-0-										
2	82	68	69		-0-										
3	89	67	69		-0-										
4	89	67	73		-0-										
5	90	65	66		-0-										
6	90	65	66		-0-										
7	91	65	69		-0-										
8	89	66	68		-0-										
9	87	70	68		.01										
10	88	66	68		-0-										
11	87	66	65		-0-										
12	86	65	65		-0-										
13	86	65	65		-0-										
14	86	61	64		-0-										
15	88	63	68		-0-										
16	87	63	70		0 T										
17	86	63	70		01										
18	84	48	52		-0-										
19	79	46	51		-0-										
20	83	48	55		-0-										
21	83	54	58		-0-										
22	84	56	67		-0-										
23	86	60	60		-0-										
24	82	49	51		-0-										
25	81	48	48		-0-										
26	81	46	48		-0-										
27	84	47	56		-0-										
28	84	53	59		18										
29	78	44	48		12										
30	64	35	46		-0-										
31	69	42	57		-0-										
Total	2610	1791	1908		.19	U	X								
Avg.	84	57	61												
Extreme	91	35	73		.12										

Observer ____
Post Office ____

Check ☐ when additional sheet is used for remarks
List forms or supplies needed ____

08-6842-1

Station ____ Month ____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

W.S. FORM ? U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Station PANAMA CITY SNE RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay Time of observation (local time) if once daily 0700 CST Month November 19 73.

State Florida If at different times, temperature ____, precipitation ____ Standard time in use CST

Date	Temperature °F: 24 hr. ending at observation Max.	Min.	At obsn. ST	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a curved line (~) through hours precip. 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.	24-hr. amounts: Rain, Melted snow, etc. (Dec. & hund'ths)	Snow, Ice Pellets, Hail (Dec. & tenths)	As obsvd. (T for Trace, and for use with Record)	Weather Calendar Day: Mark X for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Snow, Ice Pellets, Rain	Duration of Snow, Ice Pellets, Rain from this storm	Important weather conditions not included in "Weather" block; remarks, etc.
1	76	48	54		0.79												
2	75	44	54		-0-												
3	80	53	63		-0-												
4	81	62	65		-0-												
5	83	64	69		0.42												
6	77	49	51		0.20												
7	72	49	56		-0-												
8	79	~~49~~	70	S66	-0-												
9	80	64	72		-0-												
10	75	44	45		-0-												
11	62	35	41		-0-												
12	65	36	46		-0-												
13	74	45	53		-0-												
14	75	50	71		-0-												
15	79	48	64		-0-												
16	79	47	66		0.03												
17	78	42	45		-0-												
18	73	45	53		-0-												
19	77	51	59		-0-												
20	75	58	69		-0-												
21	80	69	73		-0-												
22	76	59	65		1.18												
23	73	64	65		.02												
24	75	64	70		-0-												
25	78	68	69		.07												
26	82	68	73		.04												
27	81	69	73		0.78												
28	79	61	62		.051												
29	70	38	39		-0-												
30	61	33	39		-0-												
31																	
Sum	2270	1596	1794		4.01	O	X										
Av	75.7	53.2	59.8														
Ex	83	33	39		1.18												

Observer ____ Post Office ____ Record

Check ☐ when additional sheet is used for remarks

List forms or supplies needed 08-6842-1

Station ____ Month ____ 19 ____

Punched 1/5/03

PLEASE! Be sure the station name is on this fo[rm] An unidentified record is easily lost. ~~08-6845-1~~

W.S. FOF 9 U.S. DEPARTMENT OF COMMERCE—NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION—NATIONAL WEATHER SERVICE (REV. 8-71)

Station PANAMA CITY/SNE RECORD OF CLIMATOLOGICAL OBSERVATIONS JA

County Bay Time of observation (local time) if once daily 8:00 A.M. Month February 19 74

State Fla If at different times, temperature ____, precipitation ____ Standard time in use CDT

Date	Temperature °F 24 hrs. ending at observation Max.	Min.	At obsn. 6P	Precipitation (Draw a straight line (—) through hours precipitation was observed, and a waved line (~) through hours precip. probably occurred unobserved. A.M. / NOON / P.M.)	24-hr amounts Rain, Melted snow, etc. (Hrs. & Incl.)	Snow, Ice Pellets, Hail (Hrs. & Incl.)	Weather Calendar Day(s) Mark 'X' for all types occurring each day: Fog, Ice Pellets, Other, Thunder, Hail, Damaging Wind	Total hours of different from any other	Important weather conditions not included in 'Weather' block; remarks, etc.
1	77	57	65						
2	75	65	66						
3	76	69	71	6 6	.09				
4	74	40	41		.11				
5	60	35	36						
6	63	45	49	3 4					
7	72	69	70	4 6	.02				
8	75	35	51	4 3	.51				
9	52	30	33						
10	50	28	30						
11	57	29	36						
12	64	32	32						
13	65	32	45						
14	71	44	60						
15	75	58	63						
16	74	62	63		.58				
17	71	44	45						
18	63	32	39						
19	69	38	69						
20	70	40	43		.03				
21	70	42	55						
22	74	55	60		.66			X X	
23	61	38	39						
24	60	31	45						
25	68	33	35						
26	50	26	28						
27	51	24	25						
28	61	22	34	2 5					
29									
30									
31									
Sum	1838	1173			2.40	0	X		
Avg	65.6	41.9			.66				
Ex-tm	77	24							

Observer ____ Post Office ____

Check ☐ when additional sheet is used for remarks

List forms or supplies needed ____

Station ____ Month ____ 19 ____

Attached 89431

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

W.B. FORM 1-10 — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — (REV. 9-71)

Station: Panama City SNE

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County: Bay

Time of observation (local time) if once daily: 7:00 A.M.

Month: March 19 71

State: Florida

If at different times, temperature _____, precipitation _____

Standard time in use: C.S.T.

Punched 5071B

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obs. 7A	Precipitation: Draw a straight line through hours precipitation was observed, and a wavy line through hours precip. probably occurred unobserved. (A.M. / NOON / P.M. / MIDNIGHT)	24-hr. amounts: Rain, Melt & Snow, etc. (Dec. & Incl.)	Snow, Ice Pellets, Hail (Dec. & Incl.)	At obs. (Trace = T; leave blank if none)	Weather (Calendar Day): Mark "X" for all types occurring each day — Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Fire or Smoke, or dust storm that obscured more than one mile	Important weather conditions not included in "Weather" block; remarks, etc.
1	68	33	45		0			X							Error Suspected in low reading
2	70	42	47		0			X							
3	54	46	50		0			X							Error Suspected in high reading
4	74	51	52		0			X							
5	76	54	58		0			X							
6	79	62	63		0			X							
7	79	52	52		0			X							
8	81	51	56		0										
9	81	55	63		0			X							
10	87	57	58		0			X							
11	81	58	61		0			X							
12	83	61	64		0										
13	80	53	53		0										
14	72	46	47		0										
15	72	47	52		0										
16	74	52	61		.11										
17	76	46	47		0										
18	66	41	42		0										
19	72	42	65		0										
20	76	64	69		0										
21	80	68	72		0										
22	78	47	64		.49										4P
23	66	51	54		.22										
24	75	49	50		.02										
25	80	46	47		.93										
26	56	52	52	AT	1.65										
27	58	53	54		.02										
28	73	53	65		.22										
29	77	64	71		TR.										
30	78	63	65		0										
31	78	53	54		0										
Sum	2297	1606			Sum 3.66	0	X	Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind		Check ☐ when additional sheet is used for remarks
Avg	74.1	51.8													List forms or supplies needed _____
Extreme	87	23			Greatest 1.65										Station _____ Month _____ 19 _____

Observer: Bay County Water System

Post Office: 3400 Transmitter Road

Note: New Address

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

W.B. FORM 1-10 — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — (REV. 8-71)

Station Panama City SNE ✓ — RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay — Time of observation (local time) if once daily 1:00 P.M. ✓ — Month April ✓ — 19 74

State Florida — If at different times, temperature ____ precipitation ____ — Standard time in use EDT

Punched 1/1690

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation: Draw a straight line through hours precipitation was observed, and a curved line through hours precip. probably occurred unobserved. (A.M. / P.M.)	24-hr. amounts: Rain, Melted snow, etc. (Inches & hundredths)	Snow, Ice Pellets, Hail (Inches & tenths)	At obsn. (Trace, or a dash, or zero, as needed)	Weather (Calendar Day): Mark "X" for all types occurring each day — Fog	Ice Pellets	Glaze	Thunder	Hail	Dangerous Wind	Time of obsn. or although from the day before	Important weather conditions not included in "Weather" block; remarks, etc.
1	80	64	70		0										
2	82	71	73		0										
3	75	72	73		.97										
4	83	55	74		0										
5	81	55	56		.25										
6	69	39	41		0										
7	69	38	41		0										
8	71	48	69		0										
9	75	46	47		.75										
10	69	36	37		0										
11	75	38	54		0										
12	72	54	69		0										
13	78	66	69		0										
14	78	68	71		0										
15	81	71	72		0										
16	77	58	59		0										
17	70	48	55		0										
18	78	43	47		0										
19	76	43	53		0										
20	81	48	52		0										
21	84	51	59		0										
22	81	67	69		0										
23	79	63	65		.14										
24	81	60	61		0										
25	80	51	52		0										
26	79	45	56		0										
27	77	47	50		0										
28	81	50	56		0										
29	82	55	56		0										
30	81	58	59												
31															
Sum	2330	1618			2.11	0	X								
Avg	77.7	54.0													
Ex.	84	36			.97										

Observer Bay County Water Plant

Post Office 3400 Transmitter Rd

Check ☐ when additional sheet is used for remarks

List forms or supplies needed

Station ____ Month ____ 19 ____

08-6842-1 ✓

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

W.B. Form F-10 — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — (REV. 8-71)

RECORD OF CLIMATOLOGICA OBSERVATIONS

State: Panama City 5NE
County: BAY
State: Florida

Time of observation (local time) if once daily: 7 P.M.
If at different times, temperature _____ precipitation _____
Month: MAY 19 74
Standard time in use: C.D.T.

Punched 50713

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn. 5 9	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~~~) through hours precip. probably occurred unobserved. A.M. / P.M.	24-hr. amounts: Rain, Melted snow, etc. (Incl. 8 hundredths)	Snow, Ice Pellets, Hail (Incl. 8 tenths)	At obsn. (Loose, not in gauge or on ground)	Weather Calendar (Mark 'X' for all types occurring each day): Fog	Ice Pellets	Glaze	Thunder	Hail	Snow or Rain and Snow Mixed	Time of Obsn. if not based on day above	Important weather conditions not included in "Weather" block; remarks, etc.
1	80	55	56		0										
2	83	51	67		0										
3	80	65	70		0										
4	84	65	70		0										
5	84	66	72		0										
6	81	64	65		0										
7	79	53	58		0										
8	84	53	57		0										
9	84	53	60		0										
10	84	60	63		0										
11	85	63	70		0										
12	77	69	72		.96										
13	90	59	64		0										
14	88	54	60		0										
15	83	59	69		0										
16	85	68	75		0										
17	87	68	71		.91										
18	88	65	69		.17										
19	85	67	69		0										
20	90	70	71		0										
21	90	70	71		0										
22	89	~~73~~ 74	73	M	0										
23	80	~~74~~ 75	78	M	.09										
24	85	68	73		0										
25	86	66	71		0										
26	90	69	71		0										
27	82	64	65		.17										
28	84	65	66		0										
29	86	~~76~~ 75	71	M	0										
30	86	~~75~~ 74	78	M	0										
31	87	74	80		0										
Tot.	2626	1995			2.30	0	X								
Avg.	84.7	64.4													
Extreme	90	51			.96										

Observer: Bay County Water System
Post Office: 3400 Transmitter Road

Check ☐ when additional sheet is used for remarks
List forms or supplies needed: _____
Station _____ Month _____ 19 _____

08-6842-1

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

W.B. FORM F- PANAMA CITY, NE

DEPARTMENT OF COMMERCE—NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION—NATIONAL WEATHER SERVICE (REV. 6-71)

Station BAY CO. WATER PLANT

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County BAY — Time of observation (local time) if once daily 08 0700 — Month JULY — 19 74

State FLORIDA — If at different times, temperature ____ precipitation ____ — Standard time in use C.D.T.

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn. 6P	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. (12 midnight – 6 AM – 12 noon – 6 PM – 12 midnight)	24-hr amounts: Rain, Melted snow, etc. in hundredths	Snow, Ice Pellets, Hail, etc. melted	At obsn.	Weather Calendar (Mark X for all types occurring each day): Fog	Ice Pellets	Rain	Thunder	Hail	Damaging Wind	If 6 or more types occurred this day	Important weather conditions not included in "Weather" hourly remarks, etc.
1	92	65	69		0										
2	91	69	71		0										
3	92	65	67		0										
4	92	65	70		0										
5	90	69	71		0										
6	88	66	71		.20										
7	90	69	72		0										
8	89	68	71		.03										
9	92	72	77		0										
10	93	72	76		0										
11	94	77	81		0										
12	97	72	74		0										
13	98	73	75		.33										
14	93	72	74		0										
15	92	65	68		0										
16	90	67	69		0										
17	90	69	71		0										
18	91	71	72		0										
19	94	72	73		.15										
20	92	69	73		.55										
21	92	74	76	M	.39										
22	90	75	77		0										
23	93	71	73		.50										
24	87	72	75		.03										
25	90	73	75		.08										
26	90	72	75		.78										
27	85	74	75		1.0(										
28	84	73	75		.55										
29	88	72	73		.16										
30	94	72	74		0										
31	96	69	71		2.04										
Sum	2827	2204	2258		6.79	0	X								
Avg	91.2	71.1													
Ext	98	64			2.04										

Observer BAY COUNTY WATER SYSTEM

Post Office 11 3400 TRANSMITTER RD

Check ☐ when additional sheet is used for remarks

List forms or supplies needed ____

Signed ____ Month 08-6842-

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

Punched 12/20

U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Station Bay County Water Plant (PANAMA CITY SNP)

County Bay

State FLORIDA

Time of observation (local time) if once daily 0700

If at different times, temperature _____, precipitation _____

Month August 19 74

Standard time in use EST

Date	TEMPERATURE °F 24 hrs. ending at observation Max.	Min.	At obsn. 7/1	PRECIPITATION — Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. (12 P.M. / 12 A.M.)	24-hr. amounts Rain, Melted snow, etc. (Hrs. & hundredths)	Snow, Ice Pellets, Hail (Hrs. & tenths)	Water equiv. of snow and ice pellets (Tenths)	WEATHER (CALENDAR DAY) Watch for all types occurring each day: Fog, Ice Pellets, Glaze, Thunder, Hail, Drifting Snow	Time of obsn. if different from that used	Important weather conditions not included in "Weather" (fires, remarks, etc.)
1	93	69	71		0					
2	90	70	71		.06					
3	85	71	73		.42					
4	87	69	74		.64					
5	83	71	72		0					
6	85	67	69		0.03					
7	88	69	72		0.28					
8	84	70	72		1.00					
9	90	70	73		0					
10	92	72	74		0					
11	91	72	71		0					
12	93	72	71		0.16					
13	92	72	74		0.60					
14	87	70	72		0					
15	90	72	74		0.20					
16	82	69	72		0					
17	88	71	75		0.01					
18	91	72	73		0.10					
19	90	70	71		0					
20	91	72	71		0					
21	91	~~76~~ 72	72	T/A	0.70					
22	89	68	69		0.06					
23	85	68	72		0.04					
24	90	70	76		0					
25	92	72	75		0					
26	90	69	72		.03					
27	93	70	72		0.51					
28	92	71	73		0					
29	90	71	74		0					
30	88	71	74		0.73					
31	89	72	74		0					
Σ	2760	2185			5.63	(1)	X			
Avg	89.0	70.6								
Extr	93	67			1.00					

Observer Bay County Water Plant — Sum

Post Office 3700 Transmitter Road — Greatest —

Check ☐ when additional sheet is used for remarks

List forms or supplies needed _____

Station _____ Month _____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-

W.S. FORM F-1 OANAMA City 3 NC

U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Station Bay County Water Plant RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay Time of observation (local time) if once daily 0700 A.M. Month September 19 74

State Florida If at different times, temperature ____ precipitation ____ Standard time in use DST

	TEMPERATURE °F			PRECIPITATION				WEATHER (CALENDAR DAY)								
	24 hrs. ending at observation		At obsn.	Draw a straight line (—) through hours precipitation was observed, and a curved line (⌒) through hours precip. probably occurred unobserved. a.m. / p.m.	24-hr. amounts		At obsn.	Mark "X" for all types occurring each day								Important weather conditions not included in "Weather" (rain, remarks, etc.
	Max.	Min.			Rain, Melted snow, etc. (Hr. & tenths)	Snow, Ice Pellets, Hail (Hr. & tenths)	Snow on ground (Yes or No)	Fog	Ice Pellets	Glaze	Thunder	Hail	Dust, Sand, Smoke, Haze	Time of obsn. if different from the above	
1	90	69	71		0										
2	92	70	71		0										
3	90	70	72		0										
4	87	68	68		0.04										
5	84	68	69		0.02										
6	77	69	72		4.29										
7	75	68	70		0.04										
8	88	69	75		1.27										
9	86	71	74		.48										
10	88	69	70		.14										
11	91	70	71		0										
12	93	71	72		0										
13	93	70	74		0										
14	93	72	75		0										
15	95	73	74		0										
16	93	70	71		.87										
17	91	72	72		0										
18	91	70	71		0										
19	91	71	72		0										
20	90	70	73		.11										
21	90	72	74		0										
22	90	72	74		.64										
23	89	65	66		0										
24	82	63	63		0										
25	82	63	63		0										
26	83	63	72		0										
27	76	71	74		.08										
28	88	74	80		.06										
29	88	74	78		.09										
30	89	57	59		0										
31															
Sum	2296	2094													
Av.	74.5	69													
Extr.	95	74													

Observer Bay County Water Plant — Sum 8.12 — 1 — X

Post Office 3400 Transmitter Rd. — Greatest 4.28

Check ☐ when additional sheet is used for remarks

List forms or supplies needed ____

Station ____ Month ____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-

W.S. FORM 10 — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 9-71)

Station 08-6842-1

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay Panama City

Time of observation (local time) if once daily 0700

Month January 19 75

State Florida

If at different times, temperature ____, precipitation ____

Standard time in use CST

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsv. 61	Precipitation: Show a small w was first through hours precipitation was observed, and a second line first through hours snow probably delivered undetected.	24-hr. amounts: Rain, Melted snow, etc. (Incl. H and Hail)	Snow, Ice Pellets, Hail (Incl. Hail)	Hr. after midnight (Local time for 24-hr. amounts ending between midnight and 0800)	Weather (Calendar Day): Mark "X" for all types occurring each day — Fog	Ice Pellets	Snow	Thunder	Hail	Smoking Wind	Time of Obsn. if different from time above	Important weather conditions not included in "Weather" block, remarks, etc.
1	78	55	56		0.10										
2	77	44	45		–										
3	62	42	49		–										
4	70	48	55		0.53										
5	57	33	34		0.06										
6	62	44	45	S4	–										
7	66	39	40		–										
8	71	62	62	70	4.85										
9	72	38	65	M	4.85										
10	77	47	66	M	–										
11	74	56	57		.69										
12	72	56	70		.26										
13	72	34	34		1.62										
14	46	28	29		–										
15	52	28	39		–										
16	60	31	39		–										
17	69	34	44		–										
18	69	43	45		.03										
19	65	45	56		.01										
20	66	48	49		1.34										
21	51	27	28		–										
22	56	44	45	D8	.03										
23	53	45	53		1.34										
24	61	53	61		0.07										
25	69	60	69		0.03										
26	69	51	52		.23										
27	72	56	57	S2	–										
28	74	46	47		–										
29	78	56	57	H	–										
30	77	59	60		–										
31	73	51	52		–										
—	2010	1403	1554	Observer Bay County Water Plant	11.19		D	X							
Mo. Avg.	64.7	45.2	50.1	Post Office 3400 Transmitter Rd.	Greatest amt. 4.85										
Extreme	78	27													

Check ☐ when additional sheet is used for remarks

Last forms or supplies received

Station 08-6842-1 / Month January 75

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

W.S. FORM [illegible] U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 9-71)

Station 08-6842-1 (BCWP) RECORD OF CLIMATOLOGICAL OBSERVATIONS Month February 19 75

County Bay Time of observation (local time) if once daily 0700 Standard time in use CDST

State FL If at different times, temperature ____ precipitation ____

Punched 43979

Date	TEMPERATURE °F 24 hrs. ending at observation Max.	Min.	At obsn. 52	PRECIPITATION Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours rain or probably occurred unobserved. A.M.	P.M.	24-hr. amounts Rain, melted snow, etc. (Incl. to hundredths)	Snow, Ice Pellets, Hail (Incl. to tenths)	Hr. precip. began (Enter zero if began before 0700)	WEATHER (CALENDAR DAY) Mark 'X' for all types occurring each day: Fog, Ice Pellets, Glaze, Thunder, Hail, Blowing Snow	Time of Obsn. if different from this entry	Important weather conditions not included in "Weather" block; remarks, etc.
1	78	52	60			—					
2	77	57	58			—					
3	76	65	67	58		—					
4	77	54	55			—					
5	62	54	58			.35					
6	72	55	56			0					
7	66	35	36			.03					
8	50	27	28			—					
9	55	25	45			—					
10	63	45	51			.10					
11	68	42	47			—					
12	74	64	66	47		2.00					
13	77	44	49			.06					
14	68	37	40			—					
15	70	39	45			—					
16	74	44	64			—					
17	76	63	72			—					
18	74	64	71			.43					
19	78	64	70			—					
20	74	51	53			.13					
21	65	50	52			—					
22	65	58	61	59		.31					
23	74	70	70	61		.02					
24	76	47	48			.49					
25	55	41	43			.10					
26	60	37	38			—					
27	72	41	42	38		—					
28	70	45	46	42		—					
29											
30											
31											
—	948	1377	1487			4.02	0	X			
AV.	70	49	49								
TOT.	78	27	61			2.0					

Observer Bay County Water Plant Post office Panama City 3400 Transmitted Boat

Check ☐ when additional sheet is used for remarks

List forms or supplies needed

Station BCWP Month Feb 19 75

08-6842-1

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

W.S. FOR PANAMA CITY S/AL

U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 9-71)

Station B. County

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay

Time of observation (local time) if once daily 0700 ; Month March 19 75

State Fla.

If at different times, temperature ____ precipitation ____ Standard time in use CDST

Date	TEMPERATURE °F 24 hrs. ending at observation Max.	Min.	At obsn.	PRECIPITATION — Draw a straight line (—) through hours prec. station was observed, and a wavy line (~) through hours precip. probably occurred unobserved. (12 MID. / 6 AM / 12 NOON / 6 PM)	24-hr amounts Rain, Melted snow, etc.	Snow, Ice Pellets, Hail	Ice on Ground	WEATHER (CALENDAR DAY) Mark 'X' for all types occurring each day: Fog, Ice Pellets, Glaze, Thunder, Hail, Drifting Snow	Time of Observation different from the usual	Important weather conditions not included in "Weather" blank; remarks, etc.
1	71	45	47		—					
2	69	48	48		—					
3	59	37	37		—					
4	50	41	42		—					
5	42	37	38		1.05					
6	58	42	44		—					
7	70	48	50		—					
8	74	47	47		.19					
9	65	37	38		—					
10	61	36	45		—					
11	75	44	67		—					
12	80	64	67		—					
13	79	67	71		—					
14	78	49	49		.27					
15	60	37	37		—					
16	70	55	54		.98					
17	72	53	54		1.35					
18	69	54	61		.10					
19	65	55	57		1.89					
20	71	43	43		—					
21	73	43	46		—					
22	74	64	68		—					
23	77	68	69		—					
24	80	69	73		—					
25	78	52	53		—					
26	78	49	50		—					
27	76	55	54		—					
28	78	61	62		—					
29	80	62	69		—					
30	79	71	72		—					
31	74	49	49		—					
Total	2195	1598	1661		5.78	0	X			
Mean	70	51	54							
Extreme	80	36	73 37		1.99					

Observer Bay County Water Plant

Post Office 3400 Transmitter Road Panama City, Fl. 32401

Sheet ☐ when additional sheet is used for remarks

List forms or supplies needed

Station 08-6842-1

Form March 19 75

08-6842-1

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

W.S.F. 10 — U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Station BGWP Panama City
County Bay
State Fla
Time of observation (local time) if once daily 0700
If at different times, temperature ____ precipitation ____
Month April 19 75
Standard time in use CST

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation: Draw a straight line through hours precipitation was observed, and a waved line through hours precip. probably occurred unobserved. (12 M. / 6 A.M. / 6 P.M.) 24-hr amounts: Rain, Melted snow, etc. (Incl. 8 hundredths)	Snow, Ice Pellets, Hail (Incl. 8 tenths)	Weather Calendar: Mark X for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Important weather conditions not included in "Weather" block, remarks, etc.
1	62	49	53	.43										
2	79	54	55	.04										
3														
4	62	34	40	0										
5	68	39	43	0										
6	75	42	48	0										
7	70	40	42	0										
8	75	51	55	0										
9	77	61	62	.22										
10	79	69	71	.07										
11	77	63	64	2.35										
12	72	50	51	0										
13	70	45	50	0										
14	70	50	65	.09										
15	75	54	57	1.92										
16	73	47	50	0										
17	77	48	50	0										
18	78	50	60	0										
19	79	69	71	0										
20	80	53	54	.20										
21	65	59	61	.46										
22	71	53	54	.20										
23	84	59	62	.22										
24	80	58	65	0										
25	79	59	63	0										
26	80	62	69	0										
27	84	66	64	0										
28	85	66	68	0										
29	80	73	74	0										
30	81	72	73	0										
31														
Total	2187	1593		6.20	0	X								
Average	75	34												
Highest	85	55		2.35										

Observer Bay County Water Plant
Post Office 3400 Transmitte Rd. Panama City, Fla 32401

CHECK ☐ when additional sheet is used for remarks

List forms or supplies needed ____

Station ____ (Month) ____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

PANAMA CITY SNE

W. S. FORM — U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — (REV. 9-71)

Station 08-6842-1

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay

Time of observation (local time) if once daily 0700 AM — Month June — 19 75

State Florida

If at different times, temperature ____, precipitation ____ — Standard time in use CST

Date	Temperature °F: 24 hrs. ending at observation: Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) to show hours precipitation was observed, and a waved line (~) through hours precip. probably occurred unobserved. (A.M. / NOON / P.M.)	24-hr. amounts: Rain, Melted snow, etc. (Hundredths)	Snow, Ice Pellets, Hail (Tenths)	At obsn. (Inches on ground from day before)	Weather Calendar Day: Mark X for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of Obsn. if different from day above	Important weather conditions not included in "Weather" block, remarks, etc.
1	86	70	70		0.20										
2	85	70	77		0										
3	86	65	70		0										
4	91	65	71		0										
5	92	66	73		0										
6	90	72	77		.01										
7	90	71	72		0.48										
8	85	70	75		0										
9	83	72	78		.03										
10	88	72	79		0										
11	90	75	78		.01										
12	90	72	77		0										
13	90	71	77		0										
14	91	71	75		0										
15	90	73	74		0										
16	77	67	74		.99										
17	90	69	75		0										
18	90	71	74		0										
19	92	72	74		0										
20	95	70	72		0										
21	95	69	76		0										
22	92	71	72		0.21										
23	91	69	71		0.14										
24	90	71	73		.06										
25	89	66	70		0.11										
26	90	68	71		0										
27	91	67	70		1.84										
28	88	67	72		.01										
29	89	67	73		0										
30	90	70	74		.64										
31															
	2676	2099			7.99										
	89.2	69.6													
	95	65			1.84										

Observer Billy Cox — See Phone

Post Office 3400 Transmitter Rd

Check ☐ when additional sheet is used for remarks

List forms or numbers needed W.S. FORM F-10

Station 08-6842-1 — Month June — 19 75

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

W. S. FORM ... U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Station BCWP — RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay — Time of observation (local time) if once daily 0700 ET — Month Aug — 19 75

State FLORIDA — If at different times, temperature ... precipitation ... — Standard time in use CDST

Punched AS403

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	60 obsn. T+	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. (A.M. / P.M.)	24-hr. amounts: Rain, Melted snow, etc. (hundredths)	Snow, Ice Pellets, Hail (tenths)	Weather (Reference Data): Mark "1" for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Unusually Strong Wind	Tower or Sfc. Obsns. of different time this entry	Important weather conditions not included in "Weather" block; remarks, etc.
1	79	71	72		0.87									August, 1975
2	87	69	72		0									
3	89	70	73		1.68									
4	86	72	74		0.69									
5	85	73	75		0.30									
6	83	70	77		1.00									
7	85	73	74		0.07									
8	83	70	75		0.02									
9	88	71	73		0									
10	90	74	76		0.72									
11	82	71	72		0.09									
12	91	73	74		0									
13	90	72	73		0.27									
14	93	72	73		1.09									
15	91	71	75		0.40									
16	92	72	74		0.03									
17	91	75	75		0									
18	91	72	81		0									
19	92	75	76		0									
20	92	74	75		0									
21	93	70	71		0									
22	89	70	74		0.28									
23	88	71	73		0.79									
24	92	68	74		0.63									
25	89	73	75		0									
26	94	69	70		0.92									
27	93	70	72		0									
28	96	72	74		0									
29	92	70	74		0.87									
30	90	71	72		0.26									
31	89	70	72		0.33									
Tot.	2765	2212	2288		11.31	J	X							
Av.	89.2	71.4	73.8											
Ex.	96	68	70		1.68									

Observer Bay County Water Plant — Post Office 3400 Transmitter Rd.

Check ☐ when additional sheet is used for remarks G

List forms or supplies needed Envelopes to Asheville

Station 08-6842-1 — Month August — 19 75

08-6842-1

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

W.B. FORM 1-10 — DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE

Station 6 -6842-1

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay

Time of observation (local time) if once daily 0700 L.T. Month September 19 75

State Florida

If at different times, temperature _____ precipitation _____ Standard time in use EST

Date	Temperature °F: 24 hr. ending at observation Max.	Min.	7 A.M.	Precipitation: Draw a straight line through hours precipitation was observed, and a zigzag line through hours precip. probably occurred undetected (7 P.M. / 7 A.M.)	24 hr. amounts: Rain, melted snow, etc. (Dec. & from 6 hr.)	Snow, Ice Pellets, Hail (Dec. & from 6 hr.)	At obs. time: Depth on ground (Inches)	Weather Calendar (Mark X for all types occurring each day): Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Tornado or funnel cloud within sight of station or observer	Important weather conditions not included in "weather" block; remarks, etc.
1	89	71	75		0										
2	93	71	72		0										
3	93	71	72		0										
4	92	72	73		0										
5	91	70	88		.25										
6	92	72	75		T										
7	86	70	72		.50										
8	87	73	74		0										
9	93	72	72		.98										
10	89	71	71		.14										
11	89	70	71		.68										
12	89	71	74		0										
13	87	71	72		1.19										
14	83	69	70		0										
15	80	64	69		0										
16	86	65	66		0										
17	80	70	71	6 6	.60										
18	88	71	72		3.32										
19	85	65	67		0										
20	88	66	73		0										
21	88	72	74		.09										
22	82	72	73		.05										
23	84	73	74		.66										Hurricane Eloise
24	75	57	57		0										
25	74	54	55		0										
26	72	51	53		0										
27	70	48	49		0										
28	76	49	55		0										
29	84	55	70		0										
30	85	68	69		0										
31															
—	2549	1994													
Av.	84.9	64.3													
Tot.	93	1348													

Observer Bay County Water — Post Office 3460 Transmitter Rd.

Total 8.46 — Greatest 3.32 — 0 — X

Check ☐ when additional sheet is used for remarks

List forms or supplies needed Envelopes to Asheville NC

Station 08-6842-1 Month Sept. Yr. 75

08-6842-1

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

W. S. FORM F-1 U. S. DEPARTMENT OF COMMERCE—NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION—NATIONAL WEATHER SERVICE (REV. 8-71)

Station 08-6842-1

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay Panama City

Time of observation (local time) if once daily 0700 CST Month October 19 75

State Florida

If at different times, temperature ____ precipitation ____ Standard time in use CST

Date	Temperature °F: 24-hr. ending at observation: Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a zigzag line (~) through hours precip. probably occurred undetected. 12 M. 2 4 6 8 10 12 P.M.	24-hr. amounts: Rain, melted snow, etc. (Incl. 8 hundredths)	Snow, Ice Pellets, Hail (Incl. 8 tenths)	At obsn. (Incl. trace, as in Rain, Snow, etc., but not to be entered here)	Weather (Calendar day): Mark X for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Tornado, Funnel Cloud, Waterspout	Time of obsn. if different from the entry	Important weather conditions not included in "Weather" block; remarks, etc.
1	84	68	69		0										
2	76	68	69		1.78										
3	80	57	59		.03										
4	80	65	66	5.9	0										
5	69	62	63		.04										
6	70	70	70	6.3	.60										
7	74	71	72	7.8	.86										
8	74	69	69		1.29										
9	83	65	66		T										
10	87	64	67		0										
11	87	62	64		T										
12	86	60	61		0										
13	88	61	62		0										
14	88	65	66	6.7	0										
15	86	68	69		0										
16	86	69	69		0										
17	82	66	75		1.76										
18	75	55	51		04 -										
19	75	50	51		0 ~~.04~~										
20	72	43	44		0										
21	74	43	45		0										
22	77	44	48		0										
23	81	58	59	4.2	0										
24	83	54	55		0										
25	83	54	60		0										
26	85	57	64		0										
27	84	63	60	6.0	0										
28	83	60	65		0										
29	84	62	63		0										
30	82	58	63		0										
31	77	54	56												
Sum	2495	1864			6.40		X								
Mean	80.5	60.1													
Extr.	88	43			1.78										

Observer Bay County Water Plant

Post Office 3400 Transmitter Rd.

Check ☐ when additional sheet is used for remarks

Unit forms or supplies needed

Station 08-6842-1 Month October 19 75

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

W.S. FORM I — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — REV. 9-71

Station 08-6842-1

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay Panama City

Time of observation (local time) if once daily 0700 Month December 19 75

State Florida

If at different times, temperature ____ precipitation ____ Standard time in use CST

Day	Temperature °F: 24-hr. ending at observation — Max.	Min.	At observation (7)	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a zigzag line (~) through hours precipitation probably occurred unobserved (A.M. / P.M.)	24-hr. amounts: Rain, melted snow, etc. (Hundredths)	Snow, Ice Pellets, Hail (Tenths)	Weather (Calendar Day): Mark X for all types occurring each day — Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of Obs. if different from the day above	Important weather conditions not included in "Weather" block, remarks, etc.
1	75	50	51		.04									
2	53	32	33		.06									
3	62	33	34		0									
4	71	37	38	3-4	0									
5	70	36	50		0									
6	76	49	55		0									
7	77	56	57	5-5	0									
8	76	56	57		.08									
9	62	50	50		.02									
10	59	35	40		0									
11	56	28	32		0									
12	66	32	40		0									
13	71	39	54		0									
14	78	53	59		0									
15	78	52	59		0									
16	75	54	55		0									
17	78	50	63		0									
18	71	30	35		.60									
19	47	22	23		0									
20	46	31	35	2-3	0									
21	50	27	35		0									
22	50	24	35		0									
23	49	29	36		0									
24	37	27	29		0									
25	63	30	60	2-9	T									
26	68	43	45		.87									
27	49	41	42		0									
28	56	37	37		0									
29	65	48	48	3-7	0									
30	65	64	65	2-8	1.67									
31	68	57	68		.69									
Σ	1994	1244			4.03	0	X							
Av.	64.3	40.8												
Norm.	78	22			1.67									

Observation Bay County Water Plant

Post Office 3700 Transmitter Rd. Panama City, Fl

Check ☐ when additional sheet is used for remarks

List forms or supplies needed

Station 08-6842-1 Month December 75

08-6842-1

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

W.S. FORM 10 [illegible] City SNE

DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC [illegible]ISTRATION — NATIONAL WEATHER SERVICE (REV. 9-71)

Station 08-6842-1

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay Panama City

Time of observation (local time) if once daily 0700; if at different times, temperature _____, precipitation _____

Month February 19 76

State Florida

Standard time in use CST

Day	Temperature °F: 24 hrs. ending at observation — Max.	Min.	At obs.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a curved line (⌒) through hours precip. probably occurred unobserved. (A.M. / P.M.)	24-hr. amounts: Rain, Melted snow, etc. (Hundredths)	Snow, Ice Pellets, Hail (Tenths)	At other times (Inapplicable for 0700 observation)	Weather Calendar Day: Fog	Ice Pellets	Glaze	Thunder	Hail	Drifting Snow	Time of observation (Local time)	Important weather conditions not included in "Weather" block; remarks, etc.
1	68	58	59	9 P	.45										
2	64	39	39		T										
3	61	54	50	39	0										
4	70	49	50		0										
5	71	44	45		0										
6	72	58	60	45	0										
7	72	39	39		0										
8	50	24	25		0										
9	54	20	32		0										
10	67	32	36		0										
11	67	36	44		0										
12	73	44	52		0										
13	72	50	52		0										
14	71	52	58		0										
15	74	53	54		0										
16	76	54	58		0										
17	74	57	61		0										
18	74	60	63		0										
19	75	61	62		.03			X							
20	76	51	52		.02			X							
21	76	51	60		T			X							
22	75	52	52		.11										
23	59	38	39		.24										
24	63	32	34		0										
25	68	38	40	34	0										
26	73	49	49	40	0										
27	75	32	46		0										
28	79	42	49		0										
29	78	43	44		0			X							
30															
31															
Sum	2030	1317													
Avg	70.0	45.4													
Ext	79	24													

Observer Bay County Water Plant — Rain .85 — 1) — X

Post Office 3100 Transmitter Rd — Snow .45

Fog | Ice Pellets | Glaze | Thunder | Hail | Drifting Snow — Check ☐ when additional sheet is used for remarks

Last forms in supplies received _____

Station _____

08-6842-1 February 76

PLEASE! Be sure the station name is on this form. unidentified record is easily lost.

W.S. FORM F-10 U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Station 08-6842-1 Panama City

County Bay

State Fla.

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily 0700 / Month March 19 76

If at different times, temperature _____ precipitation _____ Standard time in use CST

Day	Temperature °F 24 hrs. ending at obs. Max.	Min.	At obs.	Precipitation — Draw a straight line (—) through hours precipitation was observed, and a curved line (~) through hours precip. probably occurred unobserved. A.M. / P.M.	24-hr amounts Rain, Melted snow, etc. (Ins. & hundredths)	Snow, Ice Pellets, Hail (Ins. & tenths)	At obs. (Inappr. not to be used for sums)	Weather Calendar (Mark "X" for all types occurring each day) Fog	Ice Pellets	Snow	Thunder	Hail	Damaging Wind	Time of Obs. if different from this entry	Important weather conditions not included in "Weather" block, remarks, etc.
1	74	50	51		0										
2	78	63	64		0										
3	71	64	65		0										
4	79	60	61		0										
5	80	44	62		0										
6	79	62	66		0										
7	78	59	60		0										
8	76	49	54		0										
9	74	68	23		1.62										
10	70	50	52		0										
11	64	40	44		0										
12	74	43	60		0										
13	73	59	70		0										
14	74	48	55		.02										
15	64	54	62		0										
16	73	62	68		.13										
17	73	34	39		.48										
18	62	35	43		0										
19	71	39	50		T										
20	72	49	64		T										
21	76	69	70		0										
22	72	60	60		.40										
23	61	46	49		.11										
24	73	44	53		0										
25	75	52	60		0										
26	74	56	62		0										
27	70	56	66		.68										
28	69	64	65		1.55										
29	81	66	66		0										
30	79	69	70		T										
31	80	72	72		0										
Sum	2269	1684			4.99	D	X								
Avg	73.2	54.3													
Ext.	81	34			1.62										

Check ☐ when additional sheet is used for remarks

Bay County Lake Plant — Name of Observer

3420 Transmitter Rd. — Post Office

List forms in supply mailed

Station 08-6842-1 Month March 19 76

PLEASE! Be sure the station name is on this form. ... unidentified record is easily lost.

08-6842-1

W.S. FORM E-1b (Supersedes Form E-1a which may be used) U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Station 08-6842-1 Bay Panama City

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay Time of observation (local time) if once daily 0700 Month April 19 76

State Florida If at different times, temperature ____ precipitation ____ Standard time in use CDST

Date	Temperature °F 24-hr. ending at observation time: Max.	Min.	At observation time	Precipitation — Show a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved.	24-hr. amounts: Rain, Melted snow, etc. (Inc. & hundredths)	Snow, Ice Pellets, Hail (Inc. & tenths)	Snow on ground at observation time (Inches)	Weather Calendar (Mark X for all types occurring each day): Fog	Ice Pellets	Glaze	Thunder	Hail	Dangerous Wind	Type of Gen. at this part. from this entry	Important weather conditions not included in "Weather" (fog), remarks, etc.
1	79	48	50		T										
2	72	44	57		0										
3	79	45	59		0										
4	80	45	60		0										
5	74	51	59		0										
6	80	59	62		0										
7	70	53	61		.38										
8	79	55	65		0										
9	80	53	59		0										
10	78	45	61		0										
11	74	52	67		0										
12	77	50	63		0										
13	82	58	64		0										
14	79	62	63		.02										
15	78	57	61		.01										
16	79	57	69		0										
17	79	53	70		0										
18	81	63	64		0										
19	82	62	63		0										
20	86	70	71	6.3	0										
21	85	63	64		0										
22	80	54	73		0										
24	81	55	69		0										
24	82	56	64		.02										
25	82	73	73	6.4	0										
26	77	60	61		.78										
27	77	50	51		0										
28	79	56	57	5.1	0										
29	84	56	57		0										
30	83	50	68	5.7	0										
31															
—	2378	1658													
Av.	79.3	55.2		Observer Bay County Water Plant	1.21	0	X								
Ex.	86	44		Post Office 3500 Teadsmith Rd.	.78										

CHECK ☐ when supplement sheet is used for remarks

Exact forms or duplicate records Weather Report Form books

Station 08-6842-1 Month April 19 76

PLEASE! Be sure the station name is on this form. unidentified record is easily lost.

08-6842-1

W.S. FORM E-10 PANAMA CITY 5 NE

DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE

Station 08-6842-1

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay Panama City Time of observation (local time) if once daily 0700 A Month May 19 71

State Florida If at different times, temperature ____ precipitation ____ Standard time in use C.D.S.T.

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation: Draw a straight line (red) through hours precipitation was observed, and a curved line (blue) through hours precip. probably occurred unobserved. (A.M. / NOON / P.M.) 24-hr amounts: Rain, Melted snow, etc. (Tens, & Hund.[Omit])	Snow, Ice Pellets, Hail (Tens, & Hund.[Omit])	Ice on ground (1 Snow, Ice Pellets, Hail on ground at Obs. Time)	Weather Calendar (Mark X for all types occurring each day): Fog	Ice Pellets	Snow	Thunder	Hail	Damaging Wind	Time of Obsn. if different from that used	Important weather conditions not included in "Weather" block, remarks, etc.
1	79	63	68	2.30										
2	77	58	60	0										
3	77	52	60	0										
4	81	57	59	0										
5	78	46	57	0										
6	80	55	65	0										
7	82	64	74	.08										
8	80	62	65	.25										
9	78	42	65	0										
10	78	62	65	0										
11	80	63	68	0										
12	77	60	65	.04										
13	83	63	65	0										
14	83	65	71	.07										
15	76	68	72	2.51										
16	80	68	69	.09										
17	81	62	63	.21										
18	83	63	66	0										
19	77	53	55	0										
20	84	48	67	0										
21	81	66	70	1.30										
22	79	69	70	1.75										
23	82	67	68	.50										
24	—	—	—	—										
25	81	64	65	0										
26	82	61	62	.28										
27	84	59	68	0										
28	75	65	67	.74										
29	80	59	65	.04										
30	79	60	70	0										
31	83	63	71	0										
Σ	2400	1831		10.16	0	X								
Mo.	80	61		2.51										
Yr.	84	46												

Observer Bay County Water Plant

Post office 3100 Treadsmithe Rd

Check ☐ when additional sheet of data for remarks

List name of observer above

Station 08-6842-1 Month May 19 71

PLEASE! Be sure the station name is on this form. unidentified record is easily lost.

PANAMA CITY SNC

W. S. FORM F-10 — U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — REV. 8-61

Station Bay County Water Plant — RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay — Panama City — Time of observation (local time) if once daily 0700 EST — Month June — 19 76

State Florida — If at different times, temperature _____ precipitation _____ — Standard time in use EST

Date	Temperature °F: 24-hr. ending at observation Max.	Min.	At obsn. 7	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. 24-hr. amounts: Rain, Melted snow, etc. (Ins. & hundredths)	Snow, Ice Pellets, Hail (Ins. & tenths)	At other times (Ins. & hundredths)	Weather Calendar Date: Mark X for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of Obsn. if different from this entry	Important weather conditions not included in "Weather" block; remarks, etc.
1	95	69	73	-0-										
2	85	66	67	1.42										
3	75	66	71	0.09										
4	83	67	72	0										
5	85	68	70	0										
6	78	66	67	0										
7	80	61	64	0										
8	85	61	70	0										
9	87	62	70	0										
10	88	64	71	0										
11	90	67	69	0										
12	90	67	73	0										
13	91	69	70	0										
14	92	70	71	0										
15	91	68	69	0										
16	89	69	70	0										
17	86	69	70	0										
18	89	65	76	0										
19	89	70	79	0.01										
20	87	69	71	1.91										
21	76	65	66	0.29										
22	86	70	71	0.73										
23														
24	79	71	73	0										
25	86	68	73	0										
26	86	67	71	0										
27	92	69	96	0										
28	93	70	73	0.88										
29	91	70	75	0.02										
30	88	73	75	0										
31														
Sum	2414	1953		5.35	0	X								
Avg.	86	67												
Extr.	93	61		1.91										

Observer _____ Post Office _____

Check ☐ when additional sheet is used for remarks

Unit forms or supplies needed _____

Station _____ Month _____ 19 ____

Punched 8073

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

03-6842-1 1

W.S. FORM F-10 PANAMA CITY 5 NE

Station ~~Natural Bridge~~

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

REV. 9-71

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay Panama City

Time of observation (local time) if once daily 0700 Month July 19 76

State Florida

If at different times, temperature ____ precipitation ____ Standard time in use CAST

Date	Temperature °F: 24 hrs. ending at observation — Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. (A.M. / P.M.) — 24-hr amounts: Rain, Melted snow, etc. (Ins. & hundredths)	Snow, Ice Pellets, Hail (Ins. & tenths)	At other times (Ins. & tenths)	Weather Calendar (Mark ✓ for all types occurring each day): Fog	Ice Pellets	Rain	Thunder	Hail	Snow or Ice on Ground	Depth of Snow on Ground (Ins. & tenths)	Important weather conditions not included in "Weather" items; remarks, etc.
1	84	70	76	0.85										
2	88	70	74	0										
3	88	69	72											
4	89	71	78											
5	88	76	79	-0-										
6	86	70	72	-0-										
7	75	68	70	.32										
8	83	68	73	1.15										
9	88	66	73	T										
10	88	68	73	—										
11	91	70	76	0.85										
12	89	72	76	0.12										
13	89	75	80	-0-										
14	90	77	79	-0-										
15	91	76	78											
16	92	73	78	0										
17	93	75	80	0										
18	91	70	75	0										
19	91	70	71	0										
20	90	72	73	-0-										
21	91	74	75	-0-										
22	93	76	77	-0-										
23	98	69	72	-0-										
24	97	70	75	.15										
25	94	70	74	0.29										
26	91	70	73	0										
27	92	74	76	0										
28	94	73	75	0										
29	93	73	77	0										
30	92	73	75	.09										
31	87	73	75	1.65										
Total	2784	2220		4.47	0	X								
Mean	89	72												
Extreme	98	66		1.15										

County Bay County Health Dept. Time

Post Office Panama City Beach, Panama City, Fla. Hour

CODES ☐ when additional sheet is used for remarks

Entered by ____ Station ____ Month ____ 19__

3240/

PLEASE! Be sure the station name is on this fo. Address Box 6842 Panama City, Fla.

W-3 — U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE

State: [illegible] — RECORD OF CLIMATOLOGICAL OBSERVATIONS

County: [illegible] — Time of observation (local time) if once daily: 8 AM / month: August 19[illegible]

City: [illegible] — If at different times, temperature ____, precipitation ____ — Standard time in use: CDST

Date	Temperature °F: 24-hr. ending at observation: Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a curved line (~) through hours precip. probably occurred unobserved. 24-hr. amounts: Rain, Melted snow, etc. (Hundredths)	Snow, Ice Pellets, Hail (Tenths)	At other times (Hundredths)	Weather Calendar (Mark ✓ for all types occurring each day): Fog	Ice Pellets	Snow	Thunder	Hail	Smoke or Haze	Time of obsn. if different from that of prec. day	Important weather conditions not included in "Weather" (Blizzard, remarks, etc.)
1	91	78	76	0										
2	89	75	77	.30										
3	[illegible]	[illegible]	[illegible]	.03										
4	[illegible]	[illegible]	[illegible]	-0-										
[illegible]	[illegible]	[illegible]	[illegible]	-0-										
[illegible]	[illegible]	[illegible]	[illegible]	T.										
[illegible]	[illegible]	[illegible]	[illegible]	0.38										
8	[illegible]	[illegible]	[illegible]	0.27										
9	[illegible]	[illegible]	[illegible]	1.12										
10	[illegible]	[illegible]	[illegible]	-0-										
11	[illegible]	[illegible]	[illegible]	-0-										
12	[illegible]	[illegible]	[illegible]	-0-										
13	[illegible]	[illegible]	[illegible]	-0-										
14	92	70	74	0.31										
15	[illegible]	[illegible]	[illegible]	.68										
16	[illegible]	[illegible]	[illegible]	.81										
17	[illegible]	[illegible]	[illegible]	.26										
18	[illegible]	[illegible]	[illegible]	.21										
19	76	65	66	-0-										
20	88	[illegible]	[illegible]	-0-										
21	85	68	70	-0-										
22	89	68	71	-0-										
23	91	70	75	-0-										
24	95	73	76	-0-										
25	94	72	74	0.13										
26	[illegible]	[illegible]	[illegible]	-0-										
27	[illegible]	[illegible]	[illegible]	0.27										
28	[illegible]	[illegible]	[illegible]	0.25										
29	[illegible]	[illegible]	[illegible]	0										
30	[illegible]	[illegible]	[illegible]	.40										
31	[illegible]	[illegible]	[illegible]	1.46										
Tot.	[illegible]	[illegible]		7.50										
Avg.	[illegible]	[illegible]												
Dep.	[illegible]	[illegible]		1.46										

Observer: [illegible] — Post Office: [illegible]

Check ☐ when additional sheet is used for remarks

Signature: [illegible] — Date: [illegible] 19[illegible]

Date

BEST AVAILABLE COPY

PLEASE! Be sure the station name is on this form. An unidentified record is useless.

08-6842-1

W.S. FORM F-10 Panama City, FL NL

U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 9-71)

Station Water Plant

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay Panama City

State Florida

Time of observation (local time) if once daily 8:00 A.M. Month September 19 66

If at different times, temperature ____, precipitation ____ Standard time in use CST

Day	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn. 7 P.M.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a curved line (~) through hours precip. probably occurred unobserved. A.M. / P.M.	In the ground: Rain, Melted snow, etc. (No. & hundredths)	Snow, Ice Pellets, Hail (No. & tenths)	At other times (See Instructions for use and limitations)	Weather Calendar Day: Mark (X) for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Snowdrift	Time of Obsn. if different from 7 P.M.	Important weather conditions not included in "Weather" block, remarks, etc.
1	88	70	70		—0—										
2	82	68	71		.41										
3	89	70	74		.02										
4	93	69	71		—0—										
5	90	70	74		.56						X				
6	93	69	71		.13										
7	84	70	73		.49										
8	80	66	71		.05										
9	87	70	71		—0—										
10	99	69	76		0			X							
11	88	69	61		0										
12	87	66	66	64	0										
13	91	69	67	64	0										
14	95	66	67		0										
15	76	58	59		0										
16	86	63	63	59	0										
17	85	60	63		0										
18	89	62	65		0										
19	89	64	66		0										
20	90	65	69		0										
21	89	68	71		0										
22	92	65	65		0										
23	87	62	63		0										
24	88	63	70		.22										
25	83	70	70		.31										
26	86	70	73		.04										
27	86	71	72		.03										
28	97	72	74		.65										
29	97	73	73		0										
30	83	67	67		0										
31															
Total	2758	2040	2065		2.00		X								
Mean	89.0	65.8													
Extreme	99	58													

Observer Bay County Water System

Post Office 3400 Baconton Rd. Panama City, Fla. 32401

08-6842-15

PLEASE! Be sure the station name is on this for An unidentified record is easily lost.

W.S. FORM 1110 PANAMA CITY SNE

U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Station ~~Water Treatment Plant~~

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay

Time of observation (local time) if once daily 0700 CST Month October 19 76

State Florida

If at different times, temperature _____ precipitation _____ Standard time in use CST

Date	TEMPERATURE °F: 24-hr. ending at observation Max.	Min.	At obsn.	PRECIPITATION: Draw a straight line (—) through hours precipitation was observed, and a curved line (~) through hours precip. probably occurred unobserved. (12 M. / 6 A.M. / 6 P.M.)	24-hr. amounts: Rain, Melted snow, etc.	Snow, Ice Pellets, Hail	Unusual precip. for time of year
1	81	55	58		T		
2	79	54	55		T		
3	83	56	57		0		
4	85	62	64		-0-		
5	83	63	64		-0-		
6	81	64	69		.30		
7	81	70	71		1.75		
8	75	65	69		2.01		
9	72	52	53		.03		
10	68	46	47		-0-		
11	73	45	46		-0-		
12	74	50	51		-0-		
13	75	46	47		-0-		
14	76	49	50		0		
15	75	55	56		0		
16	81	54	56		0		
17	79	55	65		.51		
18	72	53	55		0		
19	72	53	55		0		
20	78	54	60		.55		
21	69	40	41		0		
22	65	39	46		0		
23	72	40	44		0		
24	71	43	57		0		
25	79	55	65		0		
26	70	56	66		1.25		
27	67	46	46		0		
28	70	46	49		0		
29	58	40	41		0		
30	71	54	63		0		
31	70	46	47		.76		
Sum	2388	1611			7.11	U	X
Avg	74	52					
Norm	85	39			2.01		

WEATHER (CALENDAR DAY): Mark X for all types occurring each day — Fog, Ice Pellets, Glaze, Thunder, Hail, Damaging Wind, Time of Obsn. if different from the other

Important weather conditions not included in "Weather" block; remarks, etc.

Check ☐ when additional sheet is used for remarks

Station Bay County Water Plant

Post Office 3400 Transmitter Panama City, Fla 32401

List forms or supplies needed _____

Station 08-6842-1 Month _____ 19__

PLEASE! Be sure the station name is on this form. unidentified record is easily lost.

Punched 50713

U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — REV. 9-71

Station Water Treatment Plant — RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay — Time of observation (local time) if once daily 0700 — Month November 19 76

State Florida — If at different times, temperature ____ precipitation ____ — Standard time in use CST

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn. 47	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a curved line (~) through hours precip. probably occurred unobserved. (A.M. / NOON / P.M.)	24-hr. amounts: Rain, Melted snow, etc. (Inc. & hundredths)	Snow, Ice Pellets, Hail (Inc. & tenths)	At obsn.	Weather Calendar Day: Mark "X" for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of obsn. if not at usual time of day	Important weather conditions not included in "Weather" block, remarks, etc.
1	61	44	45		-0-										
2	65	42	43		-0-										
3	68	51	53	43	-0-										
4	72	42	44		-0-										
5	69	38	43		-0-										
6	61	28	34		-0-										
7	65	36	37	34	-0-										
8	73	47	42	37	-0-										
9	62	29	30		-0-										
10	65	50	51	30	-0-										
11	72	54	55	54	-0-										
12	75	53	57		.16										
13	64	42	44		0										
14	61	44	48		.03										
15	58	46	48		.37										
16	57	46	49		-0-										
17	52	48	51		.44										
18	55	47	48		.89										
19	70	46	50		0										
20	69	50	55		1.35										
21	60	55	55		.43										
22	66	32	38		0										
23	56	30	32		0										
24	55	30	32		0										
25	64	32	35		0										
26	69	50	52	35	0										
27	70	69	70	54	.07										
28	73	70	70	M	1.95										
29	75	42	42		.32										
30	42	28	29		.7										
31															
Sum	1922	1819			6.91		X								
Av.	64	44													
Extremes	75	28			1.95										

Station Bay County Water Plant

Post office 3400 Transmitter Rd. Panama City, Fla. 32401

Check ☐ when additional sheet is used for remarks — 67

List forms in monthly order: U.S. Form F-10

Station ____ Month ____ 19__

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost. QS-6642-L

W. S. FORM F-1 — U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — (REV. 8-71)

Station Ft. Mc Clay, Fla.

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay

Time of observation (local time) if once daily 0700

Month December 19 76

State Florida

If at different times, temperature ____ precipitation ____

Standard time in use CST

PUBLISHED FORM

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a waved line (~) through hours precip. probably occurred unobserved. A.M. / P.M.	24-hr amounts: Rain, Melted snow, etc. (Inc. & hundredths)	Snow, Ice Pellets, Hail (Inc. & tenths)	Weather Calendar Day: Was it for all hours indicated each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Snow, Sleet, Rain & Snow	Time of Obsn. if different from this entry	Important weather conditions not included in "Weather" block; remarks, etc.
1	44	31	32	D	-0-									
2	53	35	36	B D	-0-									
3	59	27	35		.01									
4	62	29	33		—									
5	64	38	40	T, D	0									
6	66	52	53	T D	T									
7	62	61	62	B B	.84									
8	64	37	38		.17									
9	54	29	30		-0-									
10	56	40	47	T, D	0									
11	71	47	58		.43									
12	68	58	65		.56									
13	73	60	60		1.02									
14	60	47	47		.03									
15	51	47	50		.13									
16	57	45	47		.02									
17	45	23	37		0									
18	65	37	39		0									
19	72	39	42		0									
20	71	41	57		.08									
21	61	29	30		.37									
22	43	26	28		0									
23	44	28	43		.02									
24	50	25	27		0									
25	62	32	47	D T	T									
26	65	47	48		1.77									
27	53	39	40		-0-									
28	63	59	58	T D	.18									
29	70	37	38		T									
30	61	37	39		0									
31	65	34	61		.20									
Total	1811	1224			5.66	0	X							
Avg.	58	39												
Ext.	73	25			1.77									

Check ☐ when additional sheet is used for remarks

Name and Office: Bay County Wilson Station, 3400 Transmitter Rd., Panama City, Fla. 32401

List forms or supplies needed ____

Signature ____ Month ____ 19__

08-6842-1

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

W.B. FORM ... Panama City, FLA

U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 9-71)

Station ... Lighthouse

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County ... Bay

Time of observation (local time) if once daily ... 0700 ...

Month ... January ... 19 ... 72

State ... Florida

If at different times, temperature ..... precipitation .....

Standard time in use ... CST

Number 220845

Date	TEMPERATURE °F: 24 hrs. ending at observation — Max.	Min.	At obsn.	PRECIPITATION: Draw a straight line (—) through hours precipitation was observed, and a curved line (~) through hours precip. probably occurred unobserved. (12 M. / AM / 12 M. / PM)	24-hr. amounts: Rain, Melted snow, etc. (in hundredths)	Snow, Ice Pellets, Hail (Melt, in tenths)	At other times (Date, Hour, Amount)	WEATHER CALENDAR DAY: Mark 'X' for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Duststorm or Sandstorm	Blowing Snow	Unusual or Important Phenomena (Describe in detail under "Remarks")	In portant weather conditions not included in "Weather" block; remarks, etc.
1	62	28	30		.01											
2	48	38	46	1340	-0-											
3	46	42	43		1.47											
4	49	44	45		T											
5	50	45	51	1445	-0-											
6	69	42	42		-0-											
7	69	46	47	1400	.70											
8	54	33	35		-0-											
9	53	35	47		-0-											
10	69	43	44		.06											
11	45	23	23		—											
12	45	31	31	0400	-0-											
13	52	36	37	0300	-0-											
14	61	37	60	0200	.02											
15	62	48	49		1.47											
16	58	33	35		-0-											
17	57	18	19		-0-											
18	36	19	30		T	T										SNOW, NO ACCUMULATION
19	32	11	11		-0-											
20	33	11	32		-0-											
21	51	25	32		—											
22	54	25	33		—											
23	56	37	38	1130	—											
24	58	48	48	1700	19 —											
25	60	32	34		T.10											
26	55	26	27		.28											
27	55	27	54		.19											
28	69	31	61		.61											
29	67	28	29		.09											
30	44	30	31	0900	—											
31	50	26	34		.22											
Sum	1675	995			5.73											
Av.	52	32			5.83											
Ex.	69	11			1.97											

Check ☐ when additional sheet is used for remarks

Cooperative Bay County Water Plant

Post Office 2400 Beachcomber Panama City, Fla 32401

List forms or supplies needed .....

Station ..... Month ..... 19 .....

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-14

W.S. FORM F-10 — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — (REV. 8-71)

31 ...Weather Bureau... RECORD OF CLIMATOLOGICAL OBSERVATIONS

County ...Bay... Time of observation (local time) if once daily ...0700... Month ...March... 19 77

State ...Florida... If at different times, temperature ..... precipitation ..... Standard time in use ...CST...

Revised 05810

Date	Temperature °F 24 hrs. ending at observation time: Max.	Min.	At obs. 46	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a dotted line (- - -) through hours precipitation probably occurred unobserved. 00 06 12 18 24	24-hr. amounts: Rain, melted snow, etc. (Inc. & hundredths)	Snow, Ice Pellets, Hail (Inc. & tenths)	At obs. time: Snow on ground (Inches)	Weather Calendar Day: Use "X" for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of (from) if different from this entry	Important weather conditions not included in "Weather" block; remarks, etc.
1	62	30	35		-0-										
2	65	34	40		-0-										
3	68	40	57		-0-										
4	70	~~66~~	60	57	.10										
5	~~58~~	~~70~~	58	58	1.12										
6	62	55	57		.17										
7	59	50	50		1.93										
8	65	35	41		-0-										
9	68	39	46		-0-										
10	72	41	55		.17										
11	65	55	65		.21										
12	72	64	69		-0-										
13	72	55			.56										
14	72	42	48		-0-										
15	83	48	60		-0-										
16	81	60	67		-0-										
17	84	55	58		-0-										
18	79	58	71		-0-										
19	78	68	71		-0-										
20	81	67	68		-0-										
21	79	59	64		-0-										
22	78	59	61		-0-										
23	66	42	46		-0-										
24	69	38	49		-0-										
25	70	~~56~~	66	49	-0-										
26	76	50	~~51~~		-0-										
27	~~71~~	~~62~~	63	54	-0-										
28	78	60	66		-0-										
29	77	68	70		-0-										
30	80	68	70		-0-										
31	80	66	67		.11										
Sum	2256	1662		Cooperative Bay County Water Dept.	4.37	0	X								
Av.	73	54		Post Office 340 Tram Oaks Dr. Panama City, Fla.	Greatest 1.93										
Ext.	82	30													

32405

List forms or supplies needed _____

Check ☐ when additional sheet is used for remarks

08-6842-1 + Month _____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

W.S. FORM 1 U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Station Whitfield Plant

County Escambia Parish

State Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily 0700 If at different times, temperature ____ precipitation ____

Month April 19 72

Standard time in use E.S.T.

Date	TEMPERATURE °F: 24 hrs. ending at observation Max.	Min.	At obsn.	PRECIPITATION: Show a straight line (—) through hours precipitation was observed, and a curved line (⌒) through hours prcip. probably occurred unobserved. A.M. / P.M.	24-hr amounts: Rain, Melted snow, etc. (Incl. H. from Hail)	Snow, Ice Pellets, Hail (Incl. H. from Hail)	At obsn. (Incl. H. from Fr. and Ice on ground but not Hail)	WEATHER CALENDAR DAY: Mark X for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of Obsn. if different from the above	Important weather conditions not included in "Weather" (fog), remarks, etc.
1	80	64	66		-0-										
2	80	65	72		0										
3	81	71	73		-0-										
4	82	72	73		0										
5	82	59	60		.49										
6	68	36	48		0										
7	71	40	52		0										
8	77	50	63		0										
9	80	55	65		0										
10	85	45	60		0										
11	83	47	62		0										
12	85	52	62		0										
13	85	49	60		0										
14	81	49	59		0										
15	85	54	62		0										
16	83	58	67		0										
17	83	60	62		0										
18	85	54	70		0										
19	83	52	67		0										
20	82	57	66		0										
21	82	63	72		0										
22	83	65	72		0										
23	83	68	73		.22										
24	80	60	61		0										
25	80	51	55		0										
26					0										
27	78	42	49		0										
28	77	45	50		0										
29	78	47	53		0										
30	80	49	55		0										
31															
Σ	2343	1581			.71	0	X								
Av.	78.1	52.7													
Ext.	85	36			.49										

Observer Ray Crosby Whitfield Plant

Post Office Whitfield Plant Pensacola Fla.

Check ☐ when additional sheet is used for remarks

List forms or supplies needed ____

Station ____ Month ____ 19__

3240

PLEASE! Be sure the station name is on this form and on each record is easily lost.

08 0842 1 1

Panama City

FORM E-13
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological) Tyndall AFB (River Stage if different) | MONTH July | 19 77
RIVER | TYPE OF RIVER GAGE | COUNTY Bay
TIME (Local) OF OBSERVATION RIVER / PRECIPITATION 0700 | TEMPERATURE | STANDARD TIME IN USE EDT
STATE Florida | ELEVATION OF RIVER GAGE ZERO Ft. | FLOOD STAGE Ft. | NORMAL POOL STAGE Ft.

DATE	RIVER STAGE: CONDITION	RIVER STAGE: GAGE READING AT ___ A.M.	RIVER STAGE: TENDENCY	TEMPERATURE °F: HRS. ENDING AT OBSERVATION MAX.	TEMPERATURE °F: HRS. ENDING AT OBSERVATION MIN.	TEMPERATURE °F: AT OBSN.	PRECIPITATION: Draw a straight line through hours precipitation was observed, and a wavy line (zony through hours precip. probably occurred unobserved. A.M. / NOON / P.M.	24-HR AMOUNTS: Rain (melted snow, ice & hail)	24-HR AMOUNTS: Snow, Ice Pellets, Hail (ins. & tenths)	24-HR AMOUNTS: Depth on Ground (ins.)	WEATHER (Columns 1-6): MARK "X" FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS	HAZE	THUNDER	HAIL	DUST, BLOWING SAND	Longest Continuous Period (hrs. & tenths)	SPECIAL OBSERVATIONS OF PRECIPITATION AND RIVER STAGE: DATE	TIME OF OBSERVATION	PRECIPITATION SINCE 7 A.M.	RIVER: STAGE	RIVER: FLOOD STAGE	CREST STAGE, DATE AND TIME, DEPTH OF SNOW OR ICE, STATE OF WEATHER AT TIME OF OBSERVATION
1				93	72	74		0																
2				95	77	80		.02																
3				92	68	72		.02																
4				93	70	74		.02																
5				92	73	76		.02																
6				94	72	76		1.73																
7				93	73	77		0																
8				94	76	77		0																
9				92	74	76		0																
10				91	72	75		0																
11				93	70	74		0																
12				93	72	77		0																
13				91	73	76		.22																
14				89	74	80		.02																
15				89	73	78		.02																
16				93	72	76		.02																
17				92	69	73		1.45																
18				90	70	71		.12																
19				90	70	72		2.62																
20				91	70	72		2.00																
21				89	70	74		0																
22				93	69	75		0																
23				91	71	75		0																
24				94	72	77		0																
25				92	70	74		0																
26				95	70	72		0																
27				95	72	76		0																
28				92	76	76		.20																
29				91	74	76		0																
30				90	72	77		0																
31				93	74	76		0																
SUM				2811	2214			8.07	( )		FOG	ICE PELLETS	HAZE	THUNDER	HAIL	DUST, BLOWING SAND								
								2.02																

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

BEST COPY AVAILABLE

CHECK BARIGN (if necessary) NORMAL CHECK BAR

	HIGH	LOW
MONTHLY	110	MIN
Avg	92	71
EXTR	98	66

CONDITION OF RIVER AT GAGE
A. Obstructed by rough ice.
B. Frozen, but some of gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Planting ice.
H. Past stage.

STATION INDEX NO. 08-6842-1

OBSERVER Bay County Water Plant

SUPERVISING OFFICE 3460 Jo Bill Allen Rd, PANAMA

Panama City

NS Form E-13
(11-75)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological) Panama City (River Station, if different)
MONTH AUG 1977
RIVER
TYPE OF RIVER GAGE
COUNTY BAY
TIME (Local) OF OBSERVATION RIVER PRECIPITATION 0700
TEMPERATURE
STANDARD TIME IN USE CST
STATE FLA
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

DATE	RIVER STAGE: CONDITION	RIVER STAGE: GAGE READING AT ___ A.M.	RIVER STAGE: TENDENCY	TEMPERATURE °F: (24HRS. ENDING AT OBSERVATION) MAX.	TEMPERATURE °F: (24HRS. ENDING AT OBSERVATION) MIN.	TEMPERATURE °F: AT OBSN.	PRECIPITATION: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~~~) through hours precip. 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.)	24-HR AMOUNTS: Rain, melted snow, etc. (Incl. 8 a.m. to midnight)	24-HR AMOUNTS: Snow, Ice Pellets, Sleet, etc. (Incl. 8 a.m. to midnight)	WEATHER (Calendar Day) MARK 'X' FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS, SLEET	GLAZE	THUNDER	HAIL	DUST, BLOWING SPRAY	Light or Moderate Ice Jam or Gorge	SPECIAL OBSERVATIONS OF PRECIPITATION AND RIVER STAGE: DATE	TIME OF OBSERVATION	PRECIP. STATION SINCE 7 A.M.	RIVER: STAGE	RIVER: TEND.	CREST STAGE, DATE AND TIME, DEPTH OF SNOW OR ICE, STATE OF WEATHER AT TIME OF OBSERVATION
1				85	71	74		1.50															
2				93	72	73		.35															
3				86	73	76		.06															
4				88	71	73		.10															
5				96	72	73		-0-															
6				92	73	78		.24															
7				95	74	75		T															
8				95	73	76		-0-															
9				95	73	74		-0-															
10				93	71	72		.22															
11				90	68	71		.43															
12				90	71	72		.55															
13				91	71	73		.03															
14				91	71	72		.04															
15				87	71	75		-0-															
16				87	72	74		.75															
17				89	73	74		T															
18				90	76	77		.44															
19				86	73	74		.52															
20				81	72	74		.68															
21				87	72	73		2.48															
22				90	73	74		T															
23				90	74	75		.70															
24				90	73	77		T															
25				91	73	74		.02															
26				87	72	75		.60															
27				88	70	72		.99															
28				90	73	75		.33															
29	69	-1		92	72	75		T															
30				90	72	74		.20															
31				92	72	74		-0-															
SUM			X			X		12.11		X													
CHECK BAR (For non-negative)				2777		2236		Corrected	1.32														
				90		72																	
				96		68																	

Sum
avg
extremes

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. Real stage.

STATION INDEX NO. 08-6842-1

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

OBSERVER BAY County Water Plant

SUPERVISING OFFICE 3400 Transmitter Rd
Panama City, Fla
32404

SUPERSEDES NS FORMS E-13 (10-73) AND F-13 (8-73) WHICH SHOULD BE USED UNTIL EXISTING STOCKS ARE DEPLETED.

U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Station: Waterplant

RECORD OF CLIMATOLOGIC OBSERVATIONS

County: Bay County - Panama City

Time of observation (local time) if a daily: 0700

Month: September 19 77

State: Florida

If at different times, temperature _____, precipitation _____

Standard time in use: CST

Washed 1705g

Date	Temperature °F: 24-hr. ending at obs. Max.	Min.	At obs. 7A	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a curved line (~) through hours precip. probably occurred unobserved. 24-hr. amounts: Rain, Melted Snow, etc. (ins. & hundredths)	Snow, Ice Pellets, Hail (ins. & tenths)	Weather (Calendar Day): Mark X for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Important weather conditions not included in "Weather" block; remarks, etc.
1	92	72	72	.20								
2	91	72	73	0								
3	85	73	75	.03								
4	81	70	76	.57								
5	88	73	77	.03								
6	87	73	81	.74								
7	85	76	76	.27								
8	89	72	73	0								
9	90	72	74	0								
10	90	70	70	0								
11				0								
12	90	68	71	0								
13	93	70	73	0								
14	89	72	73	0								
15	90	72	72	0								
16	90	69	71	.30								
17	87	71	75	.07								
18	89	69	72	0								
19	84	70	72	.31								
20	88	71	72	0								
21	89	69	72	0								
22	90	68	71	0								
23	89	64	69	0								
24	91	68	72	0								
25	89	70	70	0								
26	89	70	72	0								
27	88	70	71	0								
28	89	71	73	0								
29	92	71	72	0								
30	87	71	73	.01								
31												
Sum	2671	2047										
Avg	89	71										
Ext.	92	64										

Observer: Bay County Weather Station — Sum: 6.52 — 0 — X

Post Office: Hugo Jadgmitter, Weather Observer, Panama City, Fla. 32401 — Drought Index: 3.30

Check ☐ when additional sheet is used for remarks

List forms or supplies needed: _____

Station _____ Month _____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08 6842-1

U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

State Florida

County Bay

State Florida Panama City

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily 7 A.M.

If at different times, temperature _____ precipitation _____

Month November 72

Standard time in use CST

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn. 61	Precipitation: Draw a straight line through hours precipitation was observed, and a waved line through hours precip. probably occurred unobserved. 00 — 2400	24-hr. amounts: Rain, melted snow, etc. (Hundredths)	Snow, Ice Pellets, Hail (Tenths)	Other	Weather Calendar (Mark ✓ for all types occurring each day): Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of Obsn. if different from 7 AM	Important weather conditions not included in "Weather" block, remarks, etc.
1	77	51	53		—										
2	78	53	61		—										
3	77	61	63		.17										
4	80	62	65		.08										
5	74	58	65		.89										
6	71	63	64		1.32										
7	72	53	57		.03										
8	76	55	57		-0-										
9	79	58	61		-0-										
10	75	48	51		.55										
11	58	37	38		.02										
12	62	42	44		-0-										
13	67	39	40		-0-										
14	62	37	38		-0-										
15	66	40	43	38	-0-										
16	72	61	62	43	.11										
17	69	44	59	514	.94										
18	77	55	67	449	.06										
19	69	57	58		-0-										
20	70	44	62	58	.02										
21	74	60	61		.05										
22	79	56	62		—										
23	72	65	66	61	.10										
24	75	65	66		.08										
25	79	56	67	39 5 6	.02										
26	65	42	44		-0-										
27	53	36	37		-0-										
28	52	54	67	81	-0-										
29	54	53	77		.04										
30	77	67	68		—										
31															
Σ	2099	1590			4.53	0	X								
Av.	70	53													
Ex.	80	37			1.32										

Observer Big Cavity Water Plant

Post Office Panama City, Fla.

Check ☐ when additional sheet is used for remarks

List forms as supplies needed _____

Station _____ Month _____ 19__

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

W. S. FORM F-15 U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 9-71)

Station Lake Placid

County Polk Panama City

State Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily 7:30 AM

If at different times, temperature _____ precipitation _____

Month December 19 77

Standard time in use EST

Date	TEMPERATURE °F 24 hrs. ending at observation Max.	Min.	At obsn. 6 P.M.	PRECIPITATION Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours prcip probably occurred unobserved. 6 P.M. DEC 6 A.M.	24 hr. amounts Rain, Melted snow, etc. Inc. & hundredths	Snow, Ice Pellets, Hail Inc. & tenths	At obsn. Inch on ground at obsn. time	WEATHER (CALENDAR DAY) Mark X for all types occurring each day: Fog, Ice Pellets, Glaze, Thunder, Hail, Sleet, Snow	Time of obsn. if different from this date	Important weather conditions not included in "Weather" block; remarks, etc.
1	75	54	59		.56					
2	66	48	50		—					
3	62	43	48		0					
4	72	46	54		0					
5	74	58	72	54	0					
6	78	51	52		.02					
7	55	26	29							
8	51	30	32							
9	63	57	58		.11					
10	35	28	30		0					
11	47	26	30		0					
12	55	26	40		0					
13	64	40	53		0					
14	73	53	60		2.36					
15	69	51	53		.05					
16	69	46	46							
17	66	46	54							
18	74	44	47		.05					
19	67	38	40		0					
20	71	40	63		0					
21	76	33	33		.36					
22	51	29	31		.01					
23	50	31	34		0					
24	60	58	58		0					
25	66	58	61		.68					
26	65	30	31		0					
27	49	25	27		0					
28	51	27	32		0					
29	50	30	34		0					
30	60	34	59		1.08					
31	62	52	53		.30					
Sum	1948	1233			Sum 5.48	0	X			
Ave.	63	40			Departure 2.36					
Extr.	78	25								

Observer Bay County Water Dept.

Post Office Box 1000 Panama City Florida

Check ☐ when additional sheet is used for remarks

List forms or supplies needed _____

Station _____ Month _____ 19 _____

PLEASE! Be sure the station name is on this form. An unidentified record is useless.

68-6842-1

W.S. FORM F-1 U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ISTRATION — NATIONAL WEATHER SERVICE REV. 9-71

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Station WATER PLANT Panama City
County Bay
State Fla
Time of observation (local time) if once daily 0700 CST
If at different times, temperature ____ precipitation ____
Month January 19 72
Standard time is in CST

Date	Temperature °F: 24 hr. ending at observation Min.	Max.	At obsn. 6 PM	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precipitation probably occurred unobserved. A.M. / P.M.	24 hr. amounts: Rain, Melted snow, etc. (Inc. & Tenths)	Snow, Ice Pellets, Hail (Inc. & Tenths)	Ice on ground (Snow, ice pellets or hail on ground at observation time)	Weather Calendar Date: Mark "X" for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	"V"	Unusual or Severe (Tornado, Waterspout, Funnel Cloud, Severe Thunderstorm, Flash Flood, Unusual Snowfall for the area)	Important weather conditions not included in "Weather" block; remarks, etc.
1	54	50	52		.01									
2	68	42	42		0									
3	44	30	30		.02									
4	55	28	30		.0									
5	63	30	38											
6	67	39	51		.01									
7	70	58	59	51	0									
8	72	65	66	59	0									
9	66	22	27		.05									
10	40	24	24		0									
11	42	24	25		0									
12	46	24	32		0									
13	48	32	42		.60									
14	46	34	35		0									
15	42	24	25		0									
16	45	24	32		0									
17	59	32	56		.84									
18	65	32	34		0									
19	52	34	46		1.15									
20	62	55	35		.26									
21	38	31	32		0									
22	44	30	33		0									
23	56	32	44		0									
24	52	43	52		.04									
25	67	52	65		.70									
26	69	40	40		.35									
27	52	27	27		0									
28	51	26	30		0									
29														
30	50	27	32		0									
31	45	32	36		.26									
Σ	1633	1028			4.69		X							
Avg	54	34												
Ext	72	24			1.15									

Observer Bay County Water Plant
Post Office 3402 Transmitter Panama City, Fla

Check ☐ when additional sheet is used for remarks

List forms or supplies needed

Station ____ Month ____ 19 ____

58-6842-1

PLEASE! Be sure the station name is on this form. An unidentified record is [illegible]

W.S. FORM — PANAMA CITY [illegible] — U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — (REV. 9-71)

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Station: WATER — Month: February — 19 78

County: Bay — Time of observation (local time) if on a daily: 0700 — Standard time in use: CST

State: Florida — If at different times, temperature _____, precipitation _____

Supplied 02703

Date	TEMPERATURE °F: 24 hrs. ending at observation, Max.	Min.	At obsn.	PRECIPITATION: Draw a straight line (—) through hours precipitation was observed, and a vertical line (|) through hours precip. probably occurred undetected. A.M. 1200 P.M.	24-hr. amounts: Rain, Melted snow, etc. (Incl. to hundredths)	Snow, Ice Pellets, Hail (Incl. to tenths)	Ice on ground (Enter zero when ice is present but amount not measured)	WEATHER CALENDAR DAY: Mark "X" for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Snow or Sleet Drifting	Time of Obsn. if different from the usual	Important weather conditions not included in "Weather" block; remarks, etc.
1	59	34	37		.56										
2	58	37	55		.82										
3	58	40	41		.16										
4	46	35	36		0										
5	46	29	34	D6 P9	0										
6	59	28	29		0										
7	47	27	38		0										
8	45	28	32		.01										
9	37	32	35		.30										
10	51	33	38		0										
M 11	28	28	30	D6	0										
12	62	31	34		0										
13	68	28	27		.15										
14	69	43	43		0										
15	58	31	33		0										
16	59	33	46		.66										
17	57	46	48		.01										
18	59	47	52		.51										
19	58				T										
M 20	58	35	35		.01										
21	49	32	47		.01										
22	52	27	28		0										
23	51	28	30		0										
24	61	28	31		0										
25	59	31	40		0										
26	68	39	52												
27	69	39	44		.01										
28	68	44	56		.49										
29															
30															
31															
T	1457	923			3.70										
M	54	34			3.69										
T	69	27			.82										

Observer: Bay County Water Plant — Post Office: Star Route Miller, Panama City, Fla. 32401

Check ☐ when additional sheet is used for remarks

List forms or supplies needed _____

Station _____ Month _____ 19 _____

PLEASE! Be sure the station name is on this [illegible] An unidentified record is easily [illegible]

08-6842 1

W. S. FORM — U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Station Panama City S.W.E. — RECORD OF CLIMATOLOGICAL OBSERVATIONS — Month April 19 78

County Bay

Time of observation (local time) if once daily 0700 / if at different times, temperature ____ precipitation ____ — Standard time in use ____

State Florida

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a waved line (~) through hours precip. probably occurred unobserved. 6 A.M. – 12 Noon – 6 P.M.	24-hr amounts: Rain, Melted snow, etc. (Incl. 8 a.m. Snowfall)	Snow, Ice Pellets, Hail (Incl. 8 a.m. Snow on Ground)	At other times (Amount and Hours)	Weather Calendar Day: Hours & Tot. of Types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Snow on Ground	Time of Obsn. if different from 24hr ending	Important weather conditions not included in "Weather" block; remarks, etc.
1	78	36	57		0										
2	51	36	28		0										
3	80	42	56		0										
4	81	52	58		0										
5	76	42	56		0										
6	81	50	54		0										
7	79	54	62		0										
8	82	45	66		0										
9	88	57	65		0										
10	85	55	59		0										
11	83	59	71		0										
12	80	62	62		.03										
13	79	63	67		.20										
14	77	50	58		.17										
15	84	53	68		0										
16	85	53	59		0										
17	84	58	62		0										
18	81	64	72		0										
19	75	62	70		1.85										
20	80	44	69		0										
21	82	44	55		0										
22	72	50	60		0										
23	79	53	64		0										
24	74	60	64		0										
25	85	57	63		0										
26	83	52	55		0										
27	71	45	54		0										
28	75	48	58		0										
29	78	58	60		0										
30	79	68	64		0										
31	—				0										
1	84	47													
2	80	54													
3	88	36													

Observer Jo Cassity Moter — Post Office 3 Transmitter Panama City, Fla

Sum 3.25 — Sum 1.85 — D — X

Fog | Ice Pellets | Glaze | Thunder | Hail | Snow on Ground

Check ☐ when additional sheet is used for remarks

List forms or supplies needed 08-6842-1

Station ____ Month ____ 19 ____

PLEASE! Be sure the station name is on this f[orm] — An unidentified record is [use]less — ~~08-6842-1~~ 1

W. S. FORM F-10 — U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — (REV. 9-71)

RECORD OF CLIMATOLOGICAL OBSERVATIONS

State: North Dakota — Month: January — 19 72

County: Bay — Type of observation (local time) if once daily: 0700 A — Standard time in use: EST

State: Florida — If at different times, temperature ____ precipitation ____

Date	Temperature °F: 24-hr. ending at observation: Max.	Min.	At obsn. 68	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip probably occurred unobserved. 7 A.M. NOON 7 P.M.	24-hr. amounts: Rain, Melted snow, etc. (Dec. 6 hundredths)	Snow, Ice Pellets, Hail (Dec. & tenths)	At obsn. (Trace = T; Precipitation too small to measure = 0.00; Missing data = M)	Weather Calendar (Date): Mark X for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Date of Snow on Ground from this storm	Important weather conditions not included in "weather" block, remarks, etc.
1	91	58	71		0										
2	92	68	70		.41										
3	84	70	78		.92										
4	78	72	73		.41										
5	85	70	75		0										
6	84	75	77		.14										
7	88	70	72		0										
8	88	72	80		0										
9	85	72	77		1.28										
10	87	71	73		.50										
11	89	73	75		0										
12	91	70	72		.35										
13	90	68	72		0										
14	93	67	72		0										
15	92	70	71		0										
16	87	69	70		.53										
17	91	70	73		0										
18	90	67	70		0										
19	89	69	70		0										
20	89	65	70		0										
21	90	70	72		.14										
22	93	70	75		.01										
23															
24	94	72	75		.63										
25	97	71	78		.29										
26	98	72	77		0										
27	94	73	77		0										
28	96	77	80		0										
29	98	82	80		.06										
30	96	75	76		0										
31															
Sum	2691	2021			6.20	(1)	X								
Av.	90	71													
Extr.	98	65			1.28										

Check ☐ when additional sheet is used for remarks

Observer Bay County State Bank — Post Office Fire Washington Ave. Panama City, Fla.

Last items or supplies needed ____

Sent on ____ (Month) ____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

W.B. 1 10 U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 6-71)

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Station Waterbloom — County Bay — Panama City — Hour of observation (local time) if once daily 0700 CST — Month July 19 28

State Florida — at different times, temperature ____ precipitation ____ — Standard time in use CST

Date	Temperature °F: 24-hr. ending of observation Max.	Min.	At obsn. 76	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred undetected. 6 A.M. 6 P.M.	24-hr. amounts: Rain, melted snow, etc. (Dec. 6 hund'ths)	Snow, Ice Pellets, Hail (Dec. & tenths)	At obsn. Time of beginning and ending of precip.	Weather (Calendar Day): Mark X for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Dangerous Wind	Time of Obsn. if different from the above	Important weather conditions not included in "Weather" block, remarks, etc.
1	94	75	76		0										
2	92	80	81	T	0										
3	91	80	76	T	0										
4	91	72	76		.54										
5	90	72	76		.01										
6	91	73	75		0										
7	93	71	72		.02										
8	89	71	74		.15										
9	94	72	73		0										
10	94	72	75		0										
11	96	74	77		0										
12	88	73	76		0										
13	94	70	70		.83										
14	88	71	73		2.18										
15	90	73	75		T										
16	90	74	75		.21										
17	87	71	73		.15										
18	91	72	75		.07										
19	89	75	78		.07										
20	85	71	73		.43										
21	92	71	74		.54										
22	91	75	76		.8										
23	92	76	77		0										
24	91	73	74		.88										
25	89	72	75		1.02										
26	89	72	72		.43										
27	81	71	71		3.00										
28	83	70	75		1.87										
29	86	78	77		.20										
30	90	74	79		.0										
31	88	72	73		.22										
—	2783	2262			B.02 10	X									
Av.	90	73			Group No. 1 3.02										
Ext.	96	70			13.02										

Observer Bay County Water Plant

Post Office Waterbloom Panama City Florida

32/01

22.50

Check ☐ when additional sheet is used for remarks

List forms or supplies needed ____

Station ____ Month ____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

W. S. FORM F-

U. S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 9-71)

Station Water Plant

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay County Panama City Time of observation (local time) if once daily 0700 Month August 19 78

State Florida If at different times, temperature ____ precipitation ____ Standard time in use CST

Date	TEMPERATURE 24 hr. ending observation Max.	Min.	At obs.	PRECIPITATION Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours it probably occurred unobserved. A.M. / P.M.	24-hr. amounts Rain, Melted snow, etc. (Incl. H. Sand Dep.)	Snow, Ice Pellets, Hail (Incl. Sleet Dep. & Sand Dep.)	At obs. (1 hour or less, trace or not sure)	WEATHER CALENDAR (Mark X for all types occurring each day) Fog	Ice Pellets	Glaze	Thunder	Hail	Snow, Ice Crystals	Time of Obs. if different from 7AM	Important weather conditions not included in "Weather" block, remarks, etc.
1	92	69	72		.91										
2	92	70	73		0										
3	95	71	72		0										
4	93	70	71		1.16										
5	86	70	70		.28										
6	88	68	70		.76										
7	90	70	71		.13										
8	88	70	74		.21										
9	89	71	72		.55										
10	84	72	74		.49										
11	81	72	76		1.35										
12	85	72	73		.47										
13	90	73	74		.47										
14	92	72	74		0										
15	90	71	74		0										
16	90	72	77		0										
17	92	72	75		0										
18	92	72	74		0										
19	92	75	76		0										
20	94	69	70		1.14										
21	92	69	77		0										
22	96	71	73		.37										
23	94	72	75		0										
24	91	72	73		0										
25	92	69	70		0										
26	94	70	71		0										
27	92	71	72		0										
28	93	68	71		0										
29	93	70	72		0										
30	91	72	73		0										
31	91	71	72		0										
Sum	2204	2148			8.29	0	X								
Avg	90	71													
Ext.	96	68			1.35										

Observer Bay County Water Dept. Post Office Transmitter Panama City Fla

Check ☐ when additional sheet is used for remarks

Unit forms or supplies needed ____

Station ____ Month ____, 19__

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

W.B. FORM — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — REV. 9-711

Station Bay County Water Plant — RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay — Panama City 5 NE — Time of observation (local time) If once daily 0700 — Month Sept 19 78

State Florida — If at different times, temperature ____ precipitation ____ — Standard time in use CST

Fullbright

Day	Temperature °F 24 hrs. ending at observation Max.	Min.	At obsn.	Precipitation — Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. presently occurred unobserved. (midnight … noon … midnight)	24-hr amounts Rain, Melted snow, etc. (Mo. & Day End)	Snow, Ice Pellets, Hail (Mo. & Day End)	At obsn.	Weather Calendar Dates — Mark "X" for all types occurring each day: Fog, Ice Pellets, Glaze, Thunder, Hail, Snow	Important weather conditions not included in "Weather" block; remarks, etc.
1	92	72	77		0				
2	95	72	72		.05				
3	94	69	69		0				
4	90	64	72		0				
5	93	67	70		0				
6	92	68	68		0				
7	92	68	69		0				
8	93	67	73		0				
9	94	73	75		0				
10	93	73	73		0				
11	94	68	68		0				
12	89	68	71		0				
13	95	69	72		0				
14	93	69	71		0				
15	91	70	72		0				
16	92	69	70		0				
17	93	69	70		.20				
18	92	70	71		.75				
19	93	70	70		0				
20	93	66	70		0				
21	95	63	72		0				
22	91	70	72		.25				
23	93	69	70		0				
24	92	71	72		.8				
25	91	69	71		.80				
26	90	70	71		0				
27	87	70	70		.02				
28	85	67	67		.03				
29	82	66	66		0				
30	75	66	70		.46				
31									
Sum	2734	2067			4.24	0	X		
Ave	91	69			3.20				
Extreme	95	66			.80				

Observer Bay County Water — Post Office Fountain Florida (32401)

Fog | Ice Pellets | Glaze | Thunder | Hail | Snow — Check ☐ when additional sheet is used for remarks

Log forms or supplies needed ____

Station ____ Month ____ 19__

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

W.S. FORM F-10 PANAMA CITY SNE

U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 9-71)

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Station Municipal Airport

County Bay Panama City Time of observation (local time) if once daily 0700 Month October 19 78

State Florida If at different times, temperature ____, precipitation ____ Standard time in use CST

Punched 31328

Date	Temperature °F: 24 hrs. ending at observation Max.	Min.	At obsn. 700	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line through hours precip. probably occurred unobserved. A.M. / P.M.	24-hr. amounts: Rain, Melted snow, etc. (Inches & hundredths)	Snow, Ice Pellets, Hail (Inches & tenths)	At obsn. Time precip. began and ended	Weather (Calendar Day): Mark X for all types occurring each day — Fog	Ice Pellets	Glaze	Thunder	Hail	Snow Drifting	Time of Obsn. if different from that usually taken	Important weather conditions not included in "Weather" block; remarks, etc.
1	77	66	67		.38										
2	83	56	57		0										
3	84	57	65		0										
4					0										
5	88	62	62		0										
6	93	62	62		0										
7	84	55	55		0										
8	74	49	49		0										
9	75	45	51		0										
10	80	51	60		0										
11	84	59	59		0										
12	86	59	61		0										
13	86	68	70	61	0										
14	85	65	65		0										
15	76	45	46		0										
16	69	38	38		0										
17	76	39	49	38	0										
18	74	49	51		0										
19	78	45	48		0										
20	80	45	45		0										
21	83	45	47		0										
22	84	52	58	47	0										
23	85	42	59		0										
24	85	54	55		0										
25	86	55	61		0										
26	85	51	62		0										
27	86	62	69		0										
28	82	65	66		0										
29	78	65	69		0										
30	85	65	65		.12										
31	80	65	65		0										
Sum	2468	1653			1.0 .3	0	X								
Av.	82	55													
Dep.	93	34			.38										

Observer Bay County Water Dept. Check ☐ when additional sheet is used for remarks

Post Office P.O. Box 1880 Panama City, Fla. 32401 List forms or supplies needed ____

Station ____ Month ____ 19 ____

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

Punched 20409

Panama City 2 NE

county Bay Panama City observation (local time) 11 a.m. city 0.7 E

month Nov 19 22

state Florida FLA 11 a.m. other times, temperature precipitation

Standard time in use CST

Date	TEMPERATURE °F 24 hrs. ending at observation Max.	Min.	At obsn. (L.S.T.)	PRECIPITATION Show a straight line for each 3 hours precipitation was observed, and a wiggly line for each 3 hours snow probably could have accumulated on ground. 00 06 12 18 00	24-hr. amounts Rain, Melted snow, etc. (Ins. & Hundredths)	Snow, Ice Pellets, Hail (Ins. & Tenths)	Sun's Rays Effective (Yes or No)	WEATHER CALENDAR DAY Mark X for all types occurring each day Fog	Ice Pellets	Glaze	Thunder	Hail	Drifting or Blowing Snow	Time of Beginning (Hours)	Time of Ending (Hours)	Important weather conditions not included in "Weather" block, remarks, etc.
1	80	54	57		0											
2	83	49	50		0											
3	93	42	48		0											
4	82	43	44		0											
5	81	44	50		0											
6	81	46	50		0											
7	80	50	66		0											
8	57	53	53		.22											
9	72	48	51													
10																
11	78	52	54		0											
12	80	46	47		0											
13	80	45	49		0											
14	77	48	60		0											
15	84	59	66		0											
16	83	52	60		0											
17	83	60	67		0											
18	81	67	69		0.51											
19	80	53	54		0											
20	79	53	57		0											
21	72	52	52		0											
22	75	52	57		0											
23	77	55	54		0											
24	76	44	50		0											
25	81	53	55	50	0											
26	76	44	50		0											
27	75	49	62	43	.59											
28	65	61	62		1.28											
29	67	62	66		.05											
30	77	65	69		.71											
31																
	2174	1584			3.29	0	X									

Bill Curtis Meteorologist

08-6842-1

Check ☐ when additional sheet is used for remarks

BEST COPY AVAILABLE

W.S. FORM — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — (REV. 9-71)

Station Panama City 5NE

County Bay

State Florida

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Time of observation (local time) if once daily _____

If at different times, temperature ___, precipitation ___

Month December 19 78

Standard time in use Central

Date	Temperature °F: 24 hr. ending at ___ observation — Max.	Min.	At obsn.	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a waved line (~) through hours precip. probably occurred unobserved. A.M. / P.M.	24 hr. amounts: Rain, melted snow, etc. (Inc. & hundredths)	Snow, Ice Pellets, Hail (Inc. & tenths)	At other times (Inc. & hundredths)	Weather Calendar (Mark ✓ for all types occurring each day): Fog	Ice Pellets	Glaze	Thunder	Hail	Snow or Sleet	Time of Obsn. if different from the above	Important weather conditions not included in "Weather" Daily remarks, etc.
Adjusted 1	74	55	55		.75										
2	70	46	55		0										
3	71	54	69		.03										
4	81	69	73		0										
5	80	44	44		.36										
6	62	36	42		0										
7	73	42	57		0										
8	82	57	69		0										
9	80	~~72~~	75	69	0										
10	76	29	30		.70										
11	48	29	33		0										
12	52	32	32		0										
13	58	28	29		0										
14	66	29	42		0										
15	61	33	35		0										
16	68	~~51~~	51	35	0										
17	74	51	52		0										
18	60	28	36		0										
19	67	30	57		0										
20	75	32	60		0										
21	77	59	59		.10										
22	68	38	37		.20										
23	63	31	39		0										
24	66	39	66		2.30										
25	70	38	40		.52										
26	60	32	33		0										
27	64	33	46		0										
28	48	40	41		0										
29	57	41	44		0										
30	65	44	56		0										
31	75	55	62		0										
Sum	2091	1297			5.46	0	X								
Avg	67.5	41.8													
Ext	82	28			2.80										

Observer Bay County Water Plant

Post Office 4400 Transmitter Road

Check ☐ when additional sheet is used for remarks

List forms or supplies needed _____

Station _____ Month _____ 19 ___

PLEASE! Be sure the station name is on this ●. An unidentified record is easily lost.

78-6842-1

W.S. F-10 U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMO[SPHERIC] ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Station Water Plant (Printing Office Site) — RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay — Time of observation (local time) if once daily 0700 ✓ — Month Jan 31 — 19 79

State Florida — Panama City — If at different times, temperature ____ precipitation ____ — Standard time in use CST

Form 1-2708

Date	TEMPERATURE °F: 24 hrs. ending at observation Max.	Min.	At obsn.	PRECIPITATION: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. (A.M. / P.M.)	24-hr amounts: Rain, Melted snow, etc. (Hundredths)	Snow, Ice Pellets, Hail (Tenths)	At obsn.	WEATHER CALENDAR (Mark 'X' for all types occurring each day): Fog	Ice Pellets	Glaze	Thunder	Hail	Blowing Snow	Time of obsn. different from that above	Important weather conditions not included in "Weather" block; remarks, etc.
1	75	37	64		0										
2	74	40	40		1.44										
3	41	19	19		0										
4	37	19	29		0										
5	51	28	35		0										
6	66	41	43	35	0										
7	70	34	62		1.33										
8	63	43	43		2.44										
9	46	24	24		0										
10	48	24	30		0										
11	52	29	40		0										
12	58	40	55		.35										
13	58	45	46		.02										
14	62	45	52		.01										
15	52	25	26		0										
16	56	29	32	26	0										
17	64	32	44		0										
18	72	45	52	44	T										
19	67	48	49		0										
20	71	48	66		0										
21	69	49	50		1.12										
22	52	29	29		.05										
23	51	29	38		0										
24	64	35	35		.39										
25	47	28	29		0										
26	44	29	35		0										
27	50	34	47		1.55										
28	54	34	35		T										
29	49	29	30		0										
30	43	30	34		0										
31	58	34	41		1.13										
Total	1764	1025			9.13	0	X								
Average	57	33			2.44										
Extreme	75	19													

Observer Bay County Water Dept. — Post Office 300 Jackson Street, Panama City, Fla.

Cancel ☐ when additional sheet is used for remarks — 2-2-79

List forms or supplies needed U.S. Form F-10

Station Bay County Water Plant — Month Jan 31 19 79

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost. 08-6842

W.S. FORM F- PANAMA CITY FAA

U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 8-71)

Station Panama City

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay — Time of observation (local time) if once daily 0700 — Month Feb 19 79

State Florida — at different times, temperature ____ precipitation ____ — Standard time in use CST

Day	TEMPERATURE °F: 24 hrs. ending at observation — Max.	Min.	At obsn.	PRECIPITATION: Draw a straight line (—) through hours precipitation was observed, and a curved line (⌒) through hours precip. probably occurred unobserved. A.M. 6 12 P.M.	24-hr. amounts: Rain, Melted snow, etc. (Hundredths)	Snow, Ice Pellets, Hail (Tenths)	Ice on ground was reported on this date	WEATHER (CALENDAR DAY): Mark 'X' for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of Obsn. if different from the other 3	Important weather conditions not included in 'Weather' block; remarks, etc.
1	47	27	27		0										
2	47	26	28		0										
3	56	28	48		0										
4	64	47	50		.45										
5	62	43	43		.22										
6	45	40	42		1.38										
7	64	44	54		1.22										
8	55	39	39		0										
9	53	35	42		0										
10	45	25	27		0										
11	55	25	29		0										
12	62	27	30		0										
13	64	30	40		0										
14	70	40	46		0										
15	64	45	47		0										
16	73	46	59		0										
17	74	41	42		0										
18	64	41	43		0										
19	44	34	35		0										
20	56	34	45		0										
21	65	45	60		.25										
22	69	60	60		.70										
23	69	60	65		.30										
24	75	61	62		1.23										
25	65	55	55		1.55										
26	56	40	41		0										
27	57	34	38		0										
28	65	37	43		0										
29															
30															
31															
Σ	1685	1006			7.31	0	X								
Av.	60	40													
Ext.	74	25			1.55										

CHECK ☐ when additional sheet is used for remarks

Last forms or supplies needed ____

Station ____ Month ____ / ____ 19 ____

Observer Bay County Water

Post Office 3400 Seasprite Ln Panama City, Fla 32401

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

W.S. FORM 1 — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 9-71)

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Station Panama City — Month Mar 19 79

County Bay — Time of observation (local time) if once daily 0700 — Standard time in use CST

State Fla — If at different times, temperature ____ precipitation ____

Date	TEMPERATURE °F: 24 hrs. ending at observation Max.	Min.	At obsn.	PRECIPITATION: Draw a straight line (—) through hours precipitation was observed, and a curved line (⌒) through hours precip. probably occurred unobserved. (12 midnight – 6 AM – 12 noon – 6 PM – 12 midnight)	24-hr amounts: Rain, Melted Snow, etc. (Incl. 8 hundredths)	Snow, Ice Pellets, Hail (Incl. 8 tenths)	Also (Time precip. began and ended)	WEATHER CALENDAR (Self): Mark 'X' for all types occurring each day: Fog, Ice Pellets, Glaze, Thunder, Hail, Blowing Snow	Time of obsn. if different from this block	Important weather conditions not included in "Weather" block, remarks, etc.
1	68	43	52		0					
2	69	43	51		0					
3	78	65	65	51						
4	70	51	67		.02					
5	70	48	48		0					
6	71	48	37	37 48	0					
7	62	35	37		0					
8	68	37	49		0					
9	67	34	36		0					
10	65	36	50		0					
11	72	44	46		.36					
12	63	36	41		0					
13	73	37	40		0					
14	72	40	64		0					
15	78	47	47		0					
16	69	39	50		0					
17	70	52	58	52	0					
18	75	47	53		0					
19	75	45	50		0					
20	75	47	51		0					
21	79	51	62		0					
22	85	55	58		.30					
23	72	58	67		.26					
24	73	51	53		0					
25	62	42	49		0					
26	59	31	34		0					
27	65	34	42		0					
28	71	39	46		0					
29	79	46	56		0					
30	77	52	61		0					
31	77	55	65		0					
Sum	2204	1352			1.94	0	X			
Av	80	37								
Cor.	71	44			1.02					

Observer Bay County Water Dept. — Post Office 3400 Jackson Blvd. P.C., Fla.

Check ☐ when additional sheet is used for remarks

List forms or supplies needed ____

Station ____ Month ____ 19__

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

PANAMA CITY

STATION (Climatological) Water Plant SNE (River Station, if different)
RIVER
TYPE OF RIVER GAGE
MONTH June 19 79
COUNTY Bay
TIME (local) OF OBSERVATION RIVER 0700 TEMPERATURE PRECIPITATION
STANDARD TIME IN USE
STATE Florida
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

WS FORM E-13 (10-71)

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 ___ P.M.	RIVER STAGE: TENDENCY	TEMPERATURE °F.: 24 HRS. ENDING AT OBSERVATION: MAX.	TEMPERATURE °F.: 24 HRS. ENDING AT OBSERVATION: MIN.	TEMPERATURE °F.: AT OBSN. 77	PRECIPITATION: Draw a straight line (-----) through hours precipitation was observed, and a wavy 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 12	PRECIPITATION: 24-HR AMOUNTS: Rain, melted snow, etc. (Use .0 for trace)	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets, hail (Use .0 for trace)	WEATHER (Calendar Day): At Obsn. Snow, ice pellets, hail, ice on ground (Use X)	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				85	71	72		0																	
2				88	67	68		0																	
3				92	66	77	68	0																	
4				89	66	78		0																	
5				89	65	70		0																	
6				88	69	73		0																	
7				88	68	72		0																	
8				91	68	72		0																	
9				95	70	75		.28																	
10				91	68	74		0																	
11				89	69	83		0																	
12				85	64	65		0																	
13				86	60	66		0																	
14				89	65	68		0																	
15				87	67	70		0																	
16				89	63	73		0																	
17				86	64	69		0																	
18				91	68	72		0																	
19				93	66	70		0																	
20				97	69	75		0																	
21				98	71	74		0																	
22				89	69	71		.02																	
23				87	71	72		0																	
24				90	70	72		0																	
25				89	69	74		0																	
26		91		90	70	71		.65																	
27				80	68	70		0																	
28				88	67	69		0																	
29				90	65	70		0																	
30				89	70	71		0																	
31																									
SUM				2652	2033			SUM 3.47	0	X															
CHECK BAR (For wire-weight) NORMAL CK BAR								Greatest 2.8																	

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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

SUPERVISING OFFICE

OBSERVER

STATION INDEX NO. 08-6842-1

W. S. FORM 1 — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 6-71)

RECORD OF CLIMATOLOGICAL OBSERVATIONS

Station Natchez Glass SNE
County Adams
State Miss Town or City Natchez

Time of observation (local time) if once daily 0700 Month July 19 79
If at different times, temperature ____ precipitation ____
Standard time in use CST

Date	Temperature °F: 24 hrs. ending at observation: Max.	Min.	At obsn. 7 AM	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. 12 M. TIME 12 M.	24-hr. amounts: Rain, Melted snow, etc. (Hundredths)	Snow, Ice Pellets, Hail (Tenths)	At obsn. (Inches on ground at observation time)	Weather Calendar Day: Mark "X" for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of Obsn. if different from one shown	Important weather conditions not included in "Weather" block, remarks, etc.
1	89	74	76		1.7										
2	93	68	75		0										
3	94	74	78		0										
4	95	71	74		.07										
5	95	74	80		0										
6	95	75	78		0										
7	91	71	73		0										
8	94	71	74		0										
9	90	71	73		.23										
10	89	70	72		.62										
11	84	71	75		.06										
12	86	74	76		3.30										
13	87	72	80		1.56										
14	91	76	82		0										
15	90	71	74		0										
16	95	69	73		.82										
17	90	72	74		.01										
18	87	72	75		.07										
19	86	72	76		1.08										
20	...	...	77		.23										
21	90	75	75		0										
22	91	76	77		0										
23	84	73	76		.03										
24	83	72	74		.84										
25	82	72	76		2.40										
26	78	69	75		.90										
27	89	70	72		0										
28	90	71	72		0										
29	89	73	74		0										
30	90	70	80		0										
31	91	74	79		.30										
Tot.	2678	2163			14.17		X								
Av.	89	72													
Ext.	95	68			3.30										

Observer Bill Counts/Walter
Post Office 3400 Andrew Ave Vidalia, La

Check ☐ when additional sheet is used for remarks
List forms or supplies needed ____
Station ____ Month ____ 19 ____

PLEASE! Be sure the station name is on this f... An unidentified record is easily ... 08-6842-1

STATION (Climatological) Water Plant SNE (River Station, if different) | MONTH Aug | 19 79

RIVER Panama City | TYPE OF RIVER GAGE | COUNTY Bay

TIME (local) OF OBSERVATION RIVER 0700 | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE CST

STATE Fla | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

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: Draw a straight line (——) through hours precipitation was observed, and a wavy 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	24-HR AMOUNTS: Rain, melted snow, etc. (Dec. 6 hours duplicate)	24-HR AMOUNTS: Snow, ice pellets, hail (Dec. 6 hours duplicate)	At Ob. Snow, ice pellets, hail, ice on ground (Dec. 6 hours duplicate)	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
1				90	73	78		.10									
2				87	73	76		.26									
3				90	71	74		0									
4				90	73	75		0									
5																	
6				90	72	73		.20									
7				93	70	76		0									
8				94	71	75		0									
9				94	72	75		0									
10				9[illegible]	74	76		.27									
11				86	69	73		.202									
12				87	71	78		.04									
13				85	67	70		0									
14				90	66	69		0									
15				92	66	71		0									
16				89	66	69		0									
17				92	68	74		0									
18				89	71	72		0									
19				91	70	71		.30									
20				95	70	74		0									
21				95	73	75		0									
22				91	71	74		.13									
23				90	68	72		2.14									
24				87	70	73		.76									
25				77	72	73		.20									
26				87	72	75		.60									
27				91	70	72		.50									
28				91	69	70		0									
29				87	69	73		0									
30				91	71	73		1.71									
31				95	72	74		.41									
SUM				X 101	2110	X		9.34	0	X							
								Greatest 2.02									

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

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 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. 08-6842-1

PANAMA CITY FLA

STATE Water Plant — MONTH Sept — 19 72

CITY Panama City — TYPE OF RIVER GAGE — COUNTY Bay

TIME (local) OF OBSERVATION 7 A.M. — TEMPERATURE — PRECIPITATION — STANDARD TIME IN USE 0700

STATE FLA — ELEVATION OF RIVER GAGE ZERO ft. — FLOOD STAGE ft. — NORMAL POOL STAGE ft.

FORM E-15 — 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 7 A.M.	RIVER STAGE: TENDENCY	TEMPERATURE °F: 24 HRS. ENDING AT OBSERVATION: MAX.	MIN.	AT OBSN.	PRECIPITATION: Draw a straight line (———) through hours precipitation was observed, and a wavy line (~~~~) through hours precipitation probable but not observed. 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	24-HR AMOUNT ending at Obs.: Rain, melted snow, etc. (Enter T for trace)	Snow, ice pellets, hail (Enter T for trace)	Snow, ice pellets, hail, rain on ground (Enter T for trace)	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				92	69	72		0.53																
2				89	71	72		0																
3				90	72	72		0																
4				93	72	75		0																
5				93	72	74		0																
6				90	73	77		0																
7				92	72	73		0																
8				93	68	71	68	0																
9				91	70	73		0																
10				89	72	73		0																
11				88	69	76		0																
12				88	69	78		0																
13				83	77	82		1.75																
14				87	74	75		0.01																
15				90	70	71		0																
16				97	72	77		0.61																
17				81	70	72		1.87																
18				85	71	74		0																
19				90	70	72		1.03																
20				90	70	74		0.01																
21				88	72	78		.77																
22				85	72	73		.35																
23				84	65	66		0																
24				81	64	66		0																
25				70	64	65		.27																
26				69	64	67		.32																
27				72	66	72		2.34																
28				81	71	72		1.42																
29				86	69	72		0.02																
30				86	60	62		0																
31																								
SUM		X		2593	2040	X		11.09	11.10	0	X													
				92	60			Greatest	2.34			Fog	Ice Pel.	Glaze	Thun.	Hail	Damag. Winds							

CHECK BAR (For wbn-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.

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

OBSERVER

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

STATION (Climatological) Tamarac City 5NE (River Station, if different) | MONTH Oct | YR 79

RIVER | TYPE OF RIVER GAGE | COUNTY Broward

TIME (local) OF OBSERVATION RIVER | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE 0700

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

NOAA FORM E-13 (10-71)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Published Data

DATE	RIVER GAGE: CONDITION	RIVER GAGE: GAGE READING AT ___ A.M.	RIVER GAGE: TENDENCY	TEMPERATURE °F.: 24 HRS. ENDING AT OBSERVATION: MAX.	MIN.	AT OBSN.	PRECIPITATION: 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	24-HR AMOUNTS: Rain, melted snow, and/or (Dec. & hund. inches)	Snow, ice pellets, hail (Dec. & tenths)	At Ob. Snow, ice pellets, hail, ice on ground (Dec. & tenths)	WEATHER (Calendar Day) MARK 'X' FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	DAMAGING WINDS	(Time of Occ., if different from above)	SPECIAL OBSERVATIONS OF PRECIPITATION & RIVER STAGES: DATE	TIME OF OBSERVATION	PRECIPITATION SINCE 7 A.M.	RIVER: STAGE	TENDENCY	CREST STAGE, DATE AND TIME, DEPTH OF SNOW OR ICE, STATE OF WEATHER AT TIME OF OBSERVATION
1				86	60	62		.40																
2				86	61	74		0																
3				86	56	58		0																
4				82	56	72		0																
5				44	21	52		0																
6				80	50	62		0																
7				84	50	52		0																
8				86	51	57		0																
9				83	56	75		0																
10				75	52	53		0																
11				M	M	M		0																
12				74	50	50		.40																
13				80	50	62		0																
14				84	53	53		0																
15				74	43	50		0																
16				79	57	61		0																
17				80	61	65		0																
18				86	64	65		0																
19				87	60	61		0																
20				85	64	65		0																
21				86	64	67		0																
22				86	63	65		0																
23				86	64	66		0																
24				68	47	47		.01																
25				73	41	44		0																
26				73	43	51		0																
27				77	44	50		0																
28				78	46	61		0																
29				81	56	63		0																
30				81	60	67		0																
31				85	65	74																		
SUM				2437	1642			.81	0	X	Fog	Ice Pel.	Glaze	Thun-der	Hail	Damag Winds								
								Greatest .41																

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 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. 08-6842-

W.B. FORM J — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE — REV. 9-71

Station Panama City, SNE — RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay — Time of observation (local time) if once daily 0700 — Month Nov 19 79

State Fla. Panama City — If at different times, temperature ____ precipitation ____ — Standard time in use CST

Date	Temperature °F 24 hrs. ending at observation Max.	Min.	At obsn. 79	Precipitation (Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precip. probably occurred unobserved. A.M. / P.M.) 24-hr amounts: Rain, Melted snow, etc. (No. & hundredths)	Snow, Ice Pellets, Hail (No. & tenths)	Weather Calendar (Mark 'X' for all types occurring each day: Fog, Ice Pellets, Glaze, Thunder, Hail, Damaging Wind)	Time of Obsn. if different from the other	Important weather conditions not included in "Weather" block; remarks, etc.
83	85	65	72	0				
2	82	66	68	0				
3	81	51	55	0				
4	78	47	49	0				
5	69	42	50	0				
6	75	48	54	0				
7	78	49	55	0				
8	75	42	52	0				
9	75	49	64	0				
10	79	64	71	0				
11	82	60	60	1.15				
12	71	58	59	.14				
13	73	49	51	0				
14	64	40	41	0				
15	63	36	39	0				
16	68	34	36	0				
17	72	38	40	0				
18	74	40	41	0				
19	74	43	45	0				
20	77	37	49	0				
21	78	47	55	0				
22	79	55	62	0				
23	80	54	68	.02				
24	76	60	61	1.00				
25	79	59	70	0				
26	76	45	47	.60				
27	70	43	45	0				
28	75	44	53	0				
29	78	33	39	.19				
30	51	29	31					
31								
Sum	2345	1432		3.10				
Av.	75	48		2.58	( )	X		
Ex.	85	29		1.15				

Observer Bay County Water System — Post Office 3480 Jackson Blvd Panama City, Fla. — Ground ret.

Fog / Ice Pellets / Glaze / Thunder / Hail / Damaging Wind — Check ☐ when additional sheet is used for remarks

List forms or supplies needed

Station ____ Month ____ 19__

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost. 0 Form 6842-1

STATION (Climatological) Alabama City 5 NE — COUNTY Dec — 19 72

RIVER — TYPE OF RIVER GAGE — COUNTY Etowah

TIME (local) OF OBSERVATION RIVER — TEMPERATURE 0700 — PRECIPITATION — STANDARD TIME IN USE 0700 CST

STATE Ala — ELEVATION OF RIVER GAGE ZERO ft. — FLOOD STAGE ft. — NORMAL POOL STAGE ft.

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. 7:30	PRECIPITATION: Draw a straight line (solid) through hours precipitation was observed, and a wavy line (sawtooth) through hours precipitation probably occurred unobserved. A.M. / NOON / P.M.	24-HR AMOUNTS OF PRECIPITATION: Rain, melted snow, etc. (liquid water content)	24-HR AMOUNTS OF PRECIPITATION: Snow, ice pellets, hail (liquid equivalent)	24-HR AMOUNTS OF PRECIPITATION: Snow, ice pellets, hail on ground (liquid equivalent)	WEATHER (Calendar Day): MARK "X" FOR ALL TYPES OCCURRING EACH DAY: Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Times of Obsn. if different from above
1				49	26	32							X				
2																	
3				57	34	35											
4								0									
5				62	30	34		0									
6				68	~~42~~	35	3.4	0.90									
7				70	~~54~~	55	.85	0.81									
8				67	37	39		0									
9				69	39	40		0									
10				68	45	47	1.0	0									
11				74	38	53		0									
12				77	53	57		0									
13				78	55	57		0									
14				78	62	63	.57	0.30									
15				65	55	56		0.73									
16				58	47	48		0.34									
17				63	42	43		0									
18				49	28	29		0									
19				56	26	28		0									
20				62	25	35		0									
21				63	34	42		0									
22				66	41	50	.50	0									
23				~~28~~ 72	~~54~~	70		0									
24																	
25				63	46	46		.27									
26				63	37	38		0									
27				65	31	32		0					X				
28				62	31	39		—									
29				70	37	50		—									
30				69	47	58		0.16									
31				59	44	44		0									
SUM				X921	1164	X		3.58	0	X							

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.

Greatest 0.90

CHECK BAR (For wire-weight) NORMAL CK BAR

READING | DATE

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

OBSERVER

Punched 20843

STATION (Full meteorological) Panama City 5 NE (River Station, if different)

MONTH Jan 19 80

NS FORM E-13 (8-71)

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

RIVER

TYPE OF RIVER GAGE

COUNTY Bay

TIME (local) OF OBSERVATION RIVER | TEMPERATURE | PRECIPITATION

STANDARD TIME IN USE CST

STATE Fla

ELEVATION OF RIVER GAGE ZERO ft.

FLOOD STAGE ft.

NORMAL POOL STAGE ft.

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: Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. (1 2 3 4 5 6 7 8 9 10 11 A.M. NOON 1 2 3 4 5 6 7 8 9 10 11 P.M.)	24-HR AMOUNTS: Rain, melted snow, etc. (Ins. & hundredths)	24-HR AMOUNTS: Snow, ice pellets, & sn (Ins. & tenths)	At Ca: Snow, ice pe here, hail, ice on ground (Ins.	WEATHER (Calendar Day) MARK "X" FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS	CLA. E	THUN ER	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				54	39	40		0																	
2				51	28	29		0																	
3				60	32	33	P	0																	
4				66	58	57	T	0.36																	
5				59	32	34		0.13																	
6				52	26	28		0																	
7				54	43	44		0																	
8				67	26	60		.04																	
9				67	59	60		.47																	
10				75	58	58		.24																	
11				72	56	64		0.01																	
12				67	52	53		0.98																	
13				64	54	55		0																	
14				55	46	47		0																	
15				68	41	43		0																	
16				69	43	47		0																	
17				70	47	63		0.04																	
18				70	61	63		0.16																	
19				75	49	52		0.23																	
20				75	43	45		0																	
21				73	44	46		0			X														
22				75	44	61		0																	
23				71	48	48		1.20						X											
24				52	27	30		0																	
25				58	50	50	T	0																	
26				65	49	65		0.23																	
27				68	57	59		1.60																	
28				60	45	47		—																	
29				65	39	49		0																	
30				67	42	45		0																	
31				69	45	53		0.46																	
SUM		X		2013	1383	X		SUM 6.17	0	X	1			2											
								Greatest 1.60																	

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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 non-weight) NORMAL CK BAR

HEADING	DATE

SUPERVISING OFFICE

OBSERVER

STATION INDEX NO. 08-6842 1

STATION (Meteorological) Panama City 5 NE (River Station, if different) | MONTH Feb | 19 80

RIVER | TYPE OF RIVER GAGE | COUNTY

TIME (Local) OF OBSERVATION RIVER | TEMPERATURE 7A | PRECIPITATION | STANDARD TIME IN USE CST 0700

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

Punched 51079

11's Cimate

FORM E-13 (10-71)

U. S. DEPT. 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	RIVER STAGE: TENDENCY	TEMPERATURE °F: 24 HRS. ENDING AT OBSERVATION: MAX.	MIN.	AT OBSN.	PRECIPITATION: 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 2 3 4 5 6 7 8 9 10 11	24-HR AMOUNTS: Rain, melted snow, etc. (Ins. & hund.ths.)	Snow, ice pellets, hail (Ins. & 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 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				57	26	27		0															
2				47	25	27		0															
3				43	~~27~~	31		0															
4				52	26	28		0															
5				55	24	32		0															
6				58	32	42		T															
7				56	30	32		0.15															
8				53	~~33~~	35		0															
9				60	~~49~~	49		0															
10				70	43	~~49~~		0.21															
11				44	30	32		0															
12				55	29	41		0															
13				49	41	44		0															
14				56	41	48		0															
15				68	43	51		0															
16				70	51	55		0															
17				67	31	32		0.10															
18				49	30	35		—															
19				60	30	32		0															
20				67	32	55		.02															
21				74	55	64		0			X												
22				76	61	65		0			X												
23				75	63	67		0			X												
24				76	65	66		0.05			X												
25				69	61	64		.41															
26				67	32	33		0															
27				51	27	32		0															
28				60	~~37~~	39		0															
29				66	~~58~~	59		0															
30																							
31																							
SUM				1752	1134			1.57															
CHECK BAR (For mid-month)			NORMAL CK BAR																				

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.

HEADING	DATE

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

OBSERVER

Punched [illegible]

STATION (Name and telegraphic) Panama City (River Station, if different) 5NE MONTH Oct 19 80

RIVER TYPE OF RIVER GAGE COUNTY Bay

TIME (local) OF OBSERVATION RIVER TEMPERATURE 7A PRECIPITATION STANDARD TIME IN USE CST 8100

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

FORM E-13 (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.	MIN.	AT OBSN.	PRECIPITATION: 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	24-HR AMOUNTS: Rain, melted snow, etc. (Incl. 8 hun. deaths)	Snow, ice pellets, hail (Incl. 8 months)	At Ob. Snow, ice pellets, hail, ice on ground (Incl. ✕)	WEATHER (Calendar Day) MARK 'X' FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	DAMAGING WINDS	From 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				74	50	58		0																		
2				78	57	60		0																		
3				65	63	64		.59																		
4				78	70	71	6PP	0																		
5				78	53	54		1.46																		
6				70	50	52		0																		
7				72	58	59		.42																		
8				67	56	60		.47																		
9				75	55	61		.24																		
10				75	49	63		T																		
11				76	48	60		T																		
12				82	58	72		T																		
13				75	61	72		.83																		
14				78	58	60		1.15																		
15				67	45	46		.02																		
16				70	42	58		.01																		
17				75	49	58		0																		
18				76	48	65		0																		
19				74	52	61		T																		
20				75	49	64		0																		
21				72	51	60		0																		
22				89	54	69		0																		
23				87	60	70		0																		
24				82	69	70		0																		
25				80	63	64		0																		
26				80	72	73	6PP	0																		
27				77	64	67	9PP	1.00																		
28				77	54	55		0																		
29				76	53	59		0																		
30				75	56	64		0																		
31																										
SUM				2370	2241			SUM 8.04	0	X																
								Greatest 1.59																		

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

CHECK BAR (For mid-night) NORMAL CK BAR

HEADING 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

OBSERVER

STATION INDEX NO. 08-6842-1

W.S. FORM F-10 U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 9-71)

Site Panama City SAE

RECORD OF CLIMATOLOGIC OBSERVATIONS

County Bay

Time of observation (local time) if once daily 7 a.m.; Month May 19 80

State Florida

If at different times, temperature ____, precipitation ____; Standard time in use CST

Date	Temperature °F: 24 hrs. ending at observation — Max.	Min.	At obsn. (GT)	Precipitation: Draw a straight line (—) through hours precipitation was observed, and a waved line (~) through hours precip. probably occurred unobserved.	24-hr. amounts: Rain, Melted snow, etc. (Nearest hundredth)	Snow, Ice Pellets, Hail (Nearest tenth)	At obsn. time (Snow, Ice Pellets, Hail on ground)	Weather Calendar (Mark "X" for all types occurring each day): Fog	Ice Pellets	Glaze	Thunder	Hail	Blowing Spray	Time of beginning (if different) from this date	Important weather conditions not included in "Weather" block, remarks, etc.
1	78	65	66		.56										
2	76	58	59		.41										
3	81	61	62		0										
4	77	65	66		0										
5	82	56	57		0										
6	83	55	69		0										
7	[illegible]				T										
8	84	68	70		.15										
9	83	59	60		.63										
10	77	53	56		.05										
11	78	57	60		T										
12	81	58	65		0										
13	83	61	65		0										
14	82	64	70		0										
15	85	49	68		.64										
16	83	66	72		0										
17	82	66	75		0										
18	77	64	67		.65										
19	82	67	73		0										
20	85	72	74		.08										
21	83	64	68		0										
22	87	70	71		1.00										
23	82	75	76		T										
24	81	70	71		.56										
25	84	71	72		0										
26	85	65	71		0										
27	[illegible]														
28	82	67	70		0										
29	88	67	69		0										
30	88	64	67		0										
31	86	63	70		0										
1—	548	1843	—		5.36	( )	X								
2—	83	64	—	Observer Bay County Water											
3—	88	48	—	Post Office Panama City Fla	1.00										

Check ☐ when additional sheet is used for remarks

List forms or supplies needed ____

Station ____ Month ____ 19 ____

3401

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-

W.S. FORM — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE (REV. 9-71)

Station Panama City

RECORD OF CLIMATOLOGICAL OBSERVATIONS

County Bay

State Florida

Time of observation (local time) if once daily 0700

If at different times, temperature 7a precipitation 7p

Month June 1982

Standard time in use C.S.T.

Date	TEMPERATURE °F: 24-hr. ending at observation Max.	Min.	At obs.	PRECIPITATION: Draw a straight line through hours precipitation was observed, and a wavy line through hours precip. probably occurred unobserved. (12 M. / A.M. / P.M.)	24-hr amounts: Rain, Melted snow, etc. in hundredths	Snow, Ice Pellets, Hail, etc. in tenths	Ice on ground (1 if yes, 0 if no, if not reported)	WEATHER CALENDAR DAY: Mark 'X' for all types occurring each day: Fog	Ice Pellets	Glaze	Thunder	Hail	Tornado	Time of obs. if different from the one used	Important weather conditions not included in "Weather" block, remarks, etc.
1	88	68	69		0										
2	86	69	70		0										
3	88	62	69		0										
4	89	67	74		0										
5	94	70	75		0										
6	96	71	26		0										
7	92	67	71												
8	90	70	76												
9	90	75	76		0										
10	92	65	68		0										
11	90	57	71		0										
12	94	62	73												
13	97	67	73		0										
14	93	67	72												
15	97	70	23												
16	90	65	73												
17	90	70	75		0										
18	92	72	75		0										
19	88	68	72		.13										
20	90	72	74		.15										
21	87	71	72		.15										
22	90	70	75		0										
23	87	71	27		.39										
24	88	69	73		.72										
25	88	70	22		3.39										
26	86	71	71		1.35										
27	79	72	23		.10										
28	89	74	25		0										
29	88	70	71		3.22										
30	83	69	81		.48										
31															
	2681	2063													
	89	69													
	97	57													

Observer Bay County Wscr

Post Office 3400 TRANSCONTINENTAL PANAMA CITY

Sum 10.08 ( ) X

Mean 3.39

Check ☐ when additional sheet is used for remarks

List forms or supplies needed

Station _____ Month _____ 19__

PLEASE! Be sure the station name is on this form. An unidentified record is easily lost.

08-6842-1

Punched 72086

STATION (Full name) WBH. AIRPORT, PANAMA CITY
RIVER — TYPE OF RIVER GAGE — COUNTY BAY
MONTH July 19 80
TIME (local) OF OBSERVATION 0700 — RIVER TEMPERATURE — PRECIPITATION 7/4 — STANDARD TIME IN USE CST 0700
STATE FLA — ELEVATION OF RIVER GAGE ZERO Ft. — FLOOD STAGE Ft. — NORMAL POOL STAGE Ft.

FORM E-13
U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

Panama City Fl.
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: Draw a straight line (——) through hours precipitation was observed, and a wavy 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)	24-HR AMOUNTS: Rain, melted snow, etc. (Inc. & hundredths)	24-HR AMOUNTS: Snow, ice pellets, hail (Inc. & tenths)	WEATHER (Calendar Day): At Obsn.	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				94	69	79		0															
2				96	66	76		0															
3				95	72	77		0															
4				93	73	77		0															
5				92	72	75		0															
6				94	73	80		0															
7				94	73	75		0															
8				97	72	77		0															
9				97	72	75		0															
10				95	71	75		0															
11				96	75	79		0															
12				97	74	84		0															
13				92	71	76		0															
14				91	69	80		0															
15				94	74	74		0															
16				96	75	77		0															
17				94	75	75		0															
18				95	76	77		0															
19				96	72	75		0															
20				90	76	76		.22															
21				87	69	75	T T T	.74															
22				92	71	74		.09															
23				90	70	74		.02															
24				89	73	75		2.69															
25				91	74	73		2.96															
26				87	75	76		.12															
27				87	74	74		1.83															
28				97	71	72		.01															
29				92	70	75		.04															
30				90	69	72		.16															
31				93	74	74		0															
SUM				2896	2325																		
SUM								10.11	0	X													
Greatest								2.96															

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

CHECK BAR (For autoweighs) 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: BAY County WATER System, 3400 TRANSMITTER, PANAMA City, Fla

OBSERVER

STATION INDEX NO. 08-6842-1

BEST COPY AVAILABLE

STATION (Name of city or airport): Panama City | (Record Station, if different): SNE | MONTH: AUG | 19 80

RIVER: | TYPE OF RIVER GAGE: | COUNTY: BAY

TIME (local) OF OBSERVATION: RIVER 0700 | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE: CST

STATE: Fla | ELEVATION OF RIVER GAGE ZERO: ft. | FLOOD STAGE: ft. | NORMAL POOL STAGE: ft.

WS FORM E-15 (11-71)

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. 7A	PRECIPITATION: 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)	PRECIPITATION: 24-HR AMOUNTS: Rain, melted snow, etc. (Tots. & hund.-ths)	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets, hail (Tots. & tenths)	At Ob. Time: Snow, ice pellets, hail, ice on ground (Yes or No)	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				91	71	73																		
2				90	71	78		0																
3				91	73	75		0																
4				91	72	76		0																
5				92	71	74		0																
6				95	74	77		0																
7				96	73	75		0																
8				95	74	78		0																
9				95	70	75		0																
10				93	70	74		.10																
11				92	72	76		0																
12				90	70	72		1.30																
13				94	73	80		0																
14				93	73	75		.46																
15				90	74	75		2.29																
16				82	72	73		.36																
17				90	71	72		0																
18				93	73	74		0																
19				93	70	76		0																
20				95	74	75		0																
21				95	75	80		.57																
22				97	74	75		.67																
23				96	72	73		0																
24				95	73	73		0																
25				91	70	71		0																
26				90	67	69		0																
27				89	69	72		0																
28				94	70	74		0																
29				90	65	70		0																
30				92	64	73		0																
31				93	68	70		2.05																
SUM				X 2855	2220	X		7.80	0	X														
Greatest								2.29																

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 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

08-8442-1

STATION (Name and telegraph call) Panama City, Water Plant Site | Office Station, if different | MONTH Sept | 19 89

RIVER | TYPE OF RIVER GAGE | COUNTY Bay

TIME (local) OF OBSERVATION RIVER 0700 | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE 0700 CST

STATE Fla | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

FORM E-17 (10-71)

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: Draw a straight line (-----) thru 2 hours over which rain was observed, a bent line (/\/\/) thru 3 hours over which rain was observed, and a wavy line (~~~) thru 4 hours over which 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	PRECIPITATION: 24-HR AMOUNTS: Rain, melted snow, and/or other liquid (Incl. 8 hundredths)	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets, hail (Incl. 8 tenths)	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets, hail, and/or ice on ground (Incl. 8 tenths)	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 STAGE: 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				93	70	71		.15																
2				85	70	70		.16																
3				90	70	73		0																
4				92	69	75		0																
5				95	70	71		0																
6				94	69	72		0																
7				95	70	72		0																
8				94	69	72		0																
9				92	70	71		0																
10				93	70	71		0																
11				90	69	70		.30																
12				89	69	70		.04																
13				92	68	68		0																
14				91	68	71		0																
15				93	25	70		0																
16				93	70	24		0																
17				90	72	74		.25																
18				80	71	73		1.94																
19				84	72	73		.72																
20				84	72	72		.23																
21				92	72	73		0																
22				90	73	73		0																
23				95	70	72		.14																
24				90	70	72		.30																
25				96	70	73		0																
26				90	69	71		0																
27				94	70	72		0																
28				93	71	75		0																
29				89	72	73		0																
30				90	72	73		.13																
31								—																
SUM				2727	2048			4.89	( )		Fog	Ice Pel.	Glaze	Thun.	Hail	Dmgg.								
								Greatest 1.94																

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

CHECK BAR (For non-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

OBSERVER

STATION INDEX NO. 08-6842-1

STATION (Name of city, town or locality, and State. If Airport, Weather Station, or Cooperative Station, so state.) Water Plant PFN Panama City FAA Airport WSO

MONTH Oct 19 80

FORM E-13 (1-71)

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

Panama City
RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

RIVER: —

TYPE OF RIVER GAGE: —

COUNTY: Bay

TIME (local) OF OBSERVATION: RIVER 7:00 | TEMPERATURE | PRECIPITATION

STANDARD TIME IN USE: CST

STATE: Fla

ELEVATION OF RIVER GAGE ZERO: — Ft.

FLOOD STAGE: — Ft.

NORMAL POOL STAGE: — 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.	TEMPERATURE °F: AT OBSN.	PRECIPITATION: Draw a straight line (——) through hours precipitation was observed, and a wavy 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	PRECIPITATION: 24-HR AMOUNTS: Rain, melted snow, etc. (Inc. & hun. dredths)	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets, hail (Inc. & tenths)	At Ob. Snow, ice pellets, hail, ice on ground (Inc.)	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: RIVER STAGE	RIVER TENDENCY	CREST STAGE, DATE AND TIME, DEPTH OF SNOW OR ICE, STATE OF WEATHER AT TIME OF OBSERVATION
1				83	66	66		.60												
2				72	64	66		.05												
3				84	64	67		0												
4				80	50	51		0												
5				74	49	58		0												
6				77	50	54		0												
7				75	50	51		0												
8				77	48	49		0												
9				83	50	51		0												
10				86	54	55		0												
11				86	59	60		0												
12				88	53	54		0												
13				76	46	47		0												
14				78	45	50		0												
15				82	50	62		0												
16				85	65	64		0												
17				86	67	68		0												
18				86	70	69		0												
19				85	69	70		.56												
20				85	61	62		.47												
21				73	58	58		0												
22				76	58	60		.02												
23				75	59	66		.07												
24				75	61	61		.16												
25				70	49	50		0												
26				67	37	44		0												
27				72	41	54		0												
28				79	55	65		2.01												
29				69	62	63		.62												
30				68	59	61		.49												
31				70	53	57		0												
SUM				X 2425	1719	X	SUM	5.04	(T)	X										
CHECK BAR (For mid-month) NORMAL CK BAR							Greatest	2.0												

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

HEADING

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

08-6842-1

Punched 48403

STATION (City, Hall) Winter Haven, Ruskin City 3 NE (Other Station, if different) MONTH Nov 1980

RIVER — TYPE OF RIVER GAGE — COUNTY Clay

TIME (Local) OF OBSERVATION RIVER 0700 — TEMPERATURE — PRECIPITATION — STANDARD TIME IN USE CST 0600

STAGE ft — ELEVATION OF RIVER GAGE ZERO ft — FLOOD STAGE ft — NORMAL POOL STAGE ft

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. 7 A.M.	PRECIPITATION: Draw a straight line (connect) through hours precipitation was observed, and a wavy 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)	24-HR AMOUNTS: Rain, melted snow, etc. (Inc. & hundredths)	24-HR AMOUNTS: Snow, ice pellets, hail (Tens, & tenths)	At Ob. Snow, ice pellets, Sleet, ice on ground (Inches)	WEATHER (Calendar Day) MARK "X" FOR ALL TYPES OF OCCURRING EACH DAY: FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	DAMAGING WINDS	Time of Occurrence if different from above
1				68	40	50		0									
2				75	43	54		0									
3				80	52	62		0									
4				81	60	61		.01									
5				70	34	40		0									
6				70	40	41		0									
7				73	47	48	AM	0									
8				77	48	49		0									
9				80	48	50		0									
10				81	51	46	AM 0	0									
11				80	58	59		0									
12				68	47	49		0									
13				71	51	52		0									
14				75	59	60		0									
15				75	66	66		.30									
16				81	66	67		0									
17				72	67	68		0									
18				71	49	52		.03									
19				56	38	39		0									
20				57	34	39		0									
21				66	33	40		0									
22				64	53	49		0									
23				64	47	62		0									
24				73	68	65		.32									
25				66	45	48		0									
26				65	47	52		0									
27				64	51	53		.97									
28				53	33	40		0									
29				55	30	35		0									
30				65	50	53		0									
31																	
SUM		X		2103	1414	X		SUM 2.68	C	X							
								Greatest 1.32									

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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. Flood stage.

CHECK BAR (For non-record) NORMAL CK BAR

RELEASED — DATE

SUPERVISING OFFICE

OBSERVER

STATION INDEX NO. 08-6842.1

STATION (City or Town) Water Plt. (Post Office) Panama City (River Station, if different) SNE

MONTH Dec. 19 80

RIVER — TYPE OF RIVER GAGE — COUNTY Bay

TIME (local) OF OBSERVATION RIVER 0700 — TEMPERATURE — PRECIPITATION — STANDARD TIME IN USE CST

STATE Fla. — ELEVATION OF RIVER GAGE ZERO ft. — FLOOD STAGE ft. — NORMAL POOL STAGE ft.

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. (Incl. 8 hun. drizzle)	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets, hail (Incl. 8 hun. drizzle)	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets, hail on ground at 7 A.M.	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				68	34	37	0																
2				70	36	50	0																
3				76	48	48	0																
4				62	33	39	0																
5				70	34	46	0																
6				74	46	48	0																
7				77	45	46	0																
8				76	43	48	0																
9				75	48	60	0																
10				77	60	64	0																
11				72	39	39	.04																
12				60	32	33	0																
13				68	34	36	0																
14				64	42	42	0																
15				66	30	32	.18																
16				65	38	49	0																
17				64	40	46	0																
18				58	29	32	0																
19				64	31	47	0																
20				71	44	45	0																
21				54	43	47	0																
22				49	37	39	0																
23				46	38	38	.23																
24				64	34	46	0																
25				62	34	35	1.25																
26				45	28	31	0																
27				51	30	32	.08																
28				45	30	35	0																
29				55	34	50	0																
30				66	46	42	0																
31				55	28	28																	
SUM			X	1985	1129	X																	

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

	SUM	Greatest
Rain, melted snow, etc. (Incl. 8 hun. drizzle)	1.68	.27
Snow, ice pellets, hail (Incl. 8 hun. drizzle)	T	
Snow, ice pellets, hail on ground at 7 A.M.	X	

Fog	Ice Pel.	Glaze	Thun-der	Hail	Damag-ing winds

CHECK BAR (For microweights) NORMAL CK BAR

HEADING — 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

OBSERVER

STATION INDEX NO. 08-6842.1

Punched 60456

STATION (Geographic) Panama C. Ty. Water Plant (River Station, if different) | MONTH Jan | 19 81

RIVER | TYPE OF RIVER GAGE STVE | COUNTY Bay

TIME (Local) OF OBSERVATION RIVER 0700 | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE CST 0700

STATE Fla | ELEVATION OF RIVER GAGE ZERO | FLOOD STAGE | NORMAL POOL STAGE

FORM E-13 (7-71)

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: PLACE READING AT ___ A.M.	RIVER STAGE: TENDENCY	TEMPERATURE °F: 24 HR. ENDING AT OBSERVATION: MAX.	MIN.	AT OBS. TIME	PRECIPITATION: 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	24-HR AMOUNTS: Rain, melted snow, ice, (Hundredths)	Snow, ice pellets, hail (Tenths)	WEATHER (Code for Days): Obs. Time	Snow, ice pellets, hail, ice (on ground)	FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	DAMAGING WINDS	Time of Obs., if different from above
1				57	34	53		0										
2				66	36	37		0										
3				60	26	27		0										
4				64	38	39		0										
5				44	30	32		0										
6				50	27	35		0										
7				62	35	49		.37										
8				52	26	27		0										
9				54	30	32		0										
10				58	33	34		0										
11				54	27	28		0										
12				51	31	26		0										
13				42	13	15		0										
14				49	15	32		0										
15				60	32	36		0										
16				65	32	37		0										
17				60	30	32		0										
18				47	27	28		0										
19				57	26	30		0										
20				63	31	43		.32										
21				60	45	45		0										
22				51	41	41		0										
23				50	31	35		0										
24				55	29	32		0										
25				60	29	35		0										
26				67	35	40		0										
27				67	36	49		0										
28				67	49	55		1.15										
29				62	31	33		0										
30				66	38	40		0										
31				68	47	58		0										
SUM				1809	1074			1.85	0									
Greatest								1.15										

SPECIAL OBSERVATIONS OF PRECIPITATION & RIVER STAGES

DATE	TIME OF OBSERVATION	PRECIPITATION SINCE 7 A.M.	RIVER: STAGE	RIVER: TENDENCY	FIRST STAGE, DATE AND TIME, DEPTH OF SNOW OR ICE, STATE OF WEATHER AT TIME OF OBSERVATION

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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 IF (or more than) NORMAL CK BAR

HEADING | DATE

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

OBSERVER

Punched 72085

STATION (Climatological) Panama City, Water Plant (River Station, if different) MONTH Feb 1981

RIVER | TYPE OF RIVER GAGE | COUNTY Bay

TIME (local) OF OBSERVATION IN RIVER 0700 | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE CST 0700

STATE Fla | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

NS FORM E-11 (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: 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	24-HR AMOUNTS: Rain, melted snow, etc. (Incl. 8 hour totals)	24-HR AMOUNTS: Snow, ice pellets, hail (Incl. 8 totals)	At Obs.: Now, ice pellets, hail, ice on ground/flat	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
1				53	49	52		0										
2				78	40	42		.52										
3				53	25	27		0										
4				54	25	28		0										
5				54	31	33		0										
6				58	41	42		.45										
7		11		51	42	52		.50										
8				58	83	05		.40										
9				54	37	57		0										
10				65	32	62		0										
11				70	51	52		3.27										
12				61	23	25		0										
13				45	25	37		0										
14				53	36	46		0										
15				62	41	57		.17										
16				59	53	60		T										
17				70	58	63		.50										
18				67	42	53		1.40										
19				73	49	54		0.82										
20				72	53	58		0										
21				76	41	43		0										
22				77	42	61		0										
23				76	41	42		1.08										
24				66	39	41		0										
25				72	40	46		0										
26				73	50	51		0										
27				59	46	47		0										
28				82	45	46		0										
29																		
30																		
31																		
SUM		X		1965	1174	X		5.84	1	X								
Greatest								5.27										

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

CHECK BAR (For morning reading) 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

OBSERVER

STATION INDEX NO. 08-6842-1

STATION (Climatological) Panama City | (River Station, if different) | MONTH March | 19 81

RIVER | TYPE OF RIVER GAGE | COUNTY Bay

TIME (Hour) OF OBSERVATION RIVER 0700 | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE CST

STATE Fla | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

FORM E-13 (10-51)

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. 7:30	PRECIPITATION: Draw a straight line (—) through hours precipitation was observed, and a wavy 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	PRECIPITATION: 24-HR AMT. (Rain, melted snow, ice, (Incl. Dec. & Jan. data)	PRECIPITATION: 24-HR AMT. (Snow, ice pellets, hail (Incl. Dec. & Jan. data)	PRECIPITATION: AT OBS. (Snow, ice pellets, hail, ice on ground (Incl. Dec. & Jan. data)	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
1				76	59	61		0									
2				73	66	65		0									
3				75	41	43		0									
4				71	43	53		0									
5				69	66	66		.87									
6				72	46	47		0									
7				68	54	52		0									
8				65	47	48		0									
9				64	43	43		0									
10				70	40	42		0									
11				67	43	47		0									
12				69	44	49		0									
13				70	45	53		0									
14				70	39	41		0									
15				73	37	42		0									
16				72	42	56		.07									
17				72	33	39		0									
18				65	40	62		0									
19				73	42	43		0									
20				60	42	47		0									
21				65	38	58		0									
22				69	51	52		1.25									
23				69	48	49		.28									
24				56	37	45		0									
25				63	36	46		0									
26				69	40	42		0									
27				74	48	50		0									
28				76	33	54		0									
29				81	65	62		0									
30				75	69	67		.81									
31				80	58	66											
SUM				2176	1776			5.13		X	8	22		24	7	3	
Greatest								2.8"									

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 ON ICE, STATE OF WEATHER AT TIME OF OBSERVATION

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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.
* Pool stage.

CHECK BAR (For more-than-eight) NORMAL CK BAR

HEADING | DATE

SUPERVISING OFFICE

STATION INDEX NO. 08-6840-1

OBSERVER

Punched 6068

STATION (Climatological) Panama City Water Plant SWE (Airport Station, if different)

MONTH April 19 81

RIVER

TYPE OF RIVER GAGE

COUNTY Bay

TIME (local) OF OBSERVATION RIVER

TEMPERATURE

PRECIPITATION

STANDARD TIME IN USE CST

STATE Fla

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

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, etc. on ground (Ins. & tenths)	WEATHER (Calendar Day): At Ob. Time of Obsn. (Ins. of Obsn. if different from above)	WEATHER (Calendar Day): MARK "X" FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	DAMAGING WINDS
1				78	65	72	0									
2				75	56	58	0									
3				83	54	55	0									
4				74	60	62	0									
5				79	70	71	0									
6				75	51	53	.10									
7				74	40	54	.00									
8				76	51	59	0									
9				77	54	63	0									
10				79	58	61	0									
11				84	59	66	0									
12				79	54	62	0									
13				81	55	63	0									
14				85	55	66	0									
15				89	58	70	0									
16				90	62	65	0									
17				90	57	66	0									
18				80	57	62	0									
19				85	55	67	0									
20				83	57	74	0									
21				82	69	72	0									
22				87	62	64	0									
23				82	63	64	0									
24				81	68	69	0									
25				82	59	60	0									
26				81	60	61	0									
27				84	55	56	0									
28				85	49	54	0									
29				83	56	61	0									
30				83	20	71	0									
31																
SUM				X2441	1746	X	1.10		X							
Greatest							.10									

Hrs. of Occ.

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 (If non-recording) NORMAL CK BAR

HEADING

DATE

SUPERVISING OFFICE

STATION INDEX NO. 08-5342-1

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

OBSERVER

FORM E-13
(10-71)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (City and full name) Water Plant (Oklahoma City SWB) (Other Station, if different)
MONTH May 19 81
RIVER
TYPE OF RIVER GAGE
COUNTY Day
TIME (Local) OF OBSERVATION RIVER 0700 TEMPERATURE PRECIPITATION
STANDARD TIME IN USE CST
STATE Okla.
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE 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.	TEMPERATURE °F: AT OBSN.	PRECIPITATION: Draw a straight line (———) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M. NOON P.M.	24-HR AMOUNTS: Rain, melted snow, etc. (Hundredths)	24-HR AMOUNTS: Snow, ice pellets, hail (Tenths)	WEATHER (Calendar Day): At Obs. MARK 'X' FOR ALL TYPES OCCURRING EACH DAY: Snow, ice pellets, hail, rain on ground (Flurries)	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				87	69	72		0															
2				84	61	62		0															
3				74	49	55		0															
4				78	58	58		0															
5				85	49	65		0															
6				82	61	64		1.76															
7				81	64	65		.06															
8				81	61	63		0															
9				81	55	67		0															
10				81	56	63		0															
11				79	59	61		0															
12				75	46	52		0															
13				79	49	55		0															
14				83	50	59		0															
15				91	57	68		0															
16				91	55	57		0															
17				79	55	61		0															
18				87	53	54		0															
19				85	57	70		0															
20				84	62	71		.22															
21				82	55	56		0															
22				80	55	56		0															
23				85	60	61		0															
24				82	59	60		0															
25				87	52	65		0															
26				87	64	70		.02															
27				79	69	75		.42															
28				83	63	65		0															
29				87	65	66		0															
30				89	68	69		0															
31				90	68	70		0															
SUM				2677	1806			2.43	1	X													
								Greatest 1.76			Fog	Ice Pel.	Glaze	Thun-der	Hail	Damag. Winds							

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

CHECK BAR (For machine sort) NORMAL CK BAR

HEADING | 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. 08-5840-1

OBSERVER

Printed 03350

STATION (City or town) Water Plant (River Station, if different) SWC MONTH June 19 81

River Panama City TYPE OF RIVER GAGE COUNTY

TIME (local) OF OBSERVATION RIVER 0700 TEMPERATURE PRECIPITATION STANDARD TIME IN USE CST

STAGE Fla ELEVATION OF RIVER GAGE ZERO ft. FLOOD STAGE ft. NORMAL POOL STAGE ft.

E-13 U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE

Panama City
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: Draw a straight line (———) through hours precipitation was observed, and a wavy 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	24-HR AMOUNTS: Rain, melted snow, etc. (Incl. d hun. drnths)	24-HR AMOUNTS: Snow, ice pellets, hail (Incl. tenths)	Ob. Snow, ice pellets, hail, ice on ground (Incl. tenths)	WEATHER (Calendar Day) MARK 'X' FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	DAMAGING WINDS	Times of Obsn. if different from above
1				87	67	68		0									
2				89	61	76		0									
3				90	69	22		.11									
4				90	70	25		0									
5				92	72	25		0									
6				91	73	81		0									
7				90	78	82		0									
8				91	76	82		.48									
9				89	76	81		.07									
10				91	90	91		0									
11				92	76	81		0									
12				92	72	25		.18									
13				90	74	85		0									
14				94	70	25		0									
15				93	70	25		0									
16				98	73	75		.18									
17				99	75	80		0									
18				100	74	90		0									
19				99	71	25		0									
20				99	74	79		0									
21				96	73	78		0									
22				95	72	79		0									
23				96	75	80		0									
24				96	69	72		.76									
25				92	71	74		.20									
26				95	75	26		0									
27				95	72	23		.30									
28				92	23	74		0									
29				93	27	69		1.45									
30				90	66	73		0									
31																	
SUM				2793	2164			3.73	1.1	X							
Greatest								1.45									

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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 non-zero) NORMAL CK BAR

READING	DATE

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

OBSERVER

Punched 92597

STATION (City or Airport) Panama City Water Plant SNE (River Station, if different) MONTH July 19 81

RIVER TYPE OF RIVER GAGE COUNTY Bay

TIME (local) OF OBSERVATION 0700 RIVER TEMPERATURE PRECIPITATION STANDARD TIME USED CST

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

WB FORM E-13
TI

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: Draw a straight line (———) through hours precipitation was observed, and a wavy 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)	24-HR AMOUNTS: Rain, melted snow, etc. (Ins. & hundredths)	24-HR AMOUNTS: Snow, ice pellets, hail (Ins. & tenths)	At Ob. Time: 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
1				92	65	73		0										
2				89	70	72		.08										
3				77	70	71		.35										
4				77	69	73		1.42										
5				85	71	74		.43										
6				88	72	79		.43										
7				89	69	72		0										
8				94	72	79		0										
9				97	72	80		.08										
10				91	73	76		T										
11				93	70	75		0										
12				90	72	76		0										
13				94	74	78		0										
14				98	70	80		.63										
15				98	76	79		0										
16				99	80	81		0										
17				97	82	83		.71										
18				97	81	81		0										
19				98	80	81		0										
20				90	72	73		1.00										
21				85	72	78		.36										
22				86	73	77		0										
23				91	75	75		.81										
24				91	75	76		0										
25				92	75	78		.5										
26				92	74	75		.8										
27				92	72	74		.30										
28				92	73	74		0										
29				95	70	76		0										
30				92	75	78		0										
31				86	73	76		.22										
SUM				827	2267			8.10	0	X								
								Greatest										

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

OBSERVER

CHECK BAR (For mid-month) NORMAL CK BAR

HEADING	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. 08-6842-1

STATION (Regular) Water Plant, Arroyo City SWE (River Station, if different)
RIVER
TYPE OF INSTALLATION
MONTH August
COUNTY Bay
TIME (local) OF OBSERVATION RIVER 0700 TEMPERATURE PRECIPITATION
STANDARD TIME IN USE CST
STATE Fla
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

FORM E-13 (1-77)

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

1981

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: Rain, melted snow, etc. (Ins. & hundredths)	PRECIPITATION: Snow, ice pellets, hail (Ins. & tenths)	PRECIPITATION: Snow, ice pellets, hail, ice on ground (Ins.)	WEATHER (Calendar Day): FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	DAMAGING WINDS	Time of Obsn. if different from above
1				86	74	76	.54									
2				80	70	74	1.93									
3				87	70	74	.95									
4				89	72	74	.27									
5				88	71	74	.12									
6				87	72	76	.03									
7				90	74	77	.95									
8				91	75	78	.10									
9				87	60	75	.10									
10				90	75	75	.10									
11				92	70	72	0									
12				92	71	72	.14									
13				91	71	73	1.94									
14				91	72	73	.11									
15				94	72	73	0									
16				93	72	73	0									
17				92	74	73	0									
18				95	71	75	0									
19				94	72	74	0									
20				90	74	75	.30									
21				81	72	73	.55									
22				83	72	73	.3									
23				82	72	73	.91									
24				83	66	68	0									
25				87	66	69	0									
26				91	69	70	0									
27				89	70	73	0									
28				80	73	76	.05									
29				90	72	74	0									
30				87	74	76	.65									
31				84	71	73										
SUM			X	2237	2142	X	9.23		X							
Greatest							1.93									

Fog | Ice Pel. | Glaze | Thun. | Hail | Damag. Winds

PRECIPITATION: 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

24-HR AMOUNTS

AT OBSN. MARK "X" FOR ALL TYPES OCCURRING EACH DAY

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.

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

We are completely out of this form — E-15 (10-77)
We do need some more forms

CHECK BAR (For water-weights) NORMAL CK BAR

READING	DATE

SUPERVISING OFFICE

OBSERVER

STATION INDEX NO. 08-8842-1

STATION (City and State) Water Plant SNE | COUNTY Bay | Sept 19 81

RIVER | TYPE OF RIVER GAGE | COUNTY

TIME (local) OF OBSERVATION 0700 | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE CST

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

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

Panama City 5 NE

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: Draw a straight line (———) through hours precipitation was observed, and a wavy 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	24-HR AMOUNTS: Rain, melted snow, etc. (Incl. 6 hrs. ending)	24-HR AMOUNTS: Snow, ice pellets, hail (Incl. 6 hrs. ending)	At Ob. Snow, ice pellets, hail, ice on ground (Incl. 6 hrs. ending)	WEATHER (Calendar Day) MARK "X" FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	DAMAGING WIND* (*Time of Obsn. if different from above)
1				89	71	72		.05								
2				89	69	70		0								
3				90	69	71		.21								
4				91	69	71		.05								
5				90	70	72		.05								
6				89	71	73		1								
7				85	70	70		0								
8				90	70	76		0								
9				89	72	72		.22								
10				89	63	63		0								
11				90	69	65		0								
12				90	65	65		0								
13				92	65	63		0								
14				90	68	70		0								
15				90	69	72		0								
16				87	70	70		.46								
17				98	70	70		0								
18				87	57	58		0								
19				76	48	49		0								
20				75	47	49		0								
21				73	54	55		0								
22				85	47	61		0								
23				88	60	63		0								
24				92	61	64		0								
25				92	63	69		0								
26				89	59	65		0								
27				89	64	67		0								
28				89	64	66		0								
29				92	63	64		0								
30				95	63	71		0								
31																
SUM			X	2642	1914	X		1.04		X						
								Greatest	.46							

Time of Obs., 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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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-weights) NORMAL CK BAR

HEADING | DATE

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

OBSERVER

Punched 17058

STATION (Climatological) Pumas City Water Plant (Name of Station, if different) 5 NE
MONTH Oct 19 81
RIVER
TYPE OF RIVER GAGE
COUNTY Bay
TIME (local) OF OBSERVATION RIVER 0700
TEMPERATURE
PRECIPITATION
STANDARD TIME IN USE CST
STATE Fla
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

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 HR. ENDING AT OBSERVATION: MAX.	TEMPERATURE °F: 24 HR. ENDING AT OBSERVATION: MIN.	TEMPERATURE °F: AT OBSN.	PRECIPITATION: Draw a straight line (——) through hours precipitation was observed, and a wavy 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	PRECIPITATION: 24-HR AMOUNTS: Rain, melted snow, etc. (Sum of hours checked)	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets, hail (Sum of hours checked)	PRECIPITATION: At Obs. Snow, ice pellets, hail, rain on ground (Yes)	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				90	63	67		0																
2				90	64	65		0																
3				91	44	51		0																
4				81	51	57		0																
5				88	56	58		0																
6				90	57	64		0																
7				87	62	64		0																
8				88	65	66		.02																
9				72	64	65		.02																
10				53	67	70	65	.13																
11				88	70	71		0																
12				82	65	66		0																
13				82	55	55		0																
14				77	54	56		0																
15				81	57	58	56	0																
16				84	56	57		0																
17				85	56	57		0																
18				55	60	61	57	0																
19				55	45	46		.05																
20				70	35	45		0																
21				77	43	56		0																
22				83	56	61		0																
23				86	59	64		0																
24				83	50	51		.03																
25				62	45	63		.50																
26				79	61	66		.67																
27				74	52	53		.34																
28				72	47	50		0																
29				76	47	55		0																
30				79	54	61		0																
31				76	59	62		0																
SUM				2529	1731			1.76																
								Greatest .67																

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

CHECK BAR (For wire-weights) NORMAL CK BAR

HEADING	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

OBSERVER

STATION INDEX NO. 08-6841

STATION (City or Airport) Pensacola Water Plant - SNF (River Station, if different) MONTH Nov 19 71

RIVER — TYPE OF RIVER GAGE — COUNTY

TIME (Local) OF OBSERVATION 0700 — TEMPERATURE — PRECIPITATION — STANDARD TIME IN USE CST

STATE Fla — ELEVATION OF RIVER GAGE ZERO ft. — FLOOD STAGE ft. — NORMAL POOL STAGE ft.

W.B. No. E-15

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: 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	24-HR AMOUNTS: Rain, melted snow, etc. (Incl. 8 hundredths)	24-HR AMOUNTS: Snow, ice pellets, hail (Incl. 8 tenths)	At Obsn.: Snow, ice pellets, hail on ground (Incl. 8 tenths)	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
1				74	55	61		0									
2				78	60	64		0									
3				80	61	64		0									
4				83	60	62		0									
5				82	61	62		0									
6				83	61	62		0									
7				78	47	48		0									
8				72	39	41		0									
9				71	51	52		0									
10				75	58	61		.67									
11				70	56	56		.32									
12				72	45	46		0									
13				74	47	45		0									
14				66	34	36		0									
15				68	34	35		0									
16				71	46	48		0									
17				75	49	49		.18									
18				73	57	48		0									
19				75	48	57		0									
20				79	54	55		.65									
21				61	32	35		0									
22				59	28	31		0									
23				64	30	37		0									
24				70	36	45		.16									
25				73	37	40		0									
26				70	39	42		0									
27				75	42	62		0									
28				78	61	70		0									
29				80	50	54		0									
30				76	52	58		0									
31								0									
SUM		X		2207	1410	X		1.98	1.0	X							
Greatest								.67									

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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 multi-weight) NORMAL CK BAR

HEADING | DATE

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

OBSERVER

STATION (C) Wiota (Local) Panama City 5NE (River Station, if different) MONTH Dec 19 81

RIVER | TYPE OF RIVER GAGE | COUNTY

TIME (local) OF OBSERVATION: RIVER 0700 | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE CST

STATE FL | ELEVATION OF RIVER GAGE 2LND Ft. | FLOOD STAGE Ft. | NORMAL POOL STAGE Ft.

W FORM E-13 11

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: 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	24-HR AMOUNTS: Rain, melted snow, etc. (Inst. & hundredths)	24-HR AMOUNTS: Snow, ice pellets, hail (Inst., & tenths)	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
1				78	57	70		.14								
2				74	50	50		.46								
3				65	33	34		.8								
4				69	34	58		0								
5				63	33	36		0								
6				60	29	30		0								
7				56	31	34		0								
8				68	34	45		0								
9				76	45	45		0								
10				63	34	34		0								
11				53	31	3-		0								
12				57	45	47		0								
13				59	46	48		.99								
14				64	64	63		.16								
15				72	47	47		.63								
16				51	30	30		0								
17				61	30	45		0								
18				62	39	40		.08								
19				48	20	21		—								
20				34	20	23		—								
21				46	22	35		—								
22				57	34	54		0								
23				71	53	65		0								
24				78	53	53		0								
25				67	48	48		.19								
26				52	48	51		—								
27				67	50	65		—								
28				72	45	56		.04								
29				72	54	60		.20								
30				62	47	47		.30								
31				55	50	49		.49								
SUM				X934	1256	X	SUM	3.68	0	X						
							Greatest	.99								

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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 mid-night) NORMAL CK BAR

READING	DATE

SUPERVISING OFFICE

OBSERVER

STATION INDEX NO. 08-6842-1

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (ecological) (River Station, if different) Panama City, Water Plant SWC — MONTH Jan — 19 82

RIVER — TYPE OF RIVER GAGE — COUNTY Bay

TIME (local) OF OBSERVATION RIVER (CST) — TEMPERATURE — PRECIPITATION — STANDARD TIME IN USE CST

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

Fl

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: Draw a straight line (———) through hours precipitation was observed, and a wavy 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.)	24-HR AMOUNTS: Rain, melted snow, etc. (Ins. & hundredths)	24-HR AMOUNTS: Snow, ice pellets, hail (Ins. & 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 Obsn. if different from above
1				64	51	58		144									
2				70	55	57		0									
3				69	67	68		125									
4				77	62	63		66									
5				65	32	33		0									
6				66	33	41		0									
7				74	66	72		0									
8				78	49	50		67									
9				61	30	32		8									
10				56	26	31		0									
11				47	13	13		0									
12				33	13	22		0									
13				57	32	50		79									
14				51	37	37		133									
15				39	22	25		0									
16				53	25	49											
17				61	30	52		10									
18				53	30	44		0									
19				71	46	63		0									
20				76	57	57		0									
21				72	57	62		123									
22				77	53	56		02									
23				77	35	62		0									
24				75	34	36		29									
25				38	31	34		0									
26				65	32	40		0									
27				52	37	39		0									
28				55	37	40		0									
29				69	46	48		0									
30				43	36	37		0									
31				74	65	66		0									
SUM			X	1944	1219	X	CONDITION OF RIVER AT GAGE	SUM	6.59	X	Fog	Ice Pel.	Glaze	Thdr.	Hail	Dmg. Winds	
								Greatest	1.44								

CHECK BAR (For mid-month) NORMAL CK BAR

READING	DATE

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. 08-[illegible]42-1

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

OBSERVER

STATE (Meteorological) | (River Station, if different) | MONTH | 19

Panama City Water Plant | Sept | 19 82

RIVER | TYPE OF RIVER GAGE | COUNTY

Bay

TIME (local) OF OBSERVATION RIVER | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE

0700 A | CST

STATE | ELEVATION OF RIVER GAGE ZERO | FLOOD STAGE | NORMAL POOL STAGE

Fla | Ft. | Ft. | Ft.

WS FORM E-13 (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 0830	PRECIPITATION: Draw a straight line (——) through hours precipitation was observed, and a waved line (~~~) through hours precipitation probably occurred but was not observed. 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	24-HR AMOUNTS: Rain, melted snow, ice pellets, & hail (Incl. & tenths)	24-HR AMOUNTS: Snow, ice pellets, hail (Incl. & tenths)	At Ob. Time: Snow, ice pellets, hail, ice on ground (Yes or No)	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				70	39	40		.34																
2				60	42	54		.07																
3				70	53	61		1.40																
4				67	53	54		.23																
5				65	54	55		.02																
6				78	56	57		0																
7				64	35	36		0																
8				64	42	44		0																
9				72	35	65		0																
10				76	40	40		.26																
11				60	34	50		0																
12				64	47	54		.05																
13				62	49	50		1.81																
14				58	33	39		0																
15				64	39	41		0																
16				62	37	61		.35																
17				74	53	53		.78																
18				73	46	45		0																
19				78	46	56		0																
20				76	43	45		0																
21				72	44	58		0																
22				75	47	50		0																
23				70	45	55		.2																
24				73	37	45		0																
25				74	51	52		0																
26				78	56	56		0																
27				61	49	49		.91																
28				72	45	46		0																
29																								
30																								
31																								
SUM		X		1974	1263	X				X														
CHECK BAR (For non-recorders)		NORMAL CK BAR						SUM	6.24	0														
								Greatest	1.81															

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

HEADING	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

OBSERVER

STATION INDEX NO. 08-0842-1

PANAMA CITY

(River Station, if different) | MONTH: Mar | 19 82

Panama City Water Plant

TYPE OF RIVER GAGE | COUNTY: Bay

TIME (local) OF OBSERVATION: RIVER 0700 | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE: CST

STATE: Fla | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

NS FORM E-13 (10-77)

U.S. DEPT. 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. (Incs. & hundredths)	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets, hail (Incs. & tenths)	PRECIPITATION: At Ob.: Snow, ice pellets, hail, ice on ground (Incs.)	WEATHER (Calendar Day): MARK 'X' FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	DAMAGING WINDS	SPECIAL OBSERVATIONS OF PRECIPITATION & RIVER STAGES: Time of Obsn., if different from above	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	46	47	0																
2				57	32	35	0																
3				65	41	35	0																
4				69	54	55	0																
5				76	57	58	0																
6				76	55	56	.55																
7				77	42	43	.44																
8				52	33	34	0																
9				63	32	39	0																
10				72	39	48	0																
11				74	47	53	0																
12				75	52	55	0																
13				75	51	58	0																
14				71	57	67	0																
15				80	63	66	0																
16				77	65	69	0																
17				80	67	69	0																
18				81	69	71	0																
19				84	61	67	0																
20				79	62	69	.03																
21				81	68	72	0																
22				82	64	68	.03																
23				72	50	57	.13																
24				77	56	63	1.09																
25				67	62	64	1.02																
26				79	52	53	.28																
27				70	46	47	0																
28				59	44	45	.15																
29				51	49	50	0																
30				65	43	65	8																
31				78	57	64																	
SUM				2235	1616		3.75	1.1															
Greatest							1.09																

PRECIPITATION: 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

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 automatic gage) NORMAL CK BAR

HEADING | DATE

SUPERVISING OFFICE

OBSERVER

STATION INDEX NO. 08-6842-1

STATION (Meteorological) Panama City 5N.E. Florida (River Station, if different)

MONTH April 19 82

RIVER

TYPE OF RIVER GAGE

COUNTY Bay

TIME (local) OF OBSERVATION RIVER 0700

TEMPERATURE

PRECIPITATION

STANDARD TIME IN USE C.S.T. / C.D.T.

STATE Fla.

ELEVATION OF RIVER GAGE ZERO ft.

FLOOD STAGE ft.

NORMAL POOL STAGE ft.

FORM E-15 (10-71)

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

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: Draw a straight line (———) through hours precipitation was observed, and a wavy 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)	24-HR AMOUNTS: Rain, melted snow, etc. (liquid equivalent)	24-HR AMOUNTS: Snow, ice pellets, hail (liquid equivalent)	At Obsn.: Snow, ice pellets, hail, ice on ground (Yes)	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				76	61	62		.0		0	X													
2				81	58	59		0			X													
3				81	71	72		0																
4				81	53	55		0.80																
5				77	65	66		0																
6				80	45	59		0																
7				62	40	45		0																
8				73	45	60		1.02																
9				70	58	59		1.82																
10				75	49	5[illegible]		.80																
11				57	48	54		.50																
12				71	41	54		0																
13				74	46	59		0																
14				75	50	67		0																
15				77	64	69		0			X													
16				81	6[illegible]	66		0																
17				83	65	72		0																
18				83	65	67		.30																
19				82	59	67		0																
20				79	65	67		.07																
21				85	62	69		0																
22				85	60	63		0																
23				77	53	54		.05																
24				73	52	57		0																
25				70	57	62		0																
26				73	65	66		1.12																
27				79	64	66		0																
28				82	56	60		0																
29				80	55	60		0																
30				79	59	60		0																
31				~~209~~																				
SUM		X		2307	1701	X		6.48	0	X														
								Greatest 1.82																

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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 month-weight) NORMAL CY. BAR

HEADING	DATE
Avg Max	76.9
Avg Min	51.7

SUPERVISING OFFICE

OBSERVER Bay County Water Treatment Plant

STATION INDEX NO. 08-6842-1

Water Plant No. 2 ... Ft. 5NE | May | 2

RIVER | TYPE OF RIVER GAGE | COUNTY: Bay

TIME (Hour) OF OBSERVATION RIVER: 0700 | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE: CST

STAGE: 7.6 | ELEVATION OF RIVER GAGE ZERO | FLOOD STAGE | NORMAL POOL STAGE

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

Panama City

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	RIVER STAGE: CONDITION	RIVER STAGE: GAGE READING AT ___ P.M.	RIVER STAGE: TENDENCY	TEMPERATURE °F: 24 HRS. ENDING AT OBSERVATION: MAX.	TEMPERATURE °F: 24 HRS. ENDING AT OBSERVATION: MIN.	TEMPERATURE °F: AT OBS'N.	PRECIPITATION: 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 2 3 4 5 6 7 8 9 10 11	24-HR AMOUNTS: Rain, melted snow, etc. (Inc. & Hundredths)	24-HR AMOUNTS: Snow, ice pellets, hail (Inc. & tenths)	At Ob.: Snow, ice pellets, hail, ice on ground (Inc.)	WEATHER (Calendar Day) MARK "X" FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	DAMAGING WINDS	If time of Obs., if different from above	SPECIAL OBSERVATIONS OF PRECIPITATION & RIVER STA: DATE	TIME OF OBSERVATION	PRECIPITATION SINCE 7 A.M.	RIVER: STAGE	RIVER: TENDENCY	CREST STAGE, DATE, TIME, DEPTH OF SNOW ICE, STATE OF WEATHER AT TIME OF OBSERVAT
1				75	58	59		0		0															
2				78	65	66		0																	
3				79	57	58		0																	
4				86	56	62		0																	
5				87	55	59		0																	
6				82	57	62		.03																	
7				80	57	61		0																	
8				78	64	65		.57																	
9				78	52	62		0																	
10				83	48	63		0																	
11				83	55	59		0																	
12				85	54	65		0																	
13				89	62	66		0																	
14				83	55	61		0																	
15				83	48	63		0																	
16				85	59	65		0																	
17				90	62	65		0																	
18				93	65	68		0																	
19				96	67	67		0																	
20				96	64	69		.35																	
21				85	64	65		0																	
22				89	67	69		0																	
23				90	70	72		.13																	
24				89	67	68		0																	
25				86	65	71		0																	
26				84	67	70		.06																	
27				87	70	72		0																	
28				89	69	70		0																	
29				92	71	72		0																	
30				93	76	77		1.07																	
31				93	69	72		.06																	
SUM				2623	1933			SUM 2.24																	
								Greatest 1.07																	

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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 over-weights) NORMAL CK BAR

HEADING | DATE

SUPERVISING OFFICE

OBSERVER

STATION INDEX NO. 08-6842-1

Panama City, Fla. City Water Plant SWO — June 1982

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

Panama City

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

RIVER	TYPE OF RIVER GAGE	COUNTY: Bay	MONTH: June 19 82
TIME (Local) OF OBSERVATION: 0800	TEMPERATURE / PRECIPITATION	STANDARD TIME IN USE: CST	
STATE: Fla.	ELEVATION OF RIVER GAGE ZERO: ft.	FLOOD STAGE: ft.	NORMAL POOL STAGE: 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.	TEMPERATURE °F: AT OBSN.	PRECIPITATION: Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved	24-HR AMOUNTS: Rain, melted snow, etc. (Hns. & tenths)	24-HR AMOUNTS: Snow, ice pellets, hail (Hns. & tenths)	At Ob. Snow, ice pellets, hail, rain or drizzle on ground? (Yes)	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
1				87	72					0							
2				87	71												
3				91	69												
4				90	71												
5				90	73												
6				94	68												
7				93	60												
8				95	61												
9				98	65												
10				93	68												
11				92	71												
12				96	68			.32									
13				87	68												
14				89	68												
15				91	69												
16				91	68												
17				90	69			1.93									
18				74	72			3.55									
19				90	72												
20				90	78												
21				91	77												
22				89	69												
23				90	71			1.20									
24				90	70			.5									
25				88	70			.27									
26				89	72			.23									
27				80	74			.46									
28				85	72			.85									
29				85	69			.04									
30				88	72			.07									
31																	
SUM				2686	2097			9.42	0								
Greatest								.96									

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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 non-recorder) NORMAL CK BAR

READING	DATE

SUPERVISING OFFICE

OBSERVER

STATION INDEX NO. 08-6842-1

Punched 31368

STATION (Meteorological) WSO (River Station, if different) — MONTH July — 19 8

RIVER Plant — TYPE OF RIVER GAGE — Panama City — COUNTY

TIME (Local) OF OBSERVATION RIVER 0700 — TEMPERATURE — PRECIPITATION — STANDARD TIME IN USE CST

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

FORM E-15 (10-57)

U. S. DEPT. OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
WEATHER BUREAU

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: 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)	PRECIPITATION: 24-HR AMOUNTS: Rain, melted snow, etc. (Ins. & hundredths)	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets, hail (Ins. & tenths)	At Ob. Time: 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
1				89	70	77		.34		(1)							
2				91	72	77		0									
3				95	74	77		0									
4				91	75	81		0									
5				93	66	72		.37									
6				90	70	71		2.38									
7				88	71	74		1.03									
8				83	73	75		.25									
9				85	73	76		.73									
10				87	73	77		.97									
11				87	71	75		.16									
12				88	70	72		.51									
13				91	70	73		0									
14				91	72	75		0									
15				92	73	69		0									
16				90	74	75		.15									
17				88	75	74		1.34									
18				91	73	74		.14									
19				87	69	74		.56									
20				87	72	74		.08									
21				88	73	74		.03									
22				88	76	87		0									
23				85	72	74		1.03									
24				84	72	73		2.67									
25				90	75	74		.33									
26				91	72	76		0									
27				93	71	78		0									
28				84	71	76		1.54									
29				84	71	73		.28									
30				81	72	76		3.90									
31				81	72	75		.12									
SUM			X	2617	2151	X		20.32	0	X							
Greatest																	

SPECIAL OBSERVATIONS OF PRECIPITATION & RIVER STAGES

DATE	TIME OF OBSERVATION	PRECIPITATION SINCE 7 A.M.	RIVER: STAGE	RIVER: TENDENCY	REST STAGE, DATE AND TIME, DEPTH OF SNOW OR ICE, STATE OF WEATHER AT TIME OF OBSERVATION

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

We need some more forms # WS E-15

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. Flood stage.

CHECK BAR (For wire-weight) NORMAL CK BAR

HEADING | DATE

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

OBSERVER

STATION (City or Logical) Was - Plant (River Station, if different) | MONTH Aug | YR 82

RIVER | TYPE OF RIVER GAGE | COUNTY Bay

TIME (local) OF OBSERVATION 0700 | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE CST

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

FORM E-13

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

Panama City 5 NE

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. (inc. & hund.)	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets, hail (inc. & tenths)	PRECIPITATION: AT OBS.: Snow, ice pellets, hail, ice on ground (inc.)	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				86	75	77	.16																
2				85	73	74	.28																
3				95	72	74	0																
4				92	69	71	0																
5				93	70	73	0																
6				91	68	70	.74																
7				83	69	73	.55																
8				87	72	76	.88																
9				89	72	76	.04																
10				87	72	73	.29																
11				88	71	72	0																
12				90	71	72	.5																
13				89	72	73	.4																
14				90	74	75	0																
15				91	71	72	1.04																
16				92	75	76	0																
17				93	70	74	.03																
18				90	71	70	.93																
19				87	69	70	.12																
20				88	70	71	0																
21				89	74	75	.24																
22				87	73	73	.2																
23				89	73	74	0																
24				91	68	74	0																
25				90	75	76	.34																
26				91	75	75	0																
27				95	76	77	0																
28				95	73	75	.32																
29				96	74	74	0																
30				93	73	74	1.63																
31				90	69	70																	
SUM				2792	2229		8.69																
Greatest							.48																

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 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

OBSERVER

STATION INDEX NO. 08-6842-1

Punched 51079

STATION IS (Inland) WATER PLANT (River Station, if different) Panama City | MONTH SEPT | 19 82

RIVER | TYPE OF RIVER GAGE V | COUNTY BAY

TIME (local) OF OBSERVATION RIVER 0700 | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE CST

STATE FLORIDA | ELEVATION OF RIVER GAGE DATUM Ft. | FLOOD STAGE Ft. | NORMAL POOL STAGE Ft.

CDRW E-13 .771

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: 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	24-HR AMOUNTS: Rain, melted snow, etc. (Enter dagger (†) before amount if occurred as a trace)	24-HR AMOUNTS: Snow, ice pellets, hail (Enter dagger (†) before amount if occurred as a trace)	At Ob. Time: Snow, ice pellets, hail, ice on ground (Enter dagger (†) before amount if occurred as a trace)	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)
1				90	69	69		0		C								
2				94	68	72		0										
3				94	69	75		0										
4				88	70	72		0.04										
5				90	70	75		0										
6				82	69	70		0										
7				86	69	69		0										
8				79	68	71		0										
9				84	70	70		.45										
10				75	67	70		2.19										
11				85	71	72		.05										
12				87	69	70		0										
13				93	68	75		0										
14				93	70	75		0										
15				95	69	70		.47										
16				93	69	72		0										
17				90	71	73		0										
18				95	71	73		0										
19				91	72	72		0										
20				90	70	72		1.3										
21				90	68	68		.14										
22				84	56	56		0										
23				76	49	54		—										
24				79	49	55		0										
25				83	52	59		0										
26				78	56	59		0										
27				82	56	60		0										
28				84	57	62		0										
29				88	58	60		0										
30				86	59	67		0										
31																		
SUM				X 2604	1949	X		464	: 1	X								
Greatest								2.19										

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

CHECK BAR (For non-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

OBSERVER

STATION INDEX NO. 08-6842

STATION (Meteorological) Bay County Water Plant (River Station, if different)

MONTH October 19 82

FORM E-13 (rev. 7-71)

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

Panama City

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

RIVER	TYPE OF RIVER GAGE	COUNTY
		Bay

TIME (local) OF OBSERVATION	TEMPERATURE	PRECIPITATION	STANDARD TIME IN USE
0700			CST

STATE	ELEVATION OF RIVER GAGE ZERO	FLOOD STAGE	NORMAL POOL STAGE
Florida	ft.	ft.	ft.

Duplicate

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: Draw a straight line (———) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred but 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	PRECIPITATION: 24-HR AMOUNT: Rain, melted snow, etc. (tens, & hundredths)	PRECIPITATION: Snow, ice pellets, hail (tens, & hundredths)	PRECIPITATION: At Ob. Time: Snow, ice pellets, sleet, hail now on ground (tens)	WEATHER (Calendar Day): MARK "X" FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	DAMAGING WINDS	SPECIAL OBSERVATIONS OF PRECIPITATION & RIVER STAGES: Time of Ob., if different from above	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				82	63	69		0		0														
2				86	62	65		0																
3				87	62	70		0																
4				78	66	72		0.35																
5				85	74	70		0																
6				90	70	70		.72																
7				86	69	71		0.23																
8				86	67	69		0																
9				88	65	67		0																
10				88	65	67		0																
11				89	67	69		0																
12				90	64	74		0																
13				87	68	72		.30																
14				79	63	65		1.66																
15				78	49	52		0																
16				75	59	62		0																
17				81	50	52		0																
18				75	59	61		0																
19				78	49	61		0																
20				80	58	58		0																
21				81	58	65		0																
22				55	57	59		0																
23				77	56	61		0																
24				64	44	46		0																
25				69	36	38		0																
26				70	35	39		0																
27				75	39	40		0																
28				77	39	46		0																
29				78	43	56		0																
30				81	53	60		0																
31				83	57	67		0																
SUM				2508	1766			.4-.92	0															
CHECK BAR (For mid-month) NORMAL CK BAR																								
HEADING		DATE																						

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

High for October was recorded at 90° on the 6th and 12

Low was 35° on the 26th

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.

32°

Greatest 1.66

OBSERVER

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

PANAMA CITY

STATION (Name of city, village or telegraphic) Bay County Water Plant (River Station, if different)

MONTH Nov 19 82

RIVER

TYPE OF RIVER GAGE

COUNTY Bay

TIME (local) OF OBSERVATION 0700

TEMPERATURE

PRECIPITATION

STANDARD TIME IN USE CST

STATE Florida

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: 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)	PRECIPITATION: 24-HR AMOUNTS: Rain, melted snow, etc. (liq., & liq. equiv. depths)	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets, hail (liq. & frozen depths)	At Ob.: Snow, ice pellets, hail, ice on ground (Yes)	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 STAGE: 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				73	57	67		0.28		0														
2				83	60	68		0.11																
3				83	64	67		0.82																
4				81	55	57		1.31																
5				62	39	41		0.0																
6				59	35	38		0.0																
7				63	39	42		0.0																
8				67	48	51		0.0																
9				77	46	49		0.0																
10				77	48	53		0.0																
11				78	51	49		0.0																
12				79	58	61		0.0																
13				80	45	48		0.0																
14				72	41	49		0.0																
				72	45	47		0.0																
				66	35	43		0.0																
17				70	43	57		0.0																
18				70	56	64		0.0																
19				80	61	66		0.0																
20				78	62	66		0.0																
21				74	63	66		0.0																
22				79	55	60		0.02			X													
23				80	56	56		0.0																
24				78	56	65		0.02																
25				75	45	45		0.0																
26				76	44	60		0.0																
27				74	56	63		0.0			X													
28				77	59	70		0.0																
29				79	59	65		0.04			X													
30				77	62	70		0.0																
31																								
SUM				2228	1543			3.76	0	X														
								Greatest	1.31															

BEST COPY AVAILABLE

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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

SUPERVISING OFFICE

OBSERVER

STATION INDEX NO. 08-6842-1

PANAMA CITY 5 NE

Punched 4102

STATION (City or Town) Water Treatment Plant, Bay County (River Station, if different)

MONTH December 19-82

RIVER

TYPE OF RIVER GAGE

COUNTY Bay

TIME (Local) OF OBSERVATION 0700

TEMPERATURE

PRECIPITATION

STANDARD TIME IN USE CST

STATE Florida

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

FORM E-13 (1)

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: 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)	24-HR AMOUNTS: Rain, melted snow, etc. (Incl. & hun. depths)	24-HR AMOUNTS: Snow, ice pellets, hail (Incl. depths)	At Ob.: Snow, ice pellets, hail, ice on ground (Incl. depths)	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				82	67	70		0.24	T															
2				82	67	71		0.0																
3				82	67	72		0.0																
4				81	42	72		0.0																
5				78	59	59		3.31																
6				66	45	48		0.35																
7				64	44	47		0.0																
8				68	46	60		0.0																
9				70	55	55		0.0																
10				65	58	60		0.0																
11				69	63	65		0.0																
12				72	44	41		2.84																
13				48	29	31		0.0																
14				55	29	42		0.0																
15				63	42	57		0.0																
16				75	45	47		1.28																
17				60	34	35		0.0						X										
18				50	27	31																		
19				59	29	60																		
20				71	30	34		0.20																
21				62	36	30		0.0																
22				69	35	40		0.0																
23				70	39	47		0.0																
24				72	46	55		0.0																
25				75	61	65		0.0																
26				78	43	66		0.0																
27				77	55	63		0.0																
28				79	46	66		0.01																
29				77	53	53		1.22																
30				56	44	47		0.73																
31				49	47	50		0.50																
SUM		X		2124	1427	X		10.68	T	X														
								Greatest 3.31																

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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 water-weight) NORMAL CK BAR

READING | DATE

SUPERVISING OFFICE

OBSERVER

STATION INDEX NO. 08-6842-1

Panama City SNF

STATION (Telegraph) B. County Water Plant (River Station, if different)

MONTH January 19 83

RIVER

TYPE OF RIVER GAGE

COUNTY Bay

TIME (local) OF OBSERVATION RIVER | TEMPERATURE | PRECIPITATION

STANDARD TIME IN USE 0700 CST

STATE Florida

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
NWS 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.	MIN.	AT OBSN.	PRECIPITATION: 24-HR AMOUNTS: Rain, melted snow, etc. (Ins. & hundredths)	Snow, ice pellets, hail (Ins. & 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 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				54	49	51	0.11	O	O													
2				62	60	62	.62															
3				70	45	47	.10															
4				48	38	39	-0-															
5				58	32	34	-0-															
6				38	33	35	-0-															
7				63	35	37	-0-															
8				68	38	40	-0-															
9				69	44	46	-0-															
10				71	50	52	-0-															
11				59	44	45	.08															
12				64	37	40	-0-															
13				49	26	29	-0-					X	X									
14				55	26	31	-0-						X									
15				65	28	49	-0-						X									
16				58	28	30	-0-						X									
17				56	24	27	-0-						X									
18				60	24	35	-0-															
19				56	32	38	-0-															
20				48	33	39	.55															
21				56	37	46	.64															
22				49	43	46	.01				X											
23				51	39	41	-0-															
24				56	32	35	-0-															
25				57	31	33	-0-															
26				59	31	34	-0-															
27				60	47	48	1.12															
28				62	40	42	.08															
29				60	42	45	-0-															
30				66	53	55	.19															
31				72	41	43	-0-															
SUM		X		1839	1162	X	SUM 3.50	O	X													
							Greatest 1.12															

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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 mine-weight) NORMAL CK BAR

HEADING	DATE

SUPERVISING OFFICE

STATION INDEX NO. 08-6342-1

OBSERVER

PANAMA CITY 5 NE

STATION (Telegraph) Bay County Water Plant (River Station, if different) | MONTH February 19 83

RIVER | TYPE OF RIVER GAGE | COUNTY Bay

TIME (Local) OF OBSERVATION RIVER | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE 0700 CST

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

FORM E-13 (1-77)

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 7 A.M.	RIVER STAGE: TENDENCY	TEMPERATURE °F: 24 HRS. ENDING AT OBSERVATION: MAX.	MIN.	AT OBSN.	PRECIPITATION: Draw a straight line (—) through hours precipitation was observed, and a wavy 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	24-HR AMOUNTS: Rain, melted snow, etc. (Inc. & hund. dec.)	Snow, ice pellets, hail (Inc. & tenths)	At Ob. Time of Obsn., if different from above	WEATHER (Calendar Day) MARK "X" FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	DAMAGING WINDS
1				70		61		0								
2				70	52	52		1.17								
3				67	39	41		0								
4				53	34	36		0								
5				58	42	43		0								
6				60	54	36		1.90								
7				70	43	45		0								
8				56	27	34		0								
9				56	32	37		0								
10				66	35	50		0.14								
11				69	48	53		0.12								
12				60	42	46		0								
13				52	40	42		0.21								
14				44	39	42		1.25								
15				63	32	33		0								
16				67	33	52		0								
17				68	51	56		0.38								
18				70	37	43		0								
19				70	39	15		0								
20				71	41	57		0								
21				74	50	54		0								
22				73	48	60		0.09								
23				70	48	52		0.03								
24				69	41	43		0								
25				66	50	52		0								
26				64	37	38		0								
27				50	45	48		0								
28				57	55	57		0.29								
29																
30																
31																
SUM		X		1783	1134	X		5.58 /1		X						
								1.90								

(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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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 water-weight) NORMAL CK BAR

READING | DATE

SUPERVISING OFFICE

OBSERVER

STATION INDEX NO. 08-6842-1

STATION (City and/or Airport) Bay Co y Water Plant (River Station, if different) | MONTH: March | 19 83

STATE: Florida | COUNTY: Bay | RIVER:

TIME (local) OF OBSERVATION RIVER: 0700 | TEMP. | PRECIPITATION | STANDARD TIME IN USE: CST

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

WS 17- E-15

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

Panama City
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. (Dec.) and Audits (Dec.)	Snow, ice pellets, hail (Dec. and tenths)	Ice on Ground (Inches and tenths)	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 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12	WEATHER (Calendar Day) Mark "X" for all types occurring each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Dust or Sand Storms	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	60	48	50	1.35	0	0											
2	70	44	47	0													
3	72	55	37	1.02													
4	75	56	37	0													
5	75	66	68	0													
6	71	54	36	1.30													
7	82	62	64	0.43													
8	73	58	58	0													
9	72	42	46	0													
10	65	39	43	0													
11	46	32	37	0													
12	52	31	39	0													
13	61	31	40	0													
14	65	35	45	0													
15	67	43	54	0													
16	63	53	59	.54													
17	71	55	56	2.38													
18	57	50	55	0.20													
19	65	51	56	0													
20	74	51	60	0.02													
21	70	48	50	0.74													
22	59	35	40	0													
23	59	34	41	0													
24	67	49	31	0.37													
25	51	35	49	0.06													
26	63	50	52	0													
27	69	57	59	0.92													
28	72	49	52	0													
29	64	40	43	0													
30	67	39	48	0													
31	58	51	53	0.27													
	2035	1446	SUM	9.60													
	Greatest																

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. Flood stage.

CHECK BAR (If no movement, write NORMAL CK. BAR)

HEADING	DATE

SUM | | | | | | | | | X

OBSERVER: Water Plant Operator

SUPERVISING OFFICE

STATION INDEX NO.

STATION: Bay County Water Treatment Plant (Official) (River Station Name if different)

PANAMA CITY — Name (local) of Observation River

Use of River Gage: Temperature | Precipitation

MONTH: April 19 83

County: Bay

Standard Time in Use: CST

STATE: Florida

Elevation of River Gage Zero: Ft.

Flood Stage: Ft.

Normal Pool Stage: Ft.

FORM E-15 (6-71)

U. S. DEPT. 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: 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.)	24-HR AMOUNTS: Rain, melted snow, etc. (Incs. & hundredths)	24-HR AMOUNTS: Snow, ice pellets, hail (Incs. & tenths)	At Obsn.	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
1				70	49	51		0.0		D							
2				69	58	59		0.24									
3				65	55	57		0.0									
4				66	46	49		0.0									
5				77	38	63		0.0									
6				76	62	65		0.0									
7				79	64	69		0.0									
8				72	62	70		3.0									
9				70	52	61		2.94									
10				72	49	56		0.01									
11				70	49	63		0.0			X						
12				76	50	54		0.0									
13				80	52	63		0.0									
14				78	60	67		0.0									
15				71	52	54		2.04									
16				70	41	53		0.01									
17				66	38	56		0.0									
18				72	52	65		0.0									
19				70	40	44		0.63									
20				64	43	49		0.0									
21				68	50	53		0.0									
22				75	53	55		0.0									
23				79	63	66		3.38									
24				71	56	58		0.0									
25				74	50	52		0.0									
26				73	44	47		0.0									
27				78	43	48		0.0									
28				77	48	51		0.0									
29				80	52	53		0.0									
30				80	57	59		0.0									
31																	
SUM				2188	1538			SUM 12.25	0								
								Greatest 3.38									

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

CHECK BAR (For wire-weight) NORMAL CK BAR

HEADING	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

OBSERVER

STATION INDEX NO. 08-6842-1

REVISED BY 07049

PANAMA CITY 5 NE

KEYED BY 04249

STATION (City, region) Bay County Water Treatment Plant | (River station, if different) | MONTH May | 19 83

RIVER | TYPE OF RIVER GAGE | COUNTY Bay

TIME (local) OF OBSERVATION 0700 | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE CDT

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

FORM E-13 (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 7 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: Draw a straight line (——) through hours precipitation was observed, and a waved line (~~~) through hours precipitation probably occurred unobserved. (A.M. NOON P.M.)	24-HR AMOUNTS: Rain, melted snow, etc. (Incl. 24 hour deaths)	24-HR AMOUNTS: Snow, ice pellets, hail (Excl. 24 months)	AT OBSN.: Snow, ice pellets, hail on ground (Incl. 24 months)	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: PSTZ	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				79	61	62		0																
2				82	60	61		-0-																
3				82	66	69		-0-																
4				79	52	56		.38																
5				76	48	51		-0-																
6				81	51	59		-0-																
7				83	51	60		-0-																
8				80	54	65		.10																
9				79	60	66		-0-				XX												
10				84	61	6		-0-																
11				83	62	66		-0-																
12				84	61	65		-0-																
13				82	60	65		-0-																
14				85	64	67		-0-				XX												
15				81	58	64		-0-				XX												
16				80	61	75		-0-																
17				86	57	59		-0-																
18				83	58	68		-0-																
19				80	68	74		-0-																
20				84	68	70		-0-																
21				83	68	71		-0-																
22				85	70	71		-0-																
23				82	76	77		-0-																
24				88	64	67		-0-																
25				90	62	66		-0-																
26				86	60	61		-0-																
27				90	63	64		-0-																
28				91	60	61		-0-																
29				90	64	65		-0-																
30				85	69	69		.14																
31				83	65	69		.77																
SUM		X		2586	1902	X		1.51		X	Fog	Ice Pel.	Glaze	Thunder	Hail	Damag. Winds							
								Greatest	.77															

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 non-recorder) NORMAL CK BAR

READING	DATE

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

OBSERVER

PANAMA CITY

STATION (Name and number, if any) Bay County Water Treatment Plant

MONTH June 1983

RIVER

TYPE OF RIVER GAGE

COUNTY Bay

TIME (Hour) OF OBSERVATION — RIVER: — TEMPERATURE: 7:00 AM — PRECIPITATION: 7:00 A.M.

STANDARD TIME IN USE C.D.T

STATE Florida

ELEVATION OF RIVER GAGE ZERO ft.

FLOOD STAGE ft.

NORMAL POOL STAGE ft.

FORM E-13 71

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

Panama City

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 09 LST	PRECIPITATION: Draw a straight line (———) through hours precipitation was observed, and a wavy 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)	24-HR AMOUNTS: Rain, melted snow, etc. (Incs. & Hund.)	24-HR AMOUNTS: Snow, ice pellets, hail (Incs. & tenths)	At Ob. Time: 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 WIND*	*Time of Obsn. if different from above
1				86	67	70		.03		0							
2				87	63	67		0									
3				92	65	68		0									
4				90	66	74		0									
5				87	67	72		.56									
6				85	69	75		0									
7				87	71	73		.26									
8				80	62	67		.86									
9				87	65	70		0									
10				88	64	69		0									
11				87	64	74		0									
12				90	68	70		0									
13				89	67	72		.50									
14				87	67	70		0									
15				91	62	68		0									
16				90	68	70		0									
17				91	70	71		0									
18				91	69	70		1.51									
19				87	70	71		0									
20				82	72	73		.79									
21				81	62	72		3.60									
22				85	69	78		.98									
23				81	74	75		0									
24				81	72	73		.80									
25				84	72	73		.23									
26				86	72	73		0									
27				90	74	75		.04									
28				46	61	76		.56									
29				83	71	73		.41									
30				85	71	77		.21									
31																	
SUM				2598	2074			11.34	(1)								
Greatest								3.60									

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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. Slush ice.
G. Floating ice.
H. Pool stage.

CHECK BAR (For over-weight) NORMAL CK BAR

READING | DATE

SUPERVISING OFFICE

OBSERVER

STATION INDEX NO. 08-6842-1

REVISED BY 04843

KEYED BY 00732

PANAMA City SNE

STATION (Logical) (River Station, if different): Bay County Water Treatment Plant
MONTH: July 19 83
RIVER:
TYPE OF RIVER GAGE:
COUNTY: Bay
TIME (local) OF OBSERVATION RIVER | TEMPERATURE | PRECIPITATION
STANDARD TIME IN USE: CDT
STATE: Florida
ELEVATION OF RIVER GAGE ZERO: ft.
FLOOD STAGE: ft.
NORMAL POOL STAGE: ft.

FORM E-15 -771

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 7 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: 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 2 3 4 5 6 7 8 9 10 11 | 1 2 3 4 5 6 7 8 9 10 11	PRECIPITATION: 24-HR AMOUNTS: Rain, melted snow, etc. (Inc.; d. hun. deaths)	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets, hail (Inc.; d months)	PRECIPITATION: At Ob. Snow, ice pellets, hail, ice on ground (Inc.)	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				89	71	77		.16	0	0														
2				94	72	76		.25																
3				90	72	75		0																
4				91	72	78		0																
5				90	74	78		0																
6				90	71	76		0																
7				91	73	75		0																
8				94	71	75		0																
9				91	68	73		0																
10				91	63	70		0																
11				93	68	74		0																
12				93	69	73		0																
13				93	69	73		0																
14				95	70	75		0																
15				94	43	76		.19																
16				93	74	75		0																
17				92	72	75		0																
18				96	74	77		0																
19				95	72	75		0																
20				96	74	77		.04																
21				97	71	73		0																
22				95	73	74		0																
23				95	77	78		.24																
24				96	80	81		0																
25				95	81	82		0																
26				95	80	82		0																
27				97	71	74		.11																
28				92	72	75		.11																
29				94	69	73		0																
30				95	64	76		0																
31				91	72	75		0																
SUM				2896	2231			1.16	0	0														
							SUM	1.16	0															
							Greatest	.25																

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 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. 08-6842-1

KEYED BY 00732

PANAMA CITY 5 NE

STATION (Official) Bay County Water Treatment Plant (River station, if different)

MONTH August 19 83

RIVER

TYPE OF RIVER GAGE

COUNTY Bay

TIME (local) OF OBSERVATION RIVER | TEMPERATURE | PRECIPITATION

STANDARD TIME IN USE Central Daylight

STATE Florida

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

FORM E-13 (rev. 7-71)

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: Draw a straight line (———) through hours precipitation was observed, and a wavy 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	24-HR AMOUNTS: Rain, melted snow, etc. (Inst. & hours, if any)	24-HR AMOUNTS: Snow, ice pellets, hail (Inst. & hours, if any)	At Ob. Snow, ice pellets, hail, ice on ground (Inst. if any)	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				85	73	77		.17		0															
2				89	71	72		.15																	
3				86	71	72		.12																	
4				90	71	74		.63																	
5				93	72	75		-0-																	
6				91	72	74		.18																	
7				91	71	74		.07																	
8				91	72	75		-0-																	
9				92	72	76		-0-																	
10				93	72	78																			
11				92	76	77		.11																	
12				92	74	75		-0-																	
13				87	73	75		-0-																	
14				90	76	77		-0-																	
15				92	72	73		.11																	
16				89	64	71		-0-																	
17				93	66	69		-0-																	
18				93	69	70		-0-																	
19				94	70	71		-0-																	
20				96	71	72		-0-																	
21				99	74	76		-0-																	
22				96	77	78		-0-																	
23				95	74	73		-0-																	
24				97	71	73		-0-																	
25				97	71	77		-0-																	
26				99	71	78		-0-																	
27				85	72	78		.82																	
28				94	72	74		.03																	
29				94	73	78		-0-																	
30				97	71	72		.34																	
31				95	71	74		-0-																	
SUM				2867	2228		SUM	2.73	0	X	Fog	Ice Pel.	Glaze	Thun. Day	Hail	Damag. Winds								
							Greatest	.82																	

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

CHECK BAR (For over-weight) NORMAL CK BAR

HEADING | 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. 08-0842-1

KEYED BY 01114

Bay [illegible]nty Water Plant

September 83

1983

Panama City

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

RIVER	TYPE OF RIVER GAGE	COUNTY
		Bay

TIME (local) OF OBSERVATION RIVER	TEMPERATURE	PRECIPITATION	STANDARD TIME IN USE
0700			CDT

STATE	ELEVATION OF RIVER GAGE ZERO	FLOOD STAGE	NORMAL POOL STAGE
Florida	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.	TEMPERATURE °F: AT OBSN.	PRECIPITATION: Draw a straight line (———) through hours precipitation was observed, and a waved line (~~~) through hours precipitation probably occurred unobserved. A.M. NOON P.M.	24-HR AMOUNTS: Rain, melted snow, etc. (Ins. & hun-dredths)	24-HR AMOUNTS: Snow, ice pellets, hail (Ins. & tenths)	At Ob. Time: 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
1				93	72	76		.23		0							
2				89	62	73		1.43									
3				88	69	73		.48									
4				88	70	81		.53									
5				90	71	72		.02									
6				90	70	73		.04									
7				90	65	68		0									
8				93	67	72		0									
9				94	69	70		0									
10				96	69	72		0									
11				94	71	75		0									
12				92	70	72		.77									
13				78	67	72		4.90									
14				84	69	–		1.14									
15				87	65	66		0									
16				85	68	69		0									
17				87	69	70		0									
18				91	70	71		0									
19				89	71	72		0									
20				86	68	72		.11									
21				85	69	75		.48									
22				85	54	55		.14									
23				76	71	53		0									
24				80	51	63		0									
25				84	60	62		0									
26				83	57	58		0									
27				80	56	58		0									
28				80	53	56		0									
29				82	53	58		0									
30				82	51	57		0									
31																	
SUM				2600	1927			10.27	0								
								Greatest 4.90									

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

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 at gage.
C. Upper surface of smooth ice
D. Ice gauge above gage.
E. Ice gauge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

SUPERVISING OFFICE

OBSERVER

STATION INDEX NO. 08-6842-1

Panama city

KEYED BY 09604

STATION (Climatological): Bay County Water Treatment PLant (River Station, if different)
MONTH: October 19 83
RIVER:
TYPE OF RIVER GAGE:
COUNTY: Bay
TIME (local) OF OBSERVATION RIVER:
TEMPERATURE:
PRECIPITATION:
STANDARD TIME IN USE: CST
STATE: Florida
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

FORM E-13 (10-72)

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 7 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: Draw a straight line ____ through hours precipitation was observed, and a wavy 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	24-HR AMOUNTS: Rain, melted snow, etc. (Inc. & hundredths)	24-HR AMOUNTS: Snow, ice pellets, hail (Inc. & tenths)	WEATHER (Calendar Day): Obs. Time (Enter Z if different from local time)	WEATHER (Calendar Day): MAKE "X" FOR ALL TYPES OCCURRING EACH DAY: Snow, ice pellets, hail, ice on ground (Inc.)	Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of Obsn., if different from above
1				80	50	54		0										
2				84	52	66		0										
3				88	63	66		0										
4				88	63	70		0										
5				87	68	75		0										
6				87	64	65		.40										
7				85	61	62		0										
8				84	65	66		0										
9				86	69	70		0										
10				82	70	6TM		.11										
11				77	66	69		.04										
12				76	66	69		.59										
13				85	71	72		1.6										
14				78	55	56		.11										
15				79	62	63		0										
16				85	69	70		0										
17				85	65	66		0										
18				80	64	64		.49										
19				85	64	64		0										
20				85	62	62		0										
21				86	61	70		0										
22				80	66	67		0										
23				78	65	70		0										
24				85	56	59		0										
25				72	53	53		0										
26				73	52	52		0										
27				72	47	47		0										
28				no reading				0										
29				79	40	48		0										
30				80	46	57		0										
31				83	53	62		0										
SUM		X		2454	1808	X		3.34	0	X								

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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

SUPERVISING OFFICE

OBSERVER Plant Operator

STATION INDEX NO. 08-6842-1

Panama City

KEYED BY 09210

STATION (City, Airport, or River Station, if different): Bay Co. ty Water Treatment Plant
MONTH: November 83
STATE: Florida
COUNTY: Bay
RIVER:
TIME (Local) OF OBSERVATION: RIVER: TEMP.: PRECIPITATION:
STANDARD TIME IN USE: 0700 CS & CDT
TYPE OF RIVER GAGE:
ELEVATION OF RIVER GAGE ZERO: Ft.
FLOOD STAGE: Ft.
NORMAL POOL STAGE: Ft.

Form E-13

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. (Inches and hundredths)	Snow, ice pellets and/or hail (Inches and tenths)	At 08: Snow, ice pellets, hail, ice on ground (Inches)	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 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12	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	78	60	62	0.0													
2	83	57	60	0.0													
3	82	50	57	0.0													
4	no record																
5	79	56	62	0.24													
6	73	37	44	0.0													
7	73	44	57	0.11													
8	62	55	60	0.52													
9	68	60	63	0.0													
10	70	59	60	0.0													
11	74	47	48	0.0													
12	55	39	40	0.0													
13	60	35	36	0.0													
14	67	57	68	0.0													
15	77	58	69	0.23													
16	29	44	46	0.03													
17	63	32	42	0.0													
18	65	36	44	0.0													
19	72	42	55	0.0													
20	75	49	65	1.95													
21	72	41	49	0.02													
22	73	43	50	0.0													
23	80	49	63	0.0													
24	78	58	58	2.11													
25	62	39	40	0.95													
26	60	36	46	0.0													
27	68	44	68	0.0													
28	77	56	57	0.45													
29	65	38	40	0.0													
30	60	33	38	0.0													
31																	
Sum	2050	1354		6.61													
Greatest																	

CHECK BAR (For mid-month: NORMAL CK. BAR)

BUILDING	DATE

Fog | Ice Pel. | Glaze | Thund. | Hail | Dmg. Winds | SUM | X

CONDITION OF RIVER AT GAGE

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

OBSERVER

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

PANAMA CITY SNP

STATION IS (Name of) Bay County Water Treatment Plant (River Station, if different) — MONTH December 83

STATE Florida — COUNTY Bay — RIVER

TIME (Local) OF OBSERVATION RIVER 0700 — TEMP. — PRECIPITATION — STANDARD TIME IN USE CST

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

FORM E-13 — 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. (Dec. and hundredths)	Snow, ice pellets and sleet (tenths)	Ice on gage (Enter "0" if none)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	69	46	47	0.0		0										
2	73	49	50	0.0												
3	77	70	71	0.0												
4	80	63	62	0.17												
5	75	64	63	0.0												
6	78	68	70	1.88												
7	72	37	37	0.0												
8	56	32	33	0.0												
9	64	38	39	0.0												
10	70	43	44	0.0												
11	74	69	68	0.4												
12	70	54	55	2.30												
13	59	45	46	0.0												
14	68	61	43	0.29												
15	73	39	40	0.0												
16	63	37	40	0.0												
17	65	40	50	T												
18	57	49	50	√0.09												
19	55	47	48	0.0												
20	58	46	52	0.0												
21	58	48	52	0.0												
22	59	49	53	0.0												
23	75	49	50	0.0												
24	49	29	47	0												
25	38	11	13	0.0												
26	27	12	15	0.0												
27	37	15	36	0.0												
28	67	31	65	0.16												
29	69	42	41	1.42												
30	44	22	23	0.06												
31	37	20	22	0.0												
	1916	1325	SUM	6.81	0	X	CHECK BAR (For month-to-date) NORMAL CK. BAR	Fog	Ice Pel.	Glaze	Thund.	Hail	Dam. winds	SUM		X	

CONDITION OF RIVER AT GAGE — Greatest

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

READING	DATE

OBSERVER

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

DBY 06504

FL 1MA

STATION (City, Airport) Bay County Water Treatment Plant (River Station, if different)

MONTH January 19 84

RIVER

TYPE OF RIVER GAGE

COUNTY Bay

TIME (local) OF OBSERVATION RIVER | TEMPERATURE | PRECIPITATION

STANDARD TIME IN USE CST

STATE Florida

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

FORM E-13 (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 7 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. (Incl. ∆ hour deaths)	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets, hail (Incl. ∆ hour deaths)	PRECIPITATION: At Ob. Time: Snow, ice pellets, hail on ground (Incl. ∆ hour deaths)	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				46	20	21	0.0																
2				56	23	24	0.0																
3				60	16	31	0.0																
4				60	29	29	0.0																
5				62	50	51	0.0																
6				63	34	33	0.0																
7				67	45	46	0.0																
8				61	36	38	0.0																
9				68	44	45	0.0																
10				67	55	60	0.15																
11				65	35	35	0.33																
12				43	35	41	0.0																
13				47	35	42	T																
14				57	29	42	T																
15				61	36	42	T																
16				55	39	48	0.05																
17				55	47	50	0.32																
18				60	50	50	0.03																
19				71	36	37	1.53																
20				45	31	32	0.0																
21				39	30	31	0.0																
22				49	26	27	0.0																
23				56	26	44	0.0																
24				66	42	61	1.13																
25				73	58	59	0.12																
26				66	54	54	0.29																
27				57	55	56	0.71																
28				60	38	39	T																
29				65	38	39	0.0																
30				65	37	38	0.0																
31				68	34	35	0.0																
SUM				1835	1174		SUM 4.64																
							Correct. 1.53																

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

T=Trace of rain

CONDITION OF RIVER AT GAGE
A. Observed by rough use.
B. Figures [illegible] page.
[illegible]

CHECKED BY [illegible] NORMAL CK MAR

RATING

DATE

SUPERVISING OFFICE

OBSERVER Plant operator

STATION NUMBER NO. 08-8842-1

PANAMA CITY 5 NE

STATION (Climatological): Bay County Water Treatment Plant (River Station, if different)
MONTH: February 19-84
RIVER:
TYPE OF RIVER GAGE:
COUNTY: Bay
TIME (local) OF OBSERVATION RIVER:
TEMPERATURE:
PRECIPITATION:
STANDARD TIME IN USE: CST
STATE: Florida
ELEVATION OF RIVER GAGE ZERO Ft.:
FLOOD STAGE Ft.:
NORMAL POOL STAGE Ft.:

FORM E-13 (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 7 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: Draw a straight line (——) through hours precipitation was observed, and a wiggly line (~~~) through hours precipitation was not observed, but was present. (A.M. / NOON / P.M. hours 1 2 3 4 5 6 7 8 9 10 11	24-HR AMOUNTS AT OBSN.: Rain, melted snow, etc. (Inches & hundredths)	Snow, ice pellets, hail (Inches & tenths)	Sleet, ice pellets, hail, ice on ground (Inches & tenths)	WEATHER (Calendar Day): MARK "X" FOR ALL TYPES OCCURRING EACH DAY: FOG	ICE PELLETS	GLAZE	THUNDER	HAIL	CAMPUS WINDS	Time of Obsn. if different from above
1				55	28	30		0.0		0							
2				60	36	37		0.0									
3				66	43	44		0.0									
4				63	54	53		1.47									
5				67	34	35		0.0									
6				58	26	27		0.0									
7				49	25	26		0.0									
8				55	26	30		0.0									
9				61	30	40		0.0									
10				69	39	50		-0									
11				71	47	52		0.0									
12				26	50	57		0.0									
13				74	55	54		.72									
14				78	51	51		0.0									
15				73	38	40		0.0									
16				74	39	47		0.0									
17				72	44	48		0.0			X						
18				76	41	43		0.0			X						
19				75	40	53		0.0			X						
20				75	50	57		.05									
21				65	52	52		0.0			X						
22				55	48	53		.72			X						
23				62	48	49		0.04									
24				65	40	41		0.0									
25				69	47	48		0.0									
26				66	40	41		0.0									
27				72	58	59		2.45									
28				70	40	40		.03									
29				50	34	35		0.0									
30																	
31																	
SUM		X		1921	1203	X		5.43	0	X							
											Fog	Ice Pel.	Glaze	Thdr.	Hail	Campus 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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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

CHECK BAR (For non-weight) NORMAL CK BAR

HEADING | DATE

SUPERVISING OFFICE

OBSERVER

STATION INDEX NO. 08-6842-1

Panama City 9 NE

STATION (Local climatological) Bay County Water Plant — (River Station, if different) — MONTH March — 19 84

RIVER — TYPE OF RIVER GAGE — COUNTY Bay

TIME (local) OF OBSERVATION RIVER — TEMPERATURE — PRECIPITATION — STANDARD TIME IN USE CST

STATE Fl. — ELEVATION OF RIVER GAGE ZERO ft. — *FLOOD STAGE ft. — NORMAL POOL STAGE ft.

FORM E-13 (10-77) — U.S. DEP. OF COMMERCE — NATIONAL OCEANIC AND ATMOS. ADMINISTRATION — NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	RIVER STAGE: CONDITION	RIVER STAGE: GAGE READING AT 07 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: 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	24-HR AMOUNTS: Rain, melted snow, etc. (incl. d hun. drother)	24-HR AMOUNTS: Snow, ice pellets, hail (incl. drizzle)	At Ob.: Snow, ice pellets, hail, ice on ground (incl. A	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
1				52	27	29		0.0		0							
2				53	40	41		0.0									
3				65	41	42		0.0	XX								
4				73	47	48		0.0									
5				73	65	64		0.0									
6				70	60	76		2.64									
7				67	40	40		.10									
8				56	29	36		0.0				XX					
9				64	34	47		0.0									
10				62	30	42		0.0									
11				66	36	46		0.0									
12				71	39	52		0.0									
13				70	47	64		.48									
14				77	53	57		0.0									
15				84	50	60		0.0									
16				77	53	53		0.0									
17				76	53	65		0.0									
18				79	50	55		0.0	XX								
19				80	51	57		0.0									
20				80	51	68		.12									
21				69	36	45		.77									
22				68	48	49		0.0									
23				72	55	56		0.0									
24				80	55	56		0.0									
25				75	65	66		0.81									
26				76	51	52		0.0									
27				74	66	68		1.65									
28				74	64	70		.04									
29				76	53	54		0.0									
30				60	46	47		0.0									
31				67	50	51		0.0									
SUM			X	2180	1485	X		6.61	0	X							
								Greatest 2.64									

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

IF MORE SPACE IS NEEDED, USE ADDITIONAL FORM

REMARKS

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 automatic weight, NORMAL CK BAR)

READING — DATE

SUPERVISING OFFICE

OBSERVER Water Plant Operator

STATION INDEX NO. 08-6842-1

ED BY 06504

PANAMA CITY SE

STATION (Climatological) Bay County Water Treatment Plant
(River Station, if different)
MONTH April 19-84
STATE Florida
COUNTY Bay
RIVER
TIME (local) OF OBSERVATION
TEMP.
PRECIPITATION
STANDARD TIME IN USE CST
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

WB Form 10-13 (7-78)

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. (Inches and hundredths)	Snow, ice pellets, hail (Day and records)	AT OB. Snow, ice pellets, hail on ground (Inches)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	70	52	53	0		0												
2	74	52	53	0														
3	73	56	63	0.54														
4	69	58	68	10.72														Flooding
5	74	51	55	0														
6	66	41	54	0														
7	69	49	55	0														
8	80	54	67	0														
9	76	57	68	2.23														
10	79	55	62	0														
11	59	53	56	0														
12	66	47	58	0														
13	76	49	59	0														
14	76	55	59	0				X										
15	77	58	64	0														
16	74	51	56	0														
17	68	47	59	0														
18	69	46	59	0														
19	73	52	63	0														
20	78	54	65	0														
21	81	55	64	0				X										
22	82	71	72	0														
23	81	54	65	0.24														
24	74	44	59	0														
25	78	50	59	0														
26	80	59	60	0														
27	84	72	73	0														
28	84	71	72	0														
29	84	57	68	0														
30	82	62	63	0														
31																		
✓	2266	1682	SUM	13.73	0	X	CHECK BAR (For mid-month) NORMAL CK. BAR											
				Greatest			HEADING / DATE											

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Free [illegible] open at gage.
C. Upon [illegible] of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER Plant Operator on duty

SUPERVISING OFFICE

STATION INDEX NO. 08-6842[illegible]1

Bill Elam. Panama City

STATION (Climatological) Water Treatment Plant (River Station, if different) Panama City — MONTH May — 19 84

STATE Florida — COUNTY Bay — RIVER

TIME (local) OF OBSERVATION — TEMP. — PRECIPITATION — STANDARD TIME IN USE CDT

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

FORM E-15 (8)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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. (Incl. sum of trace amounts)	Snow, ice pellets, hail (Incl. in sum of col. 3)	as Ice on Ground Snow, ice pellets, hail (Not in sum of col. 3)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	82	68	71	0	T												
2	85	67	70	0													
3	80	63	76	0													
4	81	66	73	0													
5	87	69	66	0													
6	85	65	78	0													
7	87	71	72	0													
8	89	70	74	0													
9	84	54	56	.02													
10	79	46	55	0													
11	82	45	59	0													
12	85	55	59	0													
13	85	57	67	0													
14	88	58	64	0													
15	88	61	71	0													
16	93	60	62	0													
17	88	60	62	0													
18	86	59	60	0													
19	83	57	58	0													
20	84	61	62	0													
21	83	62	71	0													
22	86	69	70	0													
23	84	68	70	0													
24	87	68	70	0													
25	89	70	71	0													
26	88	68	68	0													
27	91	69	69	0													
28	90	69	70	0													
29	90	67	72	0													
30	90	53	53	0													
31	75	52	57	0													
	2654	1927	SUM	0.02	T												
				Greatest													

CHECK BAR (For water-equiv.) NORMAL CK. BAR

	Fog	Ice Pel.	Glaze	Thund.	Hail	Dmg. Winds	SUN	
								X

CONDITION OF RIVER AT GAGE

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

READING	DATE

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6802-1

KEYED BY C.216

STATION (City or Town) Water Treatment Plant (River Station, if different) PANAMA City MONTH June 19-84

STATE Florida COUNTY Bay RIVER

TIME (Initial OF OBSERVATION RIVER) TEMP. PRECIPITATION STANDARD TIME IN USE CDT

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

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 Hours and Amounts: Rain, melted (snow, sleet, ice pellets, and thunderstorm)	Snow, ice pellets, hail (liquid equivalent)	Snow, ice pellets, hail, ice on ground (inches) at 08	Draw a straight line (——) through hours precipitation was observed, and a vertical line (|) through last hour precipitation ended; estimate amounts if necessary. A.M. 1 2 3 4 5 6 7 8 9 10 11 12 NOON 1 2 3 4 5 6 7 8 9 10 11 12 P.M.	WEATHER (Calendar Day) Mark "X" for each item observed each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Dangerous Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	78	46	62	0		3											
2	85	51	67	0													
3	86	56	71	0													
4	89	58	63	0				X									
5	86	58	65	0													
6	92	62	69	0													
7	91	66	74	0													
8	92	67	72	0				X									
9	89	63	71	0													
10	90	61	70	0													
11	91	65	69	0				X									
12	95	67	73	0				X									
13	92	57	72	1.24				X			X						
14	92	71	72	0													
15	91	71	72	0.73													
16	88	71	72	0													
17	90	71	72	0.40													
18	92	71	72	0													
19	90	62	78	0.13													
20	91	72	78	0													
21	91	78	78	0.12													
22	91	74	74	0.40													
23	92	70	71	0.43													
24	90	72	73	0													
25	92	75	76	0													
26	97	67	75	0													
27	94	67	72	0													
28	91	69	73	1.13													
29	87	72	78	0.15													
30	85	60	72	2.90													
31																	
	2699	2000	Sum	7.63	0								SUN			X	
	Condition of River at Gage			Greatest			CHECK BAR (For non-tidal rivers, NORMAL CK. BAR)										
							READING	DATE									

A. Observed to tenth inch. E. Ice gorge below gage.
B. Frozen, ice on gage. F. Shore ice.
C. Unfrozen, inches of snowfall on. G. Floating ice.
D. Ice gorge above gage. H. Flood stage.

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6840-1

PANAMA CITY

Bay Co — Water Treatment Plant

MONTH: July 19 84

STATE: Elorida

COUNTY: Bay

STANDARD TIME IN USE: CDT

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. (Inc. and hundredths)	Snow, ice pellets (Inc. and tenths)	Snow, ice pellets (melt, ice on ground) (Inches)	Hours of precipitation (A straight line (——) through hours precipitation was observed, and a wiped line (~~~) through hours precipitation probably occurred unobserved. A.M. NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12)	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	84	68	69	1.30		0											
2	80	68	74	.49													
3	88	71	76	-0-													
4	90	74	75	-0-													
5	91	72	79	-0-													
6	90	71	75	-0-													
7	90	56	78	.89													
8	90	73	82	-0-													
9	92	73	78	-0-													
10	93	73	76	-0-													
11	94	74	77	-0-													
12	96	71	75	.19													
13	90	71	76	-0-													
14	90	73	74	-0-													
15	87	70	74	.85													
16	91	71	75	.40													
17	89	72	75	.76													
18	87	65	75	2.00													
19	7[illegible]	67	73	1.71													
20	81	72	73	-0-													
21	89	73	74	-0-													
22	86	74	73	0.23													
23	93	71	72	0.35													
24	85	70	73	0.45													
25	89	70	74	1.46													
26	90	70	71	-0-													
27	92	72	71	-0-													
28	89	71	72	0.39													
29	89	70	71	0.80													
30	74	68	69	2.49													
31	77	71	70	0.62													
	2735	2185	Sum	14.76													
			Greatest														

CHECK BAR (If no reading, put NORMAL CK. BAR)

READING | DATE

CONDITION OF RIVER AT GAGE

A. Obstructed by ice or weeds
B. Frozen, but open at gage
C. Unper surface of smooth ice
D. Ice gorge above gage
E. Ice gorge below gage
F. Shore ice
G. Floating ice
H. Flood stage

OBSERVER

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

KEYED BY 02355 Nate Climatic Cert

STATION (Climate) Bay County Water Treatment Plant (River Station, if different)

STATE Florida

COUNTY Bay

TIME (local) OF OBSERVATION

TEMP.

PRECIPITATION

MONTH August 19 84

RIVER

STANDARD TIME IN USE CDT

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

PANAMA CITY

WSP (7-75) -15

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. (Dec. and hundredths)	Snow, ice pellets, hail (Dec. and tenths)	Ice on ground (Snow, ice pellets, hail, ice on objects)	PRECIPITATION Draw a straight line (——) through hours precipitation was observed, and a wavy 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	Dust, Sand, Smoke, etc.	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	84	68	74	0.3		0															
2	87	76	77	0.6																	
3	88	73	72	0.39										XX							
4	93	73	74	0.36																	
5	90	73	74	0.23																	
6	90	73	72	0.0																	
7	94	74	75	0.0																	
8	93	72	75	0.0																	
9	90	75	76	0.0																	
10	93	70	71	0.0																	
11	93	72	73	0.0																	
12	88	73	72	0.93																	
13	86	73	74	0.23																	
14	89	70	75	0.0																	
15	89	70	73	0.0																	
16	91	74	73	0.0																	
17	93	75	76	0.0																	
18	93	75	74	0.0																	
19	92	75	76	0.0																	
20	89	73	74	0.5																	
21	92	68	69	0.42																	
22	91	69	71	0.0																	
23	87	69	74	0.0																	
24	89	75	74	0.03																	
25	87	71	72	0.0																	
26	90	74	73	0.4																	
27	87	72	73	0.66																	
28	85	66	69	0.63																	
29	90	67	69	0.0																	
30	90	70	71	0.0																	
31	89	69	70	0.0																	
	2782	2227	SUM	5.68		0															
	Greatest						CHECK BAR (For mid-month) NORMAL CK. BAR			Fog	Ice Pel.	Glaze	Thund	Hail	Dust, Smoke	SUM				

CONDITION OF RIVER AT GAGE

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

HEADING	DATE

OBSERVER Water Treatment Plant Operator on duty

SUPERVISING OFFICE

STATION INDEX NO. 08-6842[redacted]1

Weather Service
Panama City
02712

STATION (Meteorological) (River Station, if different) — County Water Treatment Plant
MONTH: Sept 19 84
STATE: Florida
COUNTY: Bay
RIVER:
TIME (local) OF OBSERVATION | TEMP. | PRECIPITATION | STANDARD TIME IN USE: CDT
TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO Ft. | FLOOD STAGE Ft. | NORMAL POOL STAGE Ft.

FORM E-1) (7-51)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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. (liq., and hundredths)	(Snow, ice pellets, hail (liq., and tenths))	At 08 (Snow, ice pellets, hail, rain, etc. (tenths))	Draw a single hr. line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M. 1 2 3 4 5 6 7 8 9 10 11 12 NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12	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	91	75	74	0		0											
2	93	72	74	0													
3	92	70	71	0													
4	91	66	73	0													
5	89	69	69	.98													
6	85	65	66	T													
7	85	62	65	0													
8	87	63	66	0													
9	86	60	65	0													
10	87	63	67	0													
11	91	70	73	0													
12	92	67	43	T													
13	92	69	72	0													
14	89	71	72	0													
15	90	67	68	0													
16	92	68	67	0													
17	89	65	66	0													
18	82	49	67	0													
19	86	68	69	0													
20	84	64	65														
21	88	64	65	0													
22	89	63	69	0													
23	89	67	71	0													
24	90	68	69	0													
25	90	65	65	0													
26	89	62	63	0													
27	94	68	69	0													
28	91	65	68	0													
29	85	63	65	0													
30	85	62	63	0													
31	2663	1972		0.98	D												
			SUM	Greatest		X	CHECK BAR (For mercurial gage) NORMAL CK. BAR										X

CONDITION OF RIVER AT GAGE

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

HEADING	DATE

OBSERVER: Water Treatment Plant Operator
SUPERVISING OFFICE
STATION INDEX NO. 08-6802-1

PANAMA CITY 5-NE

Punched 6250
Name-Elem-Double

STATION (City or Airport) Bay County Water Treatment Plant (River Station, if different)
MONTH October 19 84
STATE Florida
COUNTY Bay
RIVER
TIME (local) OF OBSERVATION RIVER TEMP. PRECIPITATION
STANDARD TIME IN USE CDT/CST
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO ft. FLOOD STAGE ft. NORMAL POOL STAGE ft.

W.B. FORM E-13 (3-79)
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Dr. Thomas Kaiser

DAY	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION In the Gage: Rain, melted snow, etc. (Use a dash (-) for trace)	In the Gage: Snow, ice pellets, hail (Use a dash (-) for trace)	On the Ground: Depth of snow, ice pellets, hail (Use a dash (-) for trace)	Observation Time Entries: A.M. NOON P.M.	WEATHER (Calendar Day) Mark "X" for all types which occur on the calendar day. Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from 8 a.m.	RIVER STAGE CONDITION	GAGE HEADING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	31	49	50	0														
2	74	48	49	0														
3	77	42	43	0														
4	81	43	46	0														
5	82	46	57	0														
6	84	56	61	0														
7	85	60	64	0														
8	87	64	64	0														
9	87	63	63	0														
10	87	61	62	0														
11	89	60	61	0														
12	87	61	62	0														
13	87	56	57	0														
14																		
15	89	57	69	0.30														
16	81	69	74	1.91														
17	86	68	69	0														
18	86	65	66	0														
19	85	67	68	0														
20	85	61	66	0														
21	84	65	70	0														
22	83	68	69	0														
23	86	67	68	0														
24	83	66	67	0														
25	87	64	63	0														
26	86	64	65	0														
27	87	71	74	0.59														
28	85	71	72	0														
29	85	69	70	0														
30	88	64	65	1.33														
31																		
✓	2540	1827	SUM	4.09														
			Greatest															

CHECK BAR (For mid-winter use) NORMAL CK. BAR

	Fog	Ice Pel.	Glaze	Thund.	Hail	Dam. Winds	SUM

CONDITION OF RIVER AT GAGE

A. Observed by rough ice.
B. Frozen but open at gage.
C. Upper reaches of smooth ice.
D. Ice below gage.
E. Ice gage below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

HEADING	DATE

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842●1

Natl Climatic Center
NCEI BY 00325

STATION (Full name) Bay Area Water Treatment Plant (Cross Station, if different)

MONTH November 19 84

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION

RIVER TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

FORM E-13 791

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

Panama City
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. (Dew, frost, and hoarfrost do not count)	Snow, ice pellets, hail (Dew, and frost do not count)	At Ob. Snow, ice pellets, hail, ice on ground
1	85	68	69	0.0		
2	85	66	67	0.0		
3	79	67	68	0.02		
4	77	65	67	0.75		
5	77	61	62	0.0		
6	72	51	52	0.0		
7	69	42	43	0.0		
8	66	41	43	0.0		
9	69	46	48	0.0		
10	75	41	59	0.0		
11	78	46	48	0.52		
12	60	39	45	T		
13	68	37	38	0.0		
14	65	33	34	0.0		
15	71	47	46	0.0		
16	78	58	59	0.0		
17	73	47	49	0.39		
18	75	49	56	0.0		
19	78	73	72	0.85		
20	74	49	50	0.58		
21	55	47	48	0.0		
22	50	38	39	0.07		
23	56	38	40	0.0		
24	68	42	34	0.0		
25	71	39	41	0.0		
26	74	56	57	0.0		
27	76	61	62	0.0		
28	75	50	51	0.50		
29	60	35	36	0.0		
30	59	41	42	0.0		
31						
	2118	1473	SUM	3.68	0	

PRECIPITATION — 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 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12

WEATHER (Calendar Day) — Mark "X" for all types occurring each day.

DATE	Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above
SUM							

RIVER STAGE

DATE	CONDITION	GAGE READING AT ___ A.M.	TENDENCY

REMARKS (Special observations, etc.)

CHECK BAR (For accumulations) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE — Greatest

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Water surface at rough ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842_1

KEYED BY

Panama City SNF

STATION (Climatological) Bay County Water Treatment Plant (River Station, if different)

MONTH December 19 84

STATE Florida

COUNTY Bay

AREA

TIME (local) OF OBSERVATION RIVER | TEMP. | PRECIPITATION | STANDARD TIME IN USE CST

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

WS FORM (7-79)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DAY	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Hrs. and hundredths)	Snow, ice pellets, hail, sleet, and rain (tenths)	At 08: Snow, ice pellets, hail, sleet, and rain (tenths)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	70	56	57	0		0												
2	78	56	57	0														
3	77	64	67	0														
4	75	52	53	0														
5	61	57	58	.33														
6	76	46	46	0.04														
7	52	29	39	0.														
8	53	27	29	0														
9	63	34	37	0														
10	67	50	57	0														
11	N.D.			0														
12	73	59	60	0														
13	68	63	64	0														
14	77	52	54	0														
15	79	51	63	0														
16	75	58	61	0														
17	78	61	62	0														
18	77	52	53	0														
19	80	56	57	0														
20	75	62	53	0														
21	77	61	62	0														
22	75	61	70	0														
23	78	55	56	0.25														
24	77	55	60	0														
25	76	56	57	0														
26	78	56	57	0														
27	79	59	58	0														
28	74	58	59	0														
29	77	50	56	0														
30	79	58	58	0														
31	76	57	56	0														
Σ	2190	1601	SUM	1.62				SUM										

Greatest 1.12

CHECK BAR (For microfilming) NORMAL CK. BAR

READING	DATE

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 at gage. H. Pool stage.

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842_1

KEYED

STATION (Climatological) Water Treatment Plant PANAMA CITY S NE (River Station, if different)

MONTH January 19 85

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION (River) COMP. SPECIFICATION

STANDARD TIME IN USE CST

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

WBAN-13-781 13

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

Panama City S NE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DAY	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs CST MAX.	MIN.	AT OBSN.	PRECIPITATION 24 HOUR AMOUNTS Rain, melted snow, etc. (Inches and hundredths)	Snow, ice pellets, hail (Inches and tenths)	Depth on ground (Inches and tenths)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	BEST AVAILABLE RECORD REMARKS (Special observations, etc.)
1	78	65	66	0.0														
2	77	67	68	0.19														
3	72	52	52	1.77														
4	48	32	32	0.14														
5	53	29	31	0.0														
6	58	29	46	0.0														
7	64	43	43	0.0														
8	62	36	37	0.0														
9	64	32	42	0.0														
10	71	42	57	0.0														
11	62	36	36	0.0														
12	44	32	36	0.0														
13	48	31	42	0.0														
14	52	40	44	0.0														
15	57	30	30	0.0														
16	61	27	55	0.0														
17	68	47	47	0.22														
18	50	40	46	0.0														
19	64	41	60	0.0														
20	62	14	14	0.0														
21	28	6	20	0.0														
22	49	16	34	0.0														
23	54	24	31	0.0														
24	46	31	43	0.36														
25	61	43	49	0.0														
26	51	25	26	0.0														
27	59	22	47	1.25														
28	64	41	41	0.0														
29	59	34	40	0.0														
30	67	38	67	0.15														
31	73	64	67	0.0														
✓	1826	1109	sum	4.08	( )	X												
				Greatest														

CHECK BAR (For automatic gage) NORMAL CK. BAR

READING	DATE

	Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	SUM
							X

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 above gage. H. Pool stage.

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842_1

Panama City - SNF

STATION (Name and No.): Bay County Water Treatment Plant
STATE: Florida
COUNTY: Bay
MONTH: February 19 85
STANDARD TIME IN USE: CST

Panama City

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

2/85

TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO | FLOOD STAGE | NORMAL POOL STAGE

DAY	TEMPERATURE F. MAX.	MIN.	AT OBSN. (2400 hrs)	PRECIPITATION Water amount	Snow, sleet, ice pellets	At Ob.	WEATHER (Calendar Day) Fog	Ice Pellets	Snow	Thunder	Hail	Glaze	Time of observation for others	RIVER STAGE Ice Cond.	Gage Height at A.M.	Tendency	REMARKS
1	75	66	68	.12		0											
2	70	36	36	.0													
3	53	33	44	.10													
4	66	41	53	.80													
5	71	52	70	.21													
6	70	45	45	.0													
7	55	38	42	.0													
8	51	34	41	.0													
9	56	34	35	.0													
10	62	26	32	.0													
11	67	29	56	.0													
12	67	37	37	.65													
13	52	34	40	.0													
14	57	33	33	.0													
15	60	31	34	.0													
16	56	27	40	.0													
17	58	29	36	.0													
18	66	34	48	.0													
19	73	46	53	.0													
20	73	51	56	.0													
21	75	49	52	.0													
22	77	51	60	.0													
23	77	58	60	.0													
24	76	55	68	.0													
25	77	65	67	.0													
26	78	65	65	.0													
27	75	60	60	.0													
28	75	51	51	.0													
29																	
30																	
31																	
✓	1868	1214	SUM	1.88	0	X							SUM			X	
				Greatest													

BEST AVAILABLE COPY

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 automatic gage) NORMAL CK. BAR

READING | DATE

OBSERVER: Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO.: 08-6842_1

FORM E-13
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

Panama City SNE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Hydrological) Bay-County-Water-Treatment-Plant-- (River Station, if different)
MONTH March 19 85
STATE Florida
COUNTY Bay
RIVER
TIME (local) OF OBSERVATION RIVER
TEMP.
PRECIPITATION
STANDARD TIME IN USE CST
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO ft.
FLOOD STAGE ft.
NORMAL FLOOD STAGE ft.

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inc. and hundredths)	Snow, ice pellets, hail (Inc. and tenths)	At Ob. Snow, ice pellets on ground (Inc.)	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~~) through hours precipitation probably occurred unobserved. A.M. 1 2 3 4 5 6 7 8 9 10 11 12	NOON	P.M. 1 2 3 4 5 6 7 8 9 10 11 12	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 HEADING AT ___ A.M.	TENDENCY	BEST AVAILABLE RECORD REMARKS (Special observations, etc.)
1	71	47	57	.09		0															
2	74	53	54	-0-																	
3	77	49	51	-0-																	
4	77	50	67	-0-																	
5	81	60	60	-0-																	
6	77	49	55	-0-																	
7	79	53	55	-0-																	
8	77	50	57	-0-																	
9	82	57	63	-0-																	
10	82	56	56	-0-																	
11	76	55	67	-0-																	
12	79	64	64	-0-																	
13	81	60	61	-0-																	
14	80	56	69	-0-																	
15	75	58	59	-0-																	
16	59	54	55	2.11																	
17	65	51	53	.30																	
18	66	40	40	-0-																	
19	69	34	41	-0-																	
20	73	38	59	1.17																	
21	73	55	66	.16																	
22	70	55	55	-0-																	
23	70	48	58	-0-																	
24	74	53	60	-0-																	
25	78	46	56	-0-																	
26	76	47	47	-0-																	
27	74	45	66	-0-																	
28	77	65	67	-0-																	
29	79	64	64	-0-																	
30	79	61	70	-0-																	
31	79	59	60	.15																	
✓	2329	1632	Sum	3.68	3.78	X 0															
			Greatest																		

CHECK BAR (For microweight) NORMAL CK. BAR

READING	DATE

Fog	Ice Pel.	Glaze	Thund.	Hail	Dmg. Winds	Sum		X

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 Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

STATION (Climate) Bay County Water Treatment Plant — MONTH: April — 19 85

STATE: Florida — COUNTY: Bay — RIVER:

TIME (hours) OF OBSERVATION: RIVER — TEMP. — PRECIPITATION — STANDARD TIME IN USE: CST and CDT

TYPE OF RIVER GAGE — ELEVATION OF RIVER GAGE ZERO ft. — FLOOD STAGE ft. — NORMAL POOL STAGE ft.

U.S. DEPARTMENT OF C
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN
NATIONAL WEATHER

Panama City S NE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Incl. dew and hydrometeors)	Snow, ice pellets, sleet (Incl. rime)	Ice On Ground	Draw a straight line (—) through hours precipitation was observed, and a wavy 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	Dense Drifting Snow	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	75	50	50	0														
2	67	42	42	0														
3	70	37	62	0														
4	75	50	66	0														
5	77	65	70	0														
6	78	50	50	.04														
7	77	50	62	0														
8	74	50	55	0														
9	72	42	42	0														
10	75	42	47	0														
11	76	46	65	0														
12	78	63	63	0														
13	72	62	63	.05														
14	72	62	65	0														
15	77	59	59	.28														
16	79	55	55	0														
17	87	52	62	0														
18	82	53	59	0														
19	80	57	57	0														
20	83	56	59	0														
21	85	56	59	0														
22	83	59	62	0														
23	80	62	64	0														
24	82	59	63	.33														
25	82	58	65	0														
26	85	61	61	0														
27	83	59	62	0														
28	84	61	73	0														
29	93	66	74	0														
30	86	63	64	0														
31																		
✓	2365	1646	SUM	~~73~~	7	X	CHECK BAR (For automatic) NORMAL CK. PAR											
				Greatest			READING / DATE											

SUM X

CONDITION OF RIVER AT GAGE 70

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.

OBSERVER: Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842_1

STATION (City, Airport, or Weather Station, if different)
Water Treatment Plant Panama City

MONTH: May 19 85

STATE: Florida

COUNTY: Bay

RIVER:

TIME (local) OF OBSERVATION: RIVER: TEMP.: PRECIPITATION:

STANDARD TIME IN USE: CDT

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

W.B. No. (7-78) E-13

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (liquid)	Snow, ice pellets, hail (liquid, and rainfall)	At Ob. Snow, ice pellets, hail, ice on ground	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred undetected. 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	82	60	72	0														
2	82	60	73	.50														
3	83	64	68	.03														
4	86	59	62	0														
5	82	59	60	0														
6	83	57	69	0														
7	87	63	73	0														
8	82	65	66	1.61														
9	78	65	68	0														
10	84	65	56	0														
11	87	61	69	0														
12	88	64	70	0														
13	91	66	71	0														
14	88	64	73	0														
15	93	69	76															
16	90	67	74	0														
17	83	67	67	0														
18	79	58	66	0														
19	76	64	69	0														
20	87	68	69	0														
21	87	66	69	.34														
22	84	66	77	0														
23	90	69	69	0														
24	84	65	68	0														
25	86	62	64	0														
26	88	57	65	0														
27	86	59	68	0														
28	85	62	69	0														
29	87	65	72	0														
30	86	68	74	0														
31	87	67	77	0														
✓	2629	1971	SUM	2.48				SUM										
				Greatest														

CHECK BAR (Sum must equal 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: Water Treatment Plant Operator

SUPERVISING OFFICE:

STATION INDEX NO. 08-6842.1

PANAMA CITY 5 NE

STATION (Climatological): Bay County Water Treatment Plant
STATE: Florida
COUNTY: Bay
MONTH: June
IN: 85
3400 Transmitter Road
TIME (local) OF OBSERVATION
TEMP.
PRECIPITATION
STANDARD TIME IN USE: CDST
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

WS FORM E-1 (7-78)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City FL

BEST AVAILABLE RECORD

DATE	TEMPERATURE F 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS (Rain, melted snow, dew, and/or condensation)	(Snow, ice pellets, hail (how and/or inches))	(Snow, ice pellets, hail, ice on ground (Zero))	A.M. NOON P.M.	WEATHER (mark "X" for all types occurring each day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	RIVER STAGE Time of observation if different from above	CONDITION	Stage at ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	86	76	77	0														
2	91	76	77	0														
3	93	76	77	0														
4	97	76	78	0														
5	94	75	77	0														
6	96	77	77	0														
7	89	74	77	0														
8	90	74	80	0														
9	90	77	80	0														
10	90	78	80	0														
11	86	69	76	.84														
12	86	73	75	0														
13	83	69	70	0														
14	75	63	72	1.47														
15	78	63	73	.10														
16	85	63	76	5.80														
17	86	75	77	0														
18	86	76	78	.05														
19	86	71	71	0														
20	82	69	70															
21	85	65	65	0														
22	87	65	74															
23	94	65	73															
24	93	70	73															
25	94	69	75	0														
26	87	71	74	0														
27	91	71	75	.22														
28	89	71	75	.13														
29	87	70	71	1.87														
30	84	68	72	0														
31																		
	2640	2135	SUM	10.48														

CHECK BAR (For winter months) NORMAL CK. BAR

READING	DATE

SUM

CONDITION OF RIVER AT GAGE (Gage reads)

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: Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO.: 08-6842 1

Panama City SNE

U.S. DEPARTMENT ... NATIONAL OCEANIC AND ATMOSPHERIC ADM. ... NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological) Bay County Water Treatment Plant — (River Stations, if different) — MONTH July — YR 85

STATE Florida — COUNTY Bay — RIVER

TIME (local) OF OBSERVATION — RIVER — TEMP. — PRECIPITATION — STANDARD TIME IN USE CDST

TYPE OF RIVER GAGE — ELEVATION OF RIVER GAGE DATUM ___ Ft. — FLOOD STAGE ___ Ft. — NORMAL POOL STAGE ___ Ft.

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (liquid) and thunderstorms	Snow, ice pellets, hail (liquid equiv.)	At Ob. Snow, ice pellets, hail, ice on ground (liquid equiv.)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	Drifting Winds	Time of observation if differed from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	87	72	77	0		0											
2	88	73	77	0													
3	90	73	75														
4	87	71	72	.4													
5	87	70	71	1.40													
6	85	69	74	.88													
7	88	73	73	0													
8	90	69	78	0													
9	91	76	78	0													
10	94	75	79	0													
11	90	75	79	0													
12	88	71	75	.84													
13	89	71	72	.18													
14	88	71	75														
15	89	73	75	.08													
16	89	73	77	0													
17	90	71	74	1.65													
18	89	71	75	.68													
19	88	73	75	.3													
20	94	72	75	0													
21	90	72	74	1.92													
22	88	73	75	.02													
23	90	73	73														
24	89	73	75	.4													
25	80	73	75	1.4													
26	84	74	74	0													
27	88	71	76	0													
28	89	73	76	.27													
29	89	73	76	.03													
30	90	73	78	.04													
31	87	74	77	0													
	2745	2245	SUM	10.49		0											

CHECK BAR (For microweights) NORMAL CK. BAR

READING	DATE

Fog	Ice Pel.	Glaze	Thun.	Hail	Dust. 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

SUPERVISING OFFICE

STATION INDEX NO. 08-6842.1

Panama City 5 NE

STATION (Climatological) Bay County Water Treatment Plant — (River Station, if different)

MONTH August — 19 85

STATE Florida — COUNTY Bay — RIVER

TIME (local) OF OBSERVATION — RIVER — TEMP. — PRECIPITATION — STANDARD TIME IN USE CSDT

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

NS FORM E-13 (7-76)

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

Panama City

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inc. and hundredths)	Snow, Ice pellets, Hail (Inc. and tenths)	AT 12Z Snow, Ice pellets, Hail (Inc. and tenths)	PRECIPITATION Draw a straight line (——) through hours precipitation was observed, and a wavy 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	89	74	77	0		T												
2	89	72	72	0.21														
3	88	72	74	.17														
4	91	72	76	0.0														
5	91	72	78	0														
6	87	74	76	0														
7	83	73	75	3.50														
8	84	73	74	.88														
9	89	71	73	.99														
10	91	71	74	.16														
11	92	71	75	.55														
12	89	73	75	0														
13	93	72	75	.40														
14	90	73	74	.42														
15	91	72	78	.04														
16	89	76	81	0														
17	90	76	81	.12														
18	93	76	79	0														
19	94	74	79															
20	91	75	77															
21	91	74	77	.9														
22	91	74	79	0														
23	91	75	75	.3														
24	90	73	78	.23														
25	88	73	74															
26	85	72	73	.15														
27	90	72	74	0														
28	83	72	75	.40														
29	92	73	74	.55														
30	84	71	75	1.56														
31	78	72	75															
✓	2757	2264	SUM	11.52														Hurricane Elena first threatened land
				Greatest				Fog	Ice Pel.	Glaze	Thund.	Hail	Dmgg. Winds	SUM				

CHECK BAR (For river stations) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE

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

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842_1

KEYED BY 00225

STATION (Climatological) Bay County Water Treatment Plant (River Station, if different)

MONTH Sept. 19 85

STATE Florida COUNTY Bay RIVER

TIME (local) OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE CST

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

WS FORM E-13 (7-70)

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

Panama City

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inc. and Hundredths)	Snow, ice pellets, hail (Inches and tenths)	At Ob. Snow, ice pellets, hail now falling (yes or no)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	Drifting Snow	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	83	72	74	1.48		//												
2	87	74	76	0														
3	88	73	74	0														
4	89	72	73	0.23														
5	89	70	72	0														
6	88	70	75	0														
7	90	70	74	0														
8	91	70	74	0.07														
9	91	71	75	0														
10	92	71	78	0														
11	95	71	78	0														
12	95	73	73	0														
13	90	69	70	0														
14	80	58	59	0														
15	85	57	69	0														
16	87	65	68	0														
17	87	64	69	0														
18	89	66	71	0														
19	89	65	72	0.05														
20	89	67	71	T														
21	86	67	71	0.18														
22	87	69	75	0														
23	86	69	70	0.31														
24	83	69	69	2.15														
25	85	67	71	0														
26	87	70	71	0.19														
27	81	58	62	0														
28	85	55	68	—														
29	87	63	74	0														
30	88	69	71															
31																		
	2629	2025	SUM	4.66 Greatest	//	X												

CHECK BAR (For climatologist) NORMAL CK. BAR

READING	DATE

Fog	Ice Pel.	Glaze	Thund.	Hail	Drift. Snow	SUM	
							X

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 Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

- PA AMENDMENT -

KEYED BY GJ/82

STATION (Climatological): ~~Bay County Water Treatment Plant~~ Panama City
(River Station, if different)
MONTH: October 19 85
STATE: Florida
COUNTY: Bay
RIVER:
TIME (local) OF OBSERVATION
TEMP.
PRECIPITATION
STANDARD TIME IN USE: CSDT
TYPE OF RIVER GAGE
GAGE ZERO ft.
FLOOD STAGE ft.
NORMAL POOL STAGE ft.

RS FORM E-13 (1-78)
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

DATE	TEMPERATURE °F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION Rain, melted snow, dew, frost, and hail (Inches)	Snow, ice pellets, hail (Inches, and tenths)	Snow, ice pellets, hail, type not specified (Inches)	WEATHER (Remarks Dy.) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	85	69	72													
2	85	60	73	0.39												
3	87	70	75	0.56												
4	84	73	77	0												
5	80	60	60	0												
6	74	53	57	0												
7	79	49	58	0												
8	85	55	68	0												
9	86	75	69	0												
10	88	62	71	0												
11	89	64	64	0												
12	89	63	68	0												
13	87	64	69	0												
14	86	66	70	0												
15	87	67	70	0												
16	90	69	75	0												
17																
18	87	72	72	0												
19	89	70	73	0												
20	88	69	69	0.15												
21	87	65	69	0												
22	87	66	70	0.03												
23																
24	85	69	69	0												
25	86	67	70	0												
26	84	66	69	0.37												Tropical Storm Juan
27	78	68	73	0.60												"
28	85	68	73	0.53												"
29	77	66	66	2.43												"
30	71	65	70	2.10												"
31	74	66	71	1.43												"
Mo.	2439	1896	SUM	8.59												
			Greatest													

	Fog	Ice Pel.	Glaze	Thund	Hail	Dam. Winds	SUM

CHECK BAR (For climatological) 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: Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO.: 08-6842-1

KEYED BY 03102

PANAMA C. ITY

STATION (Climatological) County Water Treatment Plant (River Station, if different)

MONTH November 19 85

STATE Florida

COUNTY Bay

RIVER

TIME (Recall) OF OBSERVATION RIVER | TEMP. | PRECIPITATION

STANDARD TIME IN USE CST

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

(Panama City)

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

FORM E-13

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 MAX.	MIN.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Dec. and hundredths)	Snow, Ice pellets, Hail (Dec. and tenths)	At Obs. Snow, Ice pellets, Hail (Inc. no. Ice on gage)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	Blowing Snow	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	72	55	57	0		0												
2	65	55	63	0.34														
3	65	55	56	0														
4	65	49	49	0														
5	67	44	46	0														
6	67	39	47	0														
7	76	46	59	0.16														
8	70	44	48	0														
9	77	44	59	0														
10	83	44	59	0				XXX										
11	84	57	68	0														
12	85	64	67	0														
13	84	62	66	0														
14	81	63	63	0														
15	82	61	62	0				XX										
16	81	59	64	0				XX										
17	82	60	61	-														
18	82	59	67	0														
19	84	64	72	0														
20	77	70	73	0														Hurricane Kate
21	75	68	68	2.50														Hurricane Kate
22	77	61	61	5.82														
23	78	58	59	-														
24	79	63	64	-														
25	78	64	67	-														
26	79	66	66	0														
27	80	62	68	0														
28	80	66	75	0														
29	78	71	73	0														
30	76	66	67	.70														
31	-	-	-															
✓	2309	1739	SUM	9.52	0	X							SUM			X		

CONDITION OF RIVER AT GAGE

AVG 77 58 62

Greatest .32

A. Obstructed by ice at use.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gage above gage.
E. Ice gage below gage.
F. Snow on ice.
G. Floating ice.
H. Flood stage.

CHECK BAR (For microweight) NORMAL CK. BAR

READING | DATE

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

PANAMA CITY NE

STATION (Observing site) Bay County Water Treatment — (River station, if different)
STATE Florida — COUNTY Bay
TIME (Local) OF OBSERVATION 8AM — TEMP. — PRECIPITATION
TYPE OF RIVER GAGE — ELEVATION OF RIVER GAGE ZERO Ft. — FLOOD STAGE Ft. — NORMAL POOL STAGE Ft.

MONTH Dec. 1985 — RIVER — STANDARD TIME IN USE CST

WEATHER BUREAU FORM E-13 (7-731)
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

Panama City
RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

12/85

DATE	TEMPERATURE °F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS: Rain, melted snow, etc. (Date and hundredths)	Snow, ice pellets, hail (Date and tenths)	At 08: Snow, ice pellets, hail, ice on ground (Date)	Draw a straight line (——) through hours precipitation was observed, and a curved 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
1	80	45	66	.00		0										
2	65	40	50	.27												
3	54	46	49	.01												
4	67	42	51	0												
5	48	44	47	.3												
6	63	40	41	0												
7	46	34	42	0												
8	49	42	42	0												
9	74	43	63	0												
10	74	51	62	0												
11	77	60	69	.11												
12	75	66	72	1.14												
13	73	47	61	.23												
14	45	41	43													
15	40	27	29	.1												
16	41	27	34	0												
17	50	32	41	0												
18	55	44	46	0												
19	45	32	32	0												
20	52	30	40	0												
21	50	30	30	0												
22	56	27	42	0												
23	70	42	51	.04												
24	68	46	46	0												
25	47	28	28	0												
26	38	18	18	0												
27	65	33	53	0												
28	69	35	47	1.67												
29	61	33	44													
30	64	31	37													
31	70	37	54	2.11												
	1942	1253	SUM	8.18	0		CHECK BAR (For winter months) NORMAL CK. BAR									
	Greatest						READING	DATE								

BEST AVAILABLE RECORD

REMARKS (Special observations, etc.)

12/85 Panama City 7L

BEST COPY AVAILABLE

CONDITION OF RIVER AT GAGE 43 39 46 Avg.

A. Observed by rough ice.
B. Frozen, but open at gage.
C. [illegible] surface of smooth ice.
D. [illegible] above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

PA AMA City

STATION (meteorological) Bay County Water Treatment Plant (River Station, if different)

MONTH Jan. 1986

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION

TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

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

Panama City

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

1/86

Panama City

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	7am AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, (Dec. and Jan/Feb only)	Snow, ice pellets, hail (Dec. and Jan/Feb only)	At 0h. Snow, ice pellets, hail on ground (Dec. and Jan/Feb only)	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	63	52	52	0		0											
2	66	47	58	0													
3	68	51	51	0.3													
4	59	54	56	1.12													
5	58	29	30	0													
6	56	28	46	0													
7	61	44	50	0													
8	61	44	45	0													
9	48	41	48	0.76													
10	58	47	50	1.78													
11	63	37	37	0													
12	62	32	48	0													
13	58	34	42	0													
14	60	28	45	0													
15	69	37	41	0													
16	68	35	50	0													
17	71	49	56	0													
18	71	53	58	0													
19	64	67	47	0													
20	59	39	41	0													
21	70	38	47	0													
22	72	43	60	0													
23	65	42	43	0													
24				0													
25				0													
26	65	40	40	.60													
27	40	23	23	0													
28	58	20	55	0													
29	69	46	56	0													
30	67	37	37	0													
31	69	32	44	0													
	1816	1179	SUM	4.56	0								SUM			X	

Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M. NOON P.M.

CHECK BAR (For non-recorder gage) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE

AVG 63 41 47

Comment

E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

Z Obstructed by rough ice.
P. Frozen, but open at gage.
C. Upper surface of smooth ice.
Ice gorge above gage.

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

BEST AVAILABLE RECORD

STATION (Airport) (River Station, if different) — Bay County Water Treatment Plant — MONTH: February — 19 86

STATE: Florida — COUNTY: Bay — RIVER:

TIME (local) OF OBSERVATION — TEMP. — PRECIPITATION — STANDARD TIME IN USE: CST

TYPE OF RIVER GAGE — ELEVATION OF RIVER GAGE ZERO ft. — FLOOD STAGE ft. — NORMAL POOL STAGE ft.

Panama City

E-13

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. (Highest, lowest, and at observation) MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR. AMOUNT: Rain, melted snow, and condensation	Snow, ice pellets, hail, sleet, and condensation	At Obsn. Snow, ice pellets, hail, sleet, on ground	Draw a light line (——) through hours precipitation was observed, and a heavy line (═══) through hours precipitation was occurring at time of observation. A.M. NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12	WEATHER (Calendar Day) Mark 'X' for all type occurring each day. Fog / Ice Pellets / Glaze / Thunder / Hail / Damaging Winds	Time of obsn. (Use 24-hour clock)	RIVER STAGE Condition	Stage Reading at ___ A.M.	Tendency	REMARKS (Special observations, etc.)
1	No data recorded												
2	74	32	58	-0-									
3	73	54	57	-0-									
4	75	55	67	-0-									
5	76	63	68	1.84									
6	71	58	58	0.10									
7	71	50	56	2.9									
8	72	54	57	0.28									
9	65	57	64	2.6									
10	74	63	65	0.74									
11	65	34	34	-0-									
12	50	30	37	-0-									
13	50	31	31	-0-									
14	62	31	61	0.57									
15	63	38	38	-0-									
16	65	35	46	-0-									
17	67	44	61	0.54									
18	72	58	63	-0-									
19	73	62	64	-0-									
20	74	64	68	-0-									
21	75	61	63	-0-									
22	74	58	58	0.15									
23	70	42	42	-0-									
24	68	39	54	-0-									
25	68	39	40	-0-									
26	68	36	65	-0-									
27	74	58	59	-0-									
28	No data recorded												
29													
30													
31													
	1789	1246	SUM	9.72		X	CHECK BAR (For climatological) NORMAL CK. BAR	SUM				X	

BEST AVAILABLE RECORD

CONDITION OF RIVER AT GAGE: Greatest 69 — Least 48 — Mean 55

AVG/DA 35

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.

REVISED BY NWS

PENDING — DATE

OBSERVER: Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

STATION IL (Name) Bay County Water Treatment Plant (Name of Station, if different)

MONTH March 19 86

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION RIVER | TEMP. | PRECIPITATION | STANDARD TIME IN USE CST

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

Panama City

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADM.
NATIONAL WEATH. SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DAY	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, or fall (snow, sleet, hail, and ice pellets)	Snow, ice pellets, hail (thaw, and melted)	At Obs. Snow, ice pellets, hail now on ground	Hours precipitation was observed (•••••) and reported (xxxxx)	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
1		28		0		U											
2	60	27	60	0													
3	70	60	64	0													
4	65	49	49	0													
5	59	36	40	0.16													
6	70	39	50	0													
7	66	37	45	0													
8	75	42	54	0													
9	75	42	54	0													
10	74	52	61	0													
11	76	64	64	0													
12	79	65	69	0													
13	77	56	57	1.76													
14	72	56	59	0													
15	79	57	59														
16	80	58	60	0													
17	79	53	54	0													
18	79	53	51	0													
19	76	61	61	0.21													
20	61	45	47	0.32													
21	55	37	40	0													
22	58	33	35	0													
23	68	31	41	0													
24	78	37	49	0													
25	74	43	55	0													
26	76	53	61	0													
27	82	57	57	0													
28	79	51	52	0													
29	78	50	51	0													
30	78	59	54	0													
31	80	51	55														
✓	2177	1472	SUM	2.45	0	X								SUM			X
				Greatest													

CONDITION OF RIVER AT GAGE

AVG 70 47 54

A. Obstructed by 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 (If no wire weights) NORMAL CK. BAR

READING	DATE

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

Panama City

PANAMA CITY

AVG

KEYED BY GSS

STATION (Integral) Water treatment Plant (River Station, if different) PANAMA CITY
STATE Florida
COUNTY Bay
MONTH April
YR 86
RIVER
TIME (Local) OF OBSERVATION RIVER
TEMP.
PRECIPITATION
STANDARD TIME IN USE CST & CDT
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

FT. E-13

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (liquid)	Snow, ice pellets, hail (Do not melt)	As Obs. (Snow, ice pellets, hail, ice on ground)	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 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12	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	82	49	63	0													
2	80	55	55	0													
3	80	54	61	0													
4	80	57	57	0													
5	80	55	59	0													
6	79	57	60	T													
7	84	58	67	0													
8	78	65	71	0													
9	75	53	58	0													
10	71	46	58	0													
11	74	47	60	0													
12	70	49	59	T													
13	80	53	55	0													
14	80	51	60	0													
15	76	53	65	0													
16	71	53	56	0													
17	72	48	50	0													
18	79	47	51	0													
19	76	47	62	0													
20	76	47	70	T													
21	75	55	55	0													
22	74	45	56	0													
23	75	41	46	0													
24	80	40	48	0													
25	79	43	49	0													
26	78	43	50	0													
27	80	43	58	0													
28	81	50	67	0													
29	88	58	58	0													
30	87	53	58	0													
31																	
✓	2339	1514	SUM	T			CHECK BAR (For climatological) NORMAL CK. BAR										
			Correct				READING / DATE										
AVG	78	50	58														

CONDITION OF RIVER AT GAGE
A. Obstructed by ice, etc.
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.

Fog | Ice Pel. | Glaze | Thund. | Hail | Dam. Winds | SUM

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 82-5842-1

PANAMA CITY

VEYED BY 02555

STATION (C) Bay County Water Treatment Plant (Name of Station, if diff. from above) MONTH July 19 86

STATE Florida | COUNTY Bay | RIVER

TIME (local) OF OBSERVATION | RIVER TEMP. | PRECIPITATION | STANDARD TIME IN USE CSDT

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

NWS 17-71 -13

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

BEST AVAILABLE COPY

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, sleet (Dec. and Jan. months only)	Snow, ice pellets, hail (Dec. and Jan. months only)	At Obsn. Snow, ice pellets, hail, ice on ground (Dec. and Jan. months only)	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M. 1 2 3 4 5 6 7 8 9 10 11 12 NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12	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	90	76	81	0													
2	89	70	73	.65													
3	91	73	75	0													
4	93	71	73	0													
5	92	70	74	0													
6	92	70	74	.20													
7	93	60	75	0													
8	92	70	76	0													
9	90	71	79	T													
10	90	74	81	0													
11	91	76	79	0													
12	91	79	79	0													
13	89	74	74	.04													
14	92	71	73	0													
15	94	71	77	0													
16	94	72	72	T													
17	91	70	76	0													
18	94	71	79	0													
19	94	71	83	0													
20	95	79	79														
21	94	74	78														
22	94	72	81	1.68													
23	89	74	74	.67													
24	86	73	76	.07													
25	90	73	80	.27													
26	89	75	76	.25													
27	88	74	76	.38													
28	95	74		2.95													
29	88	75		0													
30	94	74		.54													
31	90	70		0													
✓	2834	2257	SUM	7.66		X	CHECK BAR (For mid-month) NORMAL CK. BAR										
			Greatest				READING	DATE									

SUM | X

CONDITION OF RIVER AT GAGE 91 73 77

A. Obstructed by ice, etc.
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 Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

STATION (Logical) Bay County Water Treatment Plant (River Station, if different)

STATE Florida COUNTY Bay

MONTH August 19 86

RIVER

TIME (local) OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE CSDT

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

E-15

U.S. DEPARTMENT O
NATIONAL OCEANIC AND ATMOSPHERIC ADM
NATIONAL WEATH

WEATHER ICATION ERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 1200hrs MAX.	MIN.	1200 A OBSN.	PRECIPITATION 24-HR AMOUNTS 0700	Snow, ice pellets, hail (In. and tenths melted)	Snow, ice pellets, hail (In. and tenths)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	NR	NR	NR	0		C												
2	NR	NR	NR	0														
3	96	69	73	0														
4	86	69	72	0.85														
5	90	70	75	1.07														
6	90	72	72	0														
7	90	72	75	0														
8	92	74	75	0														
9	88	72	74	0.5														
10	89	71	75	T														
11	89	72	72	0.37														
12	89	70	74	0														
13	87	73	75	0														
14	89	74	77	T														
15	83	74	76	0.14														
16	91	73	81	NR														
17	90	75	75	0.41														
18	92	73	76	NR														
19	93	72	74	1.25														
20	84	72	74	3.5														
21	85	70	73	0.54														
22	90	76	77	NR														
23	95	72	80	NR														
24	96	73	82	NR														
25	89	75	75	0.04														
26	90	72	74	0.93														
27	90	71	75	0.39														
28	85	74	74	0.30														
29	75	63	63	0														
30	70	~~NR~~	67	0														Rainfall
31	78	71	71	0.19														
	2548	2012	SUM	10.48	C	X	CHECK BAR (For automatic) NORMAL CK. BAR							SUM		X		

CONDITION OF RIVER AT GAGE

AVG 88 72 74

A. Obstructed by ice, etc.
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.

Gage Ht.

READING	DATE

OBSERVER Water Plant Operator on Duty

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

Panama City

~~Bay County Water Treatment Plant~~ | Sept | 19 86

STATE: Florida | COUNTY: Bay | RIVER:

TIME (local) OF OBSERVATION | TEMP. | PRECIPITATION | STANDARD TIME IN USE: CSDT

TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

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. (Dec. and hundredths)	Snow, ice pellets, hail (Dec. and tenths)	Snow, ice on ground (tenths)	Draw a straight line through hours precipitation was observed, and a curved line through hours precipitation probably occurred unobserved. A.M. NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12	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 midnight	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	86	71	74	.01		0										
2	89	73	73	.02												
3	90	71	73	.09												
4	90	70	76	0												
5	89	72	74	.24												
6	89	72	76	0												
7	90	68	74	0												
8	89	71	73	0												
9	89	70	73	0												
10	86	71	73	1.40												
11	88	78	79	1.74												
12	87	73	75	.35												
13	90	68	68	0												
14	91	65	75	0												
15	85	73	73	0												
16	88	72	75	0												
17	88	73	74	0												
18	87	71	73	0												
19	90	70	71	0												
20	92	69	72	0												
21	92	69	73	~~MO~~ record												
22	92	70	72	1.68												
23	89	69	72	0												
24	89	70	74	0												
25	90	72	73	0												
26	93	71	74	.05												
27	91	70	74	0												
28	96	71	75	0												
29	91	72	73	0												
30	89	71	76	0												
31																
✓	2685	2046	SUM	5.58	0	X	CHECK BAR (For winter-night) NORMAL CK. BAR									
				Greatest			READING	DATE	Fog	Ice Pel.	Glaze	Thund.	Hail	Dam. Winds	SUM	X

CONDITION OF RIVER AT GAGE
AVG 90 68 74

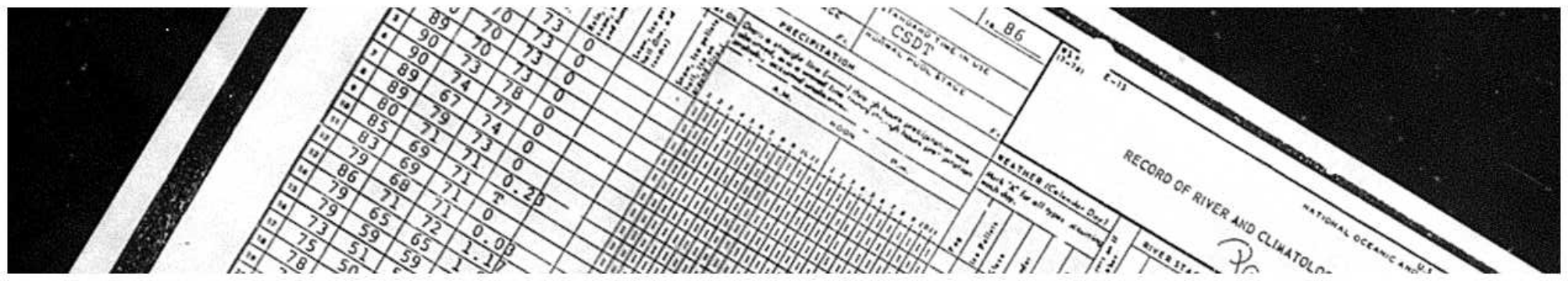
A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gage below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER: Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 03-6842-1

Late Data


CSDT
RECORD OF RIVER AND CLIMATOLO
NATIONAL OCEANIC AND
E-13
PRECIPITATION
WEATHER (Calendar Day)
RIVER STA
89 70 73 0
90 70 73 0
90 73 73 0
89 74 78 0
89 67 77 0
80 79 74 0
85 71 73 0
83 69 71 0
79 69 71 0.20
86 68 71 T
79 71 71 0
79 65 72 0.08
73 59 65 1.10
75 51 59
78 50

STATION (Meteorological) (River Station, if different): Water Treatment Plant
MONTH: Nov. 1986
STATE: Fla.
COUNTY: Bay
RIVER:
TIME (Local) OF OBSERVATION: 12
RIVER: TEMP. PRECIPITATION
STANDARD TIME IN USE: CST
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO: ft.
FLOOD STAGE: ft.
NORMAL POOL STAGE: ft.

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

BEST AVAILABLE RECORD

Day	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 12 MAX.	MIN.	12mid OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted (Snow, sleet, hail, and equivalent) in.	(Snow, ice pellets, hail (Day, and months)	Ice on Ground (Snow, ice pellets, hail, ice on ground) (Date)	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 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	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.	TEMPERATURE	REMARKS (Special observations, etc.)
1	81	61	64	0															
2	66	55	55	0															
3	80	51	57	0															
4	79	56	64	0															
5	78	64	71	.22															
6	82	66	72	0															
7	84	70	70	0															
8	84	63	64	0															
9	84	62	67	0															
10	86	65	69	0															
11	86	65	65	0															
12	83	65	65	.5															
13	70	49	49	0															
14	62	45	51	0															
15	71	48	57	0															
16	78	57	73	.28															
17	78	73	74	.19															
18	76	71	71	1.09															
19	81	65	72	0															
20	79	59	59	.54															
21	70	44	44	0															
22	73	44	59	.24															
23	79	53	66	0															
24	81	68	72	0															
25	79	70	75	.24															
26	76	58	58	0															
27	65	54	56	.11															
28	61	43	61	2.29															
29	66	62	63	1.87															
30	74	62	66	.90															
31																			
	2292	1829	SUM	8.47	-	X	CHECK BAR (For climatologist) NORMAL CK. BAR		Fog	Ice Pel.	Glaze	Thund.	Hail	Dam. Wnds.	SUM			X	

CONDITION OF RIVER AT GAGE: V 76 61
Creatout

A. Obs. influenced by ice in river.
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 ice.

READING	DATE

OBSERVER: Water Treatment Plant Operator
SUPERVISING OFFICE
STATION INDEX NO.: 08-8943-

KEYED BY CG 3/8

STATION (Climatological) Water Treatment Plant (River location, if different) PANAMA CITY 5 NE
STATE Florida
COUNTY Bay
MONTH Jan
19 87
TIME (local) OF OBSERVATION RIVER
TEMP.
PRECIPITATION
STANDARD TIME IN USE CST
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE DATUM Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

WS FORM E-15 (7-79)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City 1/87

DAY	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT 2400 OBSN.	PRECIPITATION 24-HR AMOUNTS 0700 (Rain, melted snow, etc. Enter trace as 0.00)	(Snow, ice pellets, hail. Enter trace as 0.0)	AT OBS. (Snow, ice pellets, hail, ice on ground)	Draw a straight line from ... through hours precipitation was observed, and a second line through the 24 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 2400	RIVER STAGE CONDITION	GAGE READING AT ... A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	60°	42°	45°	0.66		T											
2	53	36	30	0													
3	60	28	48	1.28													
4	50	42	42	0.12													
5	63	35	41	0													
6	67	33	43	0													
7	69	42	44	0													
8	67	42	49	0													
9	68	44	62	0.53													
10	64	44	44	0.06													
11	50	32	36	0													
12	57	31	45	0													
13	66	38	41	0													
14	67	29	66	0.57													
15	69	56	62	0.20													
16	62	57	58	2.40													
17	62	57	60	0.03													
18	72	59	70	2.80													
19	71	43	45	0.02													
20	54	41	43	0													
21	47	41	42	1.85													
22	50	37	37	0													
23	46	31	33	0													
24	60	33	54	0.90													
25	67	49	50	0													
26	52	33	33	0													
27	49	26	48	0													
28	67	42	43	0													
29	71	42	63	0													
30	72	42	54	0													
31	66	38	41	0													
	1900	1257	SUM	11.42	( )		CHECK BAR (For mm-to-inch) NORMAL CR. BAR	SUM									
AVG	61°	41°		Greatest			READING DATE										

CONDITION OF RIVER AT GAGE

A. Obstructed by frazil 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. Flood stage.

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842.1

Punched 66835

Panama City

STATION (Airport) Bay County Water Treatment Plant (River Station, if different)

MONTH Feb 19 87

STATE Florida COUNTY Bay RIVER

TIME (Local) OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE CST

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

Form E-13

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain/melted snow (Enter zero if none)	Snow, ice pellets and/or hail (Enter zero if none)	At Ob. Snow, ice pellets, hail, ice on ground	Draw a straight line (——) through hours precipitation was observed. Draw a wavy line (~~~) through hours precipitation was probably occurred unobserved. A.M. NOON P.M.	WEATHER (Calendar Day) Mark "X" for all times 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	67	38	62	0.12														
2	67	48	48	0.27														
3	69	42	53	0														
4	61	51	56	0.70														
5	56	50	50	0.18														
6	55	49	50	0.19														
7	55	46	47	0.09														
8	64	42	52	0														
9	54	33	37	0														
10	58	26	32	0														
11	61	29	38	0														
12	69	37	56	0														
13	72	43	45	0														
14	72	44	59	0														
15	75	56	66	1.12														
16	68	51	55	0														
17	60	48	51	0														
18	56	42	42	0														
19	62	38	46	0														
20	66	43	49	0														
21	52	48	51	1.0														
22	68	38	51	0.23														
23	62	44	46	1.10														
24	62	46	52	0.17														
25	64	52	55	0.60														
26	57	55	57	0														
27	73	54	55	T														
28	63	63	63	.39														
29																		
30																		
31																		
Sum	1768	1256	Sum	6.16		X	CHECK BAR (For automatic gage) NORMAL CK. BAR	Sum								X		
			Greatest				READING DATE											

CONDITION OF RIVER AT GAGE AVG 63 45 51

A. Obstructed by frazil ice. B. Frozen, but open at gage. C. Upper surface of smooth ice. D. Ice gage above gage. E. Ice gage below gage. F. Slush ice. G. Floating ice. H. Pool stage.

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION NUMBER 08-6842.1

2400 hrs
March
CST 0700

Punched 86835

STATION (Check one) Bay County-Water And Wastewater Systems (River Station, if different)

MONTH April 19 87

STATE Florida

COUNTY Bay

RIVER

TIME (Hour) OF OBSERVATION

TEMP.

PRECIPITATION

STANDARD TIME IN USE CDT

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

WBAN 4-13

Panama City

U.S. DEPARTMENT C
NATIONAL OCEANIC AND ATMOSPHERIC ADM
NATIONAL WEATH

WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

BEST AVAILABLE RECORD

4/87

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 MAX.	MIN.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Incl. any fluid from hail)	Snow, ice pellets, hail (Do not melt)	Snow, ice pellets, hail on ground at OBSN.	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	Drifting Snow	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	61	34	40	0														
2	65	38	49	0														
3	62	40	40	.36														
4	56	35	42	0														
5	60	34	44	0														
6	69	40	55	0														
7	70	46	55	0														
8	69	43	59	0														
9	76	56	61	0														
10	78	59	61	0														
11	72	54	58	0														
12	78	51	66	0														
13	60	60	68	.06														
14	78	67	68	0														
15	72	59	59	0														
16	75	53	58	0														
17	75	49	64	0														
18	82	54	55	0														
19	80	48	56	0														
20	85	53	65	0														
21	86	53	69	0														
22	84	62	72	0														
23	87	67	68	0														
24	82	55	58	0														
25	77	49	61	0														
26	82	54	58	0														
27	80	51	67	0														
28	87	62	67	0														
29	81	53	53	0														
30	81	49	64	0														
31																		
Sum	2270	1528	SUM	.42		X	CHECK BAR (For river stages) NORMAL CK. BAR							SUM			X	
				Greatest			READING / DATE											

CONDITION OF RIVER AT GAGE AVG76 51

A. Obstructed by ice or log jam. E. Ice gorge below gage.
B. Frozen, but open at gage. F. Shore ice.
C. Open surface or smooth ice. G. Floating ice.
D. Ice gorge above gage. H. Pool stage.

OBSERVER Water Treatment Plant OPERATOR

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

Punched 66835

STATION (City, town) Bay Co... y Water Treatment Plant (River Station, if different) | MONTH May | 19 87

STATE Florida | COUNTY Bay | RIVER

TIME (local) OF OBSERVATION | TEMP. | PRECIPITATION | STANDARD TIME IN USE CSDT

TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

WB F 17-7 (1-15)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADM
NATIONAL WEAT SERVICE

Panama City

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

BEST AVAILABLE RECORD

DAY	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS (Rain, melted snow, and other forms of liquid precipitation)	Snow, sleet and hail (melted)	Ice On Ground	WEATHER (Calendar Day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Tornado, Waterspout or Funnel Cloud	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	80	55	66	0													
2	81	56	59	0													
3	82	57	66	0													
4	82	61	70	0													
5	78	67	67	1.75													
6	80	63	65	0													
7	81	62	67	0.21													
8	85	64	67	0													
9	82	63	71	0													
10	79	64	68	0.32													
11	81	66	66	0													
12	83	64	66	0.55													
13	84	65	70	0													
14	88	66	66	0													
15	83	63	66	0.17													
16	81	67	67	0.72													
17	81	67	60	0.22													
18	83	70	70														
19	85	67	70	0													
20	86	67	69	0													
21	88	66	72	0													
22	86	67	72	0.65													
23	88	68	68	3.34													
24	85	67	68	2.0													
25	86	67	69	0.60													
26	87	68	69	0													
27	88	67	69	0													
28	89	67	73	0													
29	88	67	71	0													
30	89	68	69	0													
31	91	67	71	0													
✓	2610	2013	MEAN	10.53													
			Greatest														

Draw a straight line (——) through hours precipitation was observed; a wavy line (~~~) through hours precipitation was not observed. Use separate line for each 24-hour period. Any unusual readings should be explained.

A.M. NOON P.M.

1 2 3 4 5 6 7 8 9 10 11 12 | 1 2 3 4 5 6 7 8 9 10 11 12

Mark "X" for all types of weather occurring each day.

CHECK BAR (For climatological NORMAL CK. BAR)

	Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Tornado, Waterspout or Funnel Cloud	SUN
								X

READING	DATE

CONDITION OF RIVER AT GAGE 84 65

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

OBSERVER
Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO.
08-6842_1

Punched 86733

STATION (Climatological) (River Station, Tailwater): Bay County Water Treatment Plant
MONTH: June
YR: 87
STATE: Florida
COUNTY: Bay
RIVER:
TIME (local) OF OBSERVATION: RIVER: TEMP.: PRECIPITATION:
STANDARD TIME IN USE: CSDT
TYPE OF RIVER GAGE:
ELEVATION OF RIVER GAGE ZERO: Ft.
FLOOD STAGE: Ft.
NORMAL POOL STAGE: Ft.

WS FORM E-13 (7-76)
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

BEST AVAILABLE RECORD

6/87

DAY	TEMPERATURE F. 24-HR. ENDING AT OBSERVATION 2400 hrs MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS (Actual reading, incl. trace, zero and undetermined)	Snow, ice pellets, hail, ice on ground (inches)	24-HR. LIQ. EQUIV. (Snow, ice pellets, hail, ice on ground (inches))	PRECIPITATION (Time of beginning and ending of precipitation. Use 24-hr clock. Underline periods of frozen precipitation. Use R for rain, S for snow, IP for ice pellets, H for hail, ZR for freezing rain, ZL for freezing drizzle. Examples: R 0830-1210; S 1210-1730; R 1730-2400) A.M. NOON P.M.	WEATHER (Calendar Day) Mark "X" for all types of weather each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Drifting Snow	(Time of observation has different from above)	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	86	68	74	.21		0										
2	90	71	77	.38												
3	91	71	75	0												
4	93	72	72	0												
5	91	NR	71	.26												
6	89	69	74	0												
7	90	68	69	0												
8	89	67	68	0												
9	89	64	67	0												
10	91	64	72	0												
11	92	67	75	0												
12	93	67	68	.28												
13	72	77	76	2.14												
14	80	72	75	1.45												
15	83	73	74	.90												
16	85	73	79	.08												
17	86	75	79	.08												
18	89	73	75	0												
19	90	74	74	0												
20	88	72	76	T												
21	82	73	73	1.35												
22	83	60	74	.15												
23	87	72	76	.95												
24	88	73	80	.03												
25	88	77	78	.74												
26	87	74	75	0												
27	91	73	73	0												
28	92	67	68	0												
29	91	65	74	0												
30	90	75	75	0												
31																
	2548	2046	SUM	9.00	0											
			Greatest													

CHECK BAR (For non-record) NORMAL CK. BAR
RECORD | DATE

	Fog	Ice Pell.	Glaze	Thund.	Hail	Drift. Snow	SUM
							X

CONDITION OF RIVER AT GAGE: 85 68
A. Obstructed by ice. B. Frozen, but open at gage. C. Ice across entire width of channel. D. Ice above gage. E. Ice gage below gage. F. Shore ice. G. Flooding. H. Pool stage.

OBSERVER: Water Treatment Plant Operator
SUPERVISING OFFICE:

STATION INDEX NO.: 08-6842-1

KEYED BY 10461

PAP MA-0174

STATION (Climatological) Bay County Water Treatment Plant | (River Station, if different) | MONTH July | 19 87

STATE Florida | COUNTY Bay | RIVER

TIME (Local) OF OBSERVATION | RIVER TEMP. | PRECIPITATION | STANDARD TIME IN USE CST

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

NWS Form E-13 (7-78)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs: MAX.	MIN.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS: Rain, melted snow, etc. (Inc. and hundredths)	Snow, ice pellets, hail (Inc. and tenths)	At Ob.	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	89	74	75	.34		( )											
2	89	74	80	.18													
3	89	74	79	.20													
4	89	76	78	-0-													
5	90	75	76	-0-													
6	91	73	74	.01													
7	92	71	75	-0-													
8	92	72	74	.95													
9	94	71	79	-0-													
10	96	73	76	-0-													
11	97	73	77	-0-													
12	96	75	80	.17													
13	96	76	76	.08													
14	92	75	75	T													
15	92	72	73	-0-													
16	92	67	69	-0-													
17	94	64	78	-0-													
18	93	71	71	.49													
19	90	70	78	-0-													
20	87	73	73	.20													
21	85	72	73	.82													
22	90	73	75	T													
23	Not Recorded			T													
24	98	74	76	.07													
25	94	70	76	-0-													
26	93	70	73	1.98													
27	90	71	75	.02													
28	89	73	77	-0-													
29	91	74	81	-0-													
30	90	73	74	-0-													
31	90	73	80	-0-													
AVG	2750	2172	SUM	5.51	(								SUM				
	92	72		Greatest													

Panama City

CHECK BAR (From microfilm) NORMAL CK. BAR

HEADING	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. Slush ice.
G. Floating ice.
H. Flood stage.

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

Panama City

Punched 59884

STATION (Commercial) Bay County Water Treatment Plant (River Station, if different)

MONTH August 19 87

STATE Florida COUNTY Bay RIVER

TIME (Local) OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE CST

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

FORM E-15 (7-76)

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

Panama City

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

BEST AVAILABLE COPY

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs MAX.	MIN.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS (Rain, melted snow, sleet, and hail)	(Snow, ice pellets, hail (Day, and number)	AT OBS. (Snow, ice pellets, hail, rain, drizzle)	Draw a straight line (------) through hours precipitation was observed, and a wavy 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	90	77	81	-														
2	91	72	74	1.0?														
3	90	74	79	1.01														
4	90	75	81	.15														
5	88	76	78	.39														
6	90	78	81	TR														
7	9?	77	79	-0-														
8	93	74	80	-0-														
9	95	74	80	-0-														
10	93	75	82	-0-														
11	89	76	80	-0-														
12	86	75	77	1.48														
13	80	65	72	1.64														
14	80	65	75	4.28														
15	82	74	75	0.45														
16	90	75	76	-0-														
17	90	73	76	-0-														
18	90	73	78	-0-														
19	91	76	77	-0-														
20	92	74	78	-0-														
21	96	75	77	-0-														
22	95	74	74	-0-														
23	96	71	76	-0-														
24	96	78	73	-0-														
25	93	75	78	-0-														
26	91	74	76	-0-														
27	93	74	78	-0-														
28	91	74	77	0.20														
29	93	74	74	-0-														
30	92	71	76	-0-														
31	91	74	74	-0-														
	2808	2292	SUM	10.6?				SUM										
			Greatest															

CHECK BAR (For non-overnight) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE 91 74

A. Obstructed by rough ice.
B. [illegible] but open at gage.
C. [illegible] of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Flood stage.

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842

AVG

Attached 23966

NS FORM E-15
(7-70)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

STATION (Climatological) Bay County Water Treatment Plant (River Station, if different)

MONTH September 07

STATE Florida

COUNTY Bay

RIVER

TIME (local) OF OBSERVATION RIVER | TEMP | PRECIPITATION | STANDARD TIME IN USE CST

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

BEST AVAILABLE RECORD

Day	TEMPERATURE °F 24 HRS. ENDING AT OBSERVATION 2400 hrs MAX.	MIN.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (hrs. and hundredths)	Snow, ice pellets, hail (hrs. and tenths)	At Ob. Snow, ice pellets, hail on ground (Inches)	Dense a straight line connecting 1 through hours precipitation was observed, and a wavy line (point) through hours precipitation probably occurred unobserved. A.M. NOON P.M.	WEATHER (Calendar Days) mark "X" for all types observed each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Drifting Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	85	73	76	TR													
2	85	72	72	.5													
3	91	70	74	.11													
4	81	70	70	.09													
5	78	69	72	.40													
6	87	72	72	-0-													
7	87	68	71	-0-													
8	87	69	74	-0-													
9	88	72	73	-0-													
10	89	72	74	-0-													
11	85	72	74	2.66													
12	86	72	73	-0-													
13	87	73	75	.25													
14	91	72	73	-0-													
15	92	70	71	-0-													
16	87	69	73	-0-													
17	88	72	N.R.	.10													
18	91	74	76	-0-													
19	85	75	76	.36													
20	87	65	65	-0-													
21	88	65	71	-0-													
22	85	67	71	-0-													
23	84	60	60	-0-													
24	83	55	60	-0-													
25	83	58	61	-0-													
26	87	57	67	-0-													
27	89	70	70	-0-													
28	85	69	71	-0-													
29	76	69	72	1.59													
30	83	67	67	-0-													
31																	
AVG	2580	2057	SUM	6.05	11	X	CHECK BAR (For climatologists) NORMAL CK. BAR	SUM								X	

CONDITION OF RIVER AT GAGE 86 69

A. Obstructed by ice, etc. E. Ice gorge below gage.
B. Open, but open at gage. F. Shore ice.
C. Entire surface of smooth ice. G. Floating ice.
D. Ice gorge above gage. H. Pool stage.

HEADING	DATE

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842

Panama City

inches 88733

STATION (Climatological) Panama City (River Station, if different)
Bay County Water Treatment Plant
MONTH Oct. 19 87
STATE Florida
COUNTY Bay
RIVER
TIME (local) OF OBSERVATION RIVER
TEMP.
PRECIPITA
STANDARD TIME IN USE CST
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

WS FORM E-13 (7-78)
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

BEST AVAILABLE RECORD

DAY	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs: MAX.	MIN.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS: Rain, melted snow, etc. (Incl. amts. during periods of ice on gage)	Snow, ice pellets (melt. to an equiv. liq.)	At 0700: Snow, ice pellets (melt. to an equiv. liq.)	PRECIPITATION: Draw a straight line (——) through hours precipitation was observed, and a wavy 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	Snowdrift Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special abbreviations, etc.)
1	83	55	55	-0-		0											
2	85	49	57	-0-													
3	73	54	54	-0-													
4	75	47	47	-0-													
5	76	43	49	-0-													
6	76	48	66	-0-													
7	77	49	58	-0-													
8	74	44	44	-0-													
9	80	61	61	-0-													
10	81	57	63	-0-													
11	83	55	55	-0-													
12	78	60	60	-0-													
13	74	54	54	-0-													
14	73	43	44	-0-													
15	74	37	47	-0-													
16	79	43	49	-0-													
17	83	45	52	-0-													
18	85	54	54	-0-													
19	84	52	60	-0-													
20	80	56	57	-0-													
21	73	53	53	-0-													
22	72	42	50	-0-													
23	76	43	55	-0-													
24	79	52	65	-0-													
25	83	57	57	-0-													
26	83	55	65	.36													
27	74	53	53	-0-													
28	69	44	49	-0-													
29	73	37	44	-0-													
30	78	40	47	-0-													
31	80	44	59	-0-													
✓	2413	1526	SUM	.36	0	X										X	
AVG	78	49		Greatest													

CHECK BAR (For winter months) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE
A. Covered by rough ice.
B. Ice, but open at gage.
C. Water surface at smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER
Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO.
08-6812-1

Panama City

STATION (City, airport) Bay County Water Treatment Plant (River Station, if different)

MONTH Nov. 87

STATE Florida

COUNTY Bay

RIVER

TIME (local) OF OBSERVATION RIVER

TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

WSF (11-78) 4-15

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

KEYED BY 0700

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs MAX.	MIN.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Dew and frost not to be included)	Snow, sleet, hail (Dew and frost not to be included)	AT OBS. Snow, ice pellets, hail (Dew and frost not to be included)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	Drifting Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	85	44	65	-0-														
2	79	65	71	TR														
3	71	66	67	.61														
4	72	67	68	.18														
5	83	58	58	-0-														
6	72	44	44	-0-														
7	75	35	56	-0-														
8	78	51	63	-0-														
9	76	61	70	-0-														
10	72	49	49	.65														
11	57	41	43	-0-														
12	65	34	34	-0-														
13	71	32	43	-0-														
14	74	37	51	-0-														
15	80	46	62	-0-														
16	80	59	73	3.24														
17	80	59	61	.62														
18	76	57	57	-0-														
19	59	49	49	.9														
20	66	44	46	-0-														
21	61	34	35	-0-														
22	67	33	42	-0-														
23	74	42	49	-0-														
24	77	47	56	-0-														
25	77	64	66	-0-														
26	78	64	66	-0-														
27	76	64	66	TR														
28	74	56	56	.7														
29	63	45	52	-0-														
30	63	45	46	-0-														
31																		
AVG	2181	1492	SUM	6.96			CHECK BAR (For automatic) NORMAL CK. BAR							SUM				

CONDITION OF RIVER AT GAGE 73 50

A. Obstructed by rough ice. E. Ice gorge below gage.
B. Frozen, but open at gage. F. Shore ice.
C. Water surface at smooth ice. G. Floating ice.
D. Ice gorge above gage. H. Flood stage.

READING	DATE

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

BEST AVAILABLE RECORD

DATA

Panama City

STATION (Climatological regular) Bay County Water Treatment Plant (Water Station, if different)
STATE Florida
COUNTY Bay
MONTH Dec. (OVER)
19 87
TIME (local) OF OBSERVATION
RIVER
TEMP.
PRECIPITATION
STANDARD TIME IN USE CST
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

WS FORM E-13 (7-78)
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs. MAX.	MIN.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS (Rain, melted snow, etc. (Dew, frost, and hoarfrost)	(Snow, ice pellets and sleet, ice crystals)	Ice on Ground (Snow, ice pellets and sleet)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	Drifting or Blowing Snow	Time of observation if different from hours	RIVER STAGE ICE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	60	37	37	-0-														12/87
2	61	36	37	-0-														
3	66	34	65	-0-														
4	68	43	43	-0-														
5	60	29	35	-0-														
6	69	33	52	-0-														
7	72	49	63	-0-														
8	76	60	65	-0-														
9	75	59	62	TR														
10	71	47	47	-0-														
11	69	39	53	-0-														
12	73	53	58	TR														
13	68	56	59	-0-														
14	75	58	69	.21														
15	72	45	45	-0-														
16	53	35	36	-0-														
17	57	31	35	-0-														
18	64	34	44	-0-														
19	69	44	59	-0-														
20	74	58	67	-0-														
21	71	58	58	.08														
22	72	44	45	-0-														
23	71	41	50	-0-														
24	76	50	66	-0-														
25	76	59	70	-0-														
26	79	66	66	TR														
27	72	66	69	-0-														
28	72	47	47	.18														
29	54	37	37	-0-														
30	60	30	41	-0-														
31	68	41	57	.9														
✓	2123	1419	SUM	1.37	T	X	CHECK BAR (For mid-month gages) NORMAL CK. BAR											
				Greatest			READING	DATE						SUM			X	

CONDITION OF RIVER AT GAGE 68 46
A. Obstructed by rough ice.
B. Open, but open at gage.
C. Open surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER Water Treatment Plant Operator
SUPERVISING OFFICE
STATION INDEX NO. 08-6842 1

AVG

1 mi NE Panama City

NWS FORM (7-78) -13

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City FL

STATION (Climatological) Bay County-Water Treatment Plant (River Station, if different)
MONTH Jan. YR 88
STATE Florida
COUNTY Bay
RIVER
TIME (Local) OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE CST
TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO ft. FLOOD STAGE ft. NORMAL POOL STAGE ft.

BEST AVAILABLE COPY

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs MAX.	MIN.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Incl. any trace amounts)	Snow, ice pellets and sleet (Incl. any trace amounts)	Depth on ground (Last reported value)	WEATHER (Calendar Day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY
1	64	56	56	1.61		0										
2	56	46	47	.60												
3	50	46	49	.27												
4	50	39	40	-0-												
5	55	31	31	-0-												
6	56	31	45	.13												
7	53	37	37	.95												
8	41	37	37	.14												
9	41	35	36	T												
10	54	34	37	-0-												
11	57	29	30	-0-												
12	63	27	42	-0-												
13	58	36	38	-0-												
14	54	30	39	-0-												
15	58	31	39	-0-												
16	63	35	58	-0-												
17	66	56	64	.14												
18	71	62	66	.09												
19	74	65	67	1.33												
20	74	53	53	TR												
21	53	32	32	-0-												
22	57	26	42	TR												
23	N.R.	N.R.	N.R.	-0-												
24	55	42	48	.43												
25	55	40	40	-0-												
26	49	28	28	-0-												
27	52	26	27	-0-												
28	60	25	32	-0-												
29	66	28	39	-0-												
30	72	39	53	-0-												
31	74	51	59	-0-												
✓	1751	1153	SUM	5.69	0	X							SUM		X	

AVG 58 38

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

Comment

CHECK BAR (For non-recording gages) NORMAL CK. BAR

READING	DATE

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

STATION (City and) (River Station, if different): Bay County Water Treatment Plant
MONTH: Feb. 1988
STATE: Florida
COUNTY: Bay
RIVER:
TIME (local) OF OBSERVATION: RIVER: TEMP.: PRECIPITATION:
STANDARD TIME IN USE: CST
TYPE OF RIVER GAGE:
ELEVATION OF RIVER GAGE ZERO: Ft.
FLOOD STAGE: Ft.
NORMAL POOL STAGE: Ft.

WB P.O. (7-78) 13 — Panama City

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

2/88

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Incl. any fractional amounts)	Snow, ice pellets, hail (Incl. any fractional amounts)	A. Ob. Snow, ice pellets, hail, ice on ground (Incl. any fractional amounts)	Draw a straight line (——) through hours precipitation was observed, as R or S respectively. Draw a wavy 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	Drifting Snow	Time of observation if different from midnight	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	74	52	59	-0-														
2	75	57	65	-0-														
3	70	62	63	-0-														
4	73	50	50	-0-														
5	50	37	37	.30														
6	45	30	30	-0-														
7	51	23	44	-0-														
8	62	32	33	-0-														
9	63	28	35	-0-														
10	67	29	34	-0-														
11	68	29	55	.16														
12	55	28	38	-0-														
13	56	27	34	-0-														
14	67	32	46	.40														
15	63	40	40	.20														
16	62	32	35	-0-														
17	60	29	48	.27														
18	54	45	54	4.97														
19	67	53	56	1.64														
20	56	46	46	.52														
21	62	41	41	-0-														
22	64	37	45	-0-														
23	72	42	49	-0-														
24	64	38	39	-0-														
25	64	31	36	-0-														
26	63	31	42	-0-														
27	67	40	56	-0-														
28																		
29	74	44	57	-0-														
30																		
31																		
	1768	1065	SUM	8.52		X	CHECK BAR (For mid-month) NORMAL CK. BAR							SUM		X		
AVG.	63	38																

CONDITION OF RIVER AT GAGE (Observed)

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.

READING	DATE

OBSERVER: Water Treatment Plant Operator

SUPERVISING OFFICE:

STATION INDEX NO.: 08-6842-1

PANAMA CITY

STATION (City or Town) Bay Co — (Name) y Water Treatment Plant — (River Station, if different) — MONTH March — YEAR 88

STATE Florida — COUNTY Bay — RIVER

TIME (Local) OF OBSERVATION — TERM — PRECIPITATION — STANDARD TIME IN USE CST

TYPE OF RIVER GAGE — ELEVATION OF RIVER GAGE ZERO ft. — FLOOD STAGE ft. — NORMAL POOL STAGE ft.

W.B. No. 17-71 -33

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Dew, frost, and hoarfrost)	Snow, ice pellets, hail (Do not melt)	Snow, ice pellets, hail, ice on ground (Check)	At Ob.	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M. 1 2 3 4 5 6 7 8 9 10 11 12 NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12	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	77	45	45	-0-													
2	74	42	57	-0-													
3	66	67	67	4.44													
4	68	60	60	.3													
5	60	52	53	TR													
6	70	49	49	-0-													
7	74	47	51	-0-													
8	68	50	62	.48													
9	71	52	52	.19													
10	62	45	46	-0-													
11	67	38	48	-0-													
12	71	48	66	.6													
13	75	52	52	-0-													
14	58	40	40	-0-													
15	57	30	37	-0-													
16	61	35	36	-0-													
17	67	31	42	.37													
18	65	40	51	.6													
19	56	37	43	NR													
20	65	33	47	NR													
21	69	41	47	-0-													
22	73	41	46	-0-													
23	75	41	55	-0-													
24	78	54	61	-0-													
25	76	60	60	1.10													
26	71	60	64	.82													
27	79	47	48	-0-													
28	81	44	56	-0-													
29	79	55	57	-0-													
30	78	55	58	-0-													
31	80	57	64	.10													
✓	2171	1448	SUM	9.00		X											
			Greatest														

CHECK BAR (Plan wire-weight gage) NORMAL CK. BAR

READING	DATE

Fog	Ice Pel.	Glaze	Thund.	Hail	Dam. Wnds	SUM
						X

CONDITION OF RIVER AT GAGE 70 47

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 Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

BEST AVAILABLE RECORD

AVG

Panama City

Bay County Water Treatment Plant | April | 88

STATE: Florida | COUNTY: Bay

TIME (local) OF OBSERVATION RIVER | TEMP. | PRECIPITATION | STANDARD TIME IN USE: CST

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

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs MAX.	MIN.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Dew and Rime)	Snow, Ice pellets Hail (Day and month)	Ice on Ground (Depth, Day and month)	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation was probably occurred unobserved. A.M. MIDN 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	77	64	NR	NR														
2	76	63	NR	NR														
3	75	67	69	NR														
4	82	63	64	.25														
5	87	57	58	-0-														
6	81	57	58	.22														
7	79	54	60	-0-														
8	77	51	55	-0-														
9	77	49	61	-0-														
10	76	55	62	-0-														
11	70	49	49	.01														
12	62	45	45	-0-														
13	73	44	58	TR														
14	74	51	61	-0-														
15	76	55	63	-0-														
16	76	56	61	-0-														
17	77	56	67	-0-														
18	79	66	71	1.00														
19	80	55	56	-0-														
20	75	51	53	-0-														
21	78	49	65	-0-														
22	81	59	71	-0-														
23	82	71	73	-0-														
24	79	72	72	TR														
25	83	71	74	-0-														
26	84	68	68	-0-														
27	85	55	66	-0-														
28	80	59	62	-0-														
29	77	54	58	.08														
30	66	55	56	.20														
31																		
	2324	1721	SUM	1.76	0													
				Greatest														

BEST AVAILABLE COPY

CONDITION OF RIVER AT GAGE 77 57

A. Obstructed by rough ice. E. Ice gorge below gage.
B. Frozen, but open at gage. F. Shore ice.
C. [illegible] surface of smooth ice. G. Limiting ice.
D. [illegible] gorge above gage. H. Pool stage.

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

READING	DATE

Fog | Ice Pel. | Glaze | Thund. | Hail | Dmg. Wnds. | SUM | X

OBSERVER: Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

AVG

Panama City - SLVE

STATION (Climatological) (River Station, if different): Bay County-Water Treatment Plant
MONTH: May
YR: 88
STATE: Florida
COUNTY: Bay
RIVER:
TIME (Local) OF OBSERVATION: RIVER:
TEMP.:
PRECIPITATION:
STANDARD TIME IN USE: CST
TYPE OF RIVER GAGE:
ELEVATION OF RIVER GAGE ZERO: Ft.
FLOOD STAGE: Ft.
NORMAL POOL STAGE: Ft.

FORM E-15 (7-73)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs: MAX.	MIN.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS: Rain, melted snow, etc. (Inc. and hundredths)	Snow, ice pellets (to nearest tenth of inch and hundredths)	Snow, ice pellets (to nearest half inch or 0.1 cm)	6+ Hr. (On a straight line (—) each 6 hours precipitation was measured, and a zigzag line (/\/\/) each 6 hours precipitation evidently occurred but unobserved.) A.M. 1 2 3 4 5 6 7 8 9 10 11 12	NOON 1 2 3 4 5 6 7 8 9 10 11 12	P.M.	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	53	53	-0-																	
2	80	47	56	-0-																	
3	78	50	55	-0-																	
4	77	54	70	-0-																	
5	79	59	64	-0-																	
6	84	57	57	-0-																	
7	84	53	59	-0-																	
8	80	55	60	-0-																	
9	79	56	65	-0-																	
10	81	63	70	.02																	
11	88	66	69	-0-																	
12	86	54	71	-0-																	
13	77	59	60	-0-																	
14	85	55	64	-0-																	
15	85	60	67	-0-																	
16	87	62	68	-0-																	
17	87	64	71	-0-																	
18	88	58	62	-0-																	
19	85	56	62	-0-																	
20	66	58	61	-0-																	
21	85	59	73	-0-																	
22	84	71	75	-0-																	
23	83	70	75	-0-																	
24	85	68	68	.49																	
25	85	66	70	-0-																	
26	85	63	64	-0-																	
27	85	56	57	-0-																	
28	86	50	61	-0-																	
29	88	55	62	-0-																	
30	92	56	65	-0-																	
31	91	59	70	-0-																	
✓	2584	1811	SUM	0.51 Greatest		X														X	

CHECK BAR (For winter weights) NORMAL CK. BAR

READING	DATE

Fog | Ice Pel. | Glaze | Thund | Hail | Dam. Winds | SUM

CONDITION OF RIVER AT GAGE: 83 58

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

OBSERVER

SUPERVISORY OFFICE

STATION IDENTIFICATION NO. 08-6842-1

AVG

STATION (Regular) Bay County Water Treatment Plant (River Station, if different)

STATE Florida

COUNTY Bay

MONTH June 19 88

RIVER

TIME (local) OF OBSERVATION

TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

E-11

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

Panama City 59AB4

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs MAX.	MIN.	0700 hrs AT OBSN.	PRECIPITATION 24-HR AMOUNT* (Rain, melt of snow, ice, sleet, and hail)	(Snow, ice pellets, hail (Dec. and earlier))	AT OBS. (Snow, ice pellets, hail (Dec. and earlier))	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred undetected. 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 24 hours	RIVER STAGE CONDIT'N	GAGE READING AT A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	89	62	64	-0-																
2	92	63	75	-0-																
3	92	73	75	-0-																
4	85	67	67	-0-																
5	71	62	70	2.0																
6	83	68	71	1.30																
7	85	70	72	-0-																
8	84	67	76	-0-																
9	84	75	77	.26																
10	84	64	64	-0-																
11	87	58	69	-0-																
12	88	62	69	-0-																
13	88	63	72	-0-																
14	89	64	69	-0-																
15	89	66	67	-0-																
16	88	64	70	-0-																
17	88	67	68	-0-																
18	87	63	67	-0-																
19	92	65	71	-0-																
20	90	66	71	.10																
21	91	68	73	-0-																
22	89	72	74	-0-																
23	89	71	74	-0-																
24	92	72	74	-0-																
25	96	70	75	TR																
26	96	72	73	.52																
27	93	79	71	.03																
28	94	77	77	-0-																
29	89	77	80	-0-																
30	86	77	79	-0-																
31																				
	2650	2044	SUM	4.21		X	CHECK BAR (For automatic gages) NORMAL CK. BAR										SUM		X	
				Greatest			READING	DATE												

AVG. 88 68

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. Flood stage.

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

PANAMA City

STATION (Name) Bay County Water Treatment Plant (River Station, if different)

MONTH July 19 88

STATE Florida COUNTY Bay AREA

TIME (local) OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE CST

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

E-13

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

TEMPERATURE F. | PRECIPITATION | WEATHER (Calendar Day) | RIVER STAGE

DATE	24 HRS. ENDING AT OBSERVATION 2400 hrs MAX.	MIN.	0700 hrs. OBSN.	24-HR AMOUNTS Rain, melted snow, dew, and hoarfrost (inches)	Snow, ice pellets, hail (inches, and tenths)	At 0600 Snow, ice pellets, hail, ice on ground (inches)	PRECIPITATION 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	Drifting Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	84	71	74	.14		0												BEST AVAILABLE RECORD
2	89	71	72	.68														7/88
3	90	71	73	.60														
4	88	72	74	.99														
5	88	73	76	-0-														
6	89	69	76	-0-														
7	91	69	71	-0-														
8	91	65	70	-0-														
9	92	74	74	-0-														
10	89	73	75	.06														
11	88	75	78	.77														
12	88	74	75	-0-														
13	89	70	75	-0-														
14	92	73	79	-0-														
15	93	75	76	.23														
16	88	74	74	TR														
17	82	73	74	.08														
18	86	72	77	-0-														
19	86	74	75	-0-														
20	86	73	75	-0-														
21	92	73	73	1.17														
22	N.R.	N.R.	N.R.	N.R.														
23	N.R.	N.R.	N.R.	V.R.														
24	88	70	75	N.R.														
25	88	70	76	N.R.														
26	86	73	76	V. 13														
27	84	72	74	-0-														
28	88	71	74	.76														
29	93	72	76	-0-														
30	94	71	71	.70														
31	93	69	73	.58														
	2575	2082	SUM	8.09	1.	X	CHECK BAR (For climatological NORMAL CK. BAR)						SUM			X		
AVG.	89	72	Greatest				READING DATE											

CONDITION OF RIVER AT GAGE

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

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

Panama City

STATION (City, Airport) Bay Co Water Treatment Plant | (River Station, if different) | MONTH August | YR 88

STATE Florida | COUNTY Bay | RIVER

TIME (Local) OF OBSERVATION | RIVER TEMP. | PRECIPITATION | STANDARD TIME IN USE CST

TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs. MAX.	MIN.	0700 hrs OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, sleet, hail and condensation	Snow, ice pellets, hail (Date, and record)	As Of	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M. 1 2 3 4 5 6 7 8 9 10 11 12	NOON	P.M. 1 2 3 4 5 6 7 8 9 10 11 12	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	94	71	73	-0-																
2	91	71	75	-0-																
3	87	73	73	.05																
4	89	72	74	TR																
5	89	73	74	.20																
6	87	73	76	.20																
7	90	74	75	-0-																
8	85	73	74	-0-																
9	91	72	75	-0-																
10	92	72	76	.13																
11	95	72	75	.05																
12	93	74	76	.36																
13	93	74	74	-0-																
14	87	74	75	1.18																
15	85	73	75	3.75																
16	86	73	75	.41																
17	87	74	74	TR																
18	90	72	76	TR																
19	89	73	77	-0-																
20	89	73	80	TR																
21	89	73	74	.30																
22	90	71	76	-0-																
23	91	73	75	-0-																
24	91	73	77	-0-																
25	91	73	76	-0-																
26	90	73	74	-0-																
27	89	72	73	TR																
28	93	71	76	-0-																
29	91	71	75	-0-																
30	92	72	75	-0-																
31	94	72	75	-0-																
✓	2792	2250	SUM	6.73	( )	X	CHECK BAR (For automatic gage) NORMAL CK. BAR													
			Greatest				READING	DATE												

CONDITION OF RIVER AT GAGE 90 73

A. Obscured by rough ice.
B. Frozen, but open at gage.
C. Water surface at smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-8549

Punched 25209

AVG

Panama City

STATION (meteorological) Bay County Water Treatment Plant (River Station, if different)

MONTH September 19 88

STATE Florida

COUNTY Bay

RIVER

TIME (local) OF OBSERVATION

TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

FORM E-13

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs MAX.	MIN.	0700 hrs OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Dec. and hundredths)	Snow, sleet (Dec. and tenths)	Snow, ice pellets, hail (Dec. and tenths)	Depth on Ground	Draw a straight line (—) through hours precipitation was occurring, and write a number here for total precipitation probably occurred during each period. 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	Blowing Winds	Time of occurrence if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Unusual observations, etc.)
1	85	74	74	1.55																
2	82	73	76	.12																
3	87	74	75	.70																
4	84	73	78	2.00																
5	79	71	72	-0-																
6	86	67	69	-0-																
7	84	63	71	-0-																
8	74	65	65	.17																
9	75	65	75	3.31																
10	89	74	76	TR																
11	90	73	76	1.42																
12	93	74	75	-0-																
13	92	73	76	-0-																
14	94	72	77	.03																
15	88	74	77	1.40																
16	83	73	76	.76																
17	88	74	74	TR																
18	89	71	77	-0-																
19	89	71	75	-0-																
20	93	75	72	-0-																
21	93	73	77	-0-																
22	92	73	73	-0-																
23	89	70	75	-0-																
24	88	72	78	.08																
25	88	[illegible]	73	.04																
26	89	71	73	-0-																
27	89	71	73	-0-																
28	87	70	72	-0-																
29	90	68	73	-0-																
30	88	71	72	-0-																
31																				
	[illegible] 2400 hrs			11.53																
	Greatest																			
AVG	87	71																		

CHECK BAR (For non-synoptic) NORMAL CK. BAR

READING DATE

SUM

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 28-6842

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. Flood stage.

9/88

BEST COPY AVAILABLE

KEYED BY 09604

STATION (Telegram) Bay County Water Treatment Plant (River Station, if different)
STATE Florida
COUNTY Bay
MONTH October 19 88
RIVER
TIME (local) OF OBSERVATION
RIVER TEMP.
PRECIPITATION
STANDARD TIME IN USE Cst
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

Form E-13
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City FL

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs MAX.	MIN.	0700 hrs AT OBSN.	PRECIPITATION 24-HR. AMOUNT Rain, melted snow, etc. (Dec. and hundredths)	Snow, sleet (melted) (Dec. and tenths)	Snow, sleet on ground (Whole inch)	Draw a straight line (——) for rough hours precipitation was observed, and = across hours (from) through hours precipitation probably occurred unobserved. A.M. NOON P.M.	WEATHER (Calendar Day) Mark "X" for all that occurred 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	85	70	71	1.19									
2	85	70	70	2.40									
3	83	64	67	.09									
4	78	62	66	-0-									
5	77	58	63	-0-									
6	80	56	61	-0-									
7	76	53	56	-0-									
8	74	50	54	-0-									
9	75	48	56	-0-									
10	76	51	58	-0-									
11	73	53	55	-0-									
12	78	55	58	-0-									
13	72	50	50	-0-									
14	74	42	46	-0-									
15	79	44	52	-0-									
16	82	44	55	-0-									
17	82	52	57	-0-									
18	82	53	58	-0-									
19	83	56	63	-0-									
20	78	60	60	-0-									
21	82	58	60	-0-									
22	76	47	50	-0-									
23	76	44	69	-0-									
24	78	49	49	-0-									
25	78	42	49	-0-									
26	79	45	56	-0-									
27	79	45	66	-0-									
28	82	63	64	-0-									
29	81	64	64	-0-									
30	80	63	66	1.70									
31	67	58	58	.02									
	2430	1669	SUM	5.40	11	X	CHECK BAR (For accumulated) NORMAL CK. BAR		SUM		X		
AVG.	78	53		Greatest			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 Water Treatment Plant Operator
SUPERVISING OFFICE
STATION INDEX NO. 08-6842-14

KEYED BY 10401

AVG

STATION (City or Airport) Bay Co. Water Treatment Plant (River Station, if different)

STATE Florida

COUNTY Bay

MONTH November 19 88

RIVER

TIME (local) OF OBSERVATION 0700

TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO ft.

FLOOD STAGE ft.

NORMAL POOL STAGE ft.

WBAN 13-

E-13

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

PANAMA CITY FL

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 hrs MAX.	MIN.	0700 hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted sleet, snow, ice pellets and hail (liquid equivalent)	Snow, ice pellets and hail, ice on ground (inches)	As Obs. Snow, ice pellets and hail, ice on ground (inches)	Draw a straight line (——) through hours precipitation was also occurring, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M. MIDN P.M.	WEATHER (Calendar Day) Mark "1" 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	69	50	50	-0-		0												
2	79	46	50	-0-														
3	77	48	63	-0-														
4	80	59	74	1.20														
5	75	61	64	-0-														
6	69	45	46	-0-														
7	74	40	50	-0-														
8	78	50	60	-0-														
9	80	52	52	-0-														
10	78	52	64	-0-														
11	78	48	51	-0-														
12	76	52	62	.19														
13	80	60	63	-0-														
14	79	62	66	-0-														
15	80	62	64	-0-														
16	82	61	72	.70														
17	75	56	57	-0-														
18	80	57	65	-0-														
19	80	65	73	-0-														
20	76	54	54	.77														
21	65	48	56	TR														
22	61	52	52	-0-														
23	70	51	53	-0-														
24	73	47	51	-0-														
25	73	51	60	-0-														
26	73	59	73	TR														
27	79	54	54	-0-														
28	61	36	39	-0-														
29	65	32	37	-0-														
30	71	35	56	-0-														
31																		
	2236	1542	SUM	2.86	0	X												
			Greatest															

CHECK BAR (For minimum night) NORMAL CK. BAR

	Fog	Ice Pel.	Glaze	Thund.	Hail	Dmg. Winds	SUM
							X

HEADING	DATE

CONDITION OF RIVER AT GAGE 75 51

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 Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

PANAMA CITY FAF

STATE (Meteorological) Florida — (River Station, if different) Bay County Water Treatment Plant — MONTH December — 19 88

COUNTY Bay — RIVER —

TIME (local) OF OBSERVATION RIVER — TEMP. — PRECIPITATION — STANDARD TIME IN USE CST

TYPE OF RIVER GAGE — ELEVATION OF RIVER GAGE DATUM ft. — FLOOD STAGE ft. — NORMAL POOL STAGE ft.

FORM E-13 -791 — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 Hrs MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, and fog (dew, etc. dew and hoarfrost)	Snow, ice pellets, hail (liquid equiv.)	Snow, ice pellets, hail (dew, and frost)	Ice on ground at 0700	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	Snow	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	69	38	45	-0-			0													
2	57	30	32	-0-																
3	60	27	35	-0-																
4	70	35	49	-0-																
5	70	38	39	-0-																
6	67	34	42	-0-																
7	72	40	49	-0-																
8	65	47	56	-0-																
9	66	48	48	.40																
10	63	43	51	.37																
11	51	43	45	.57																
12	46	32	32	.06																
13	61	26	33	-0-																
14	64	30	48	-0-																
15	64	48	51	-0-																
16	57	35	35	TR																
17	54	29	36	-0-																
18	53	29	29	-0-																
19	62	26	35	-0-																
20	73	34	56	-0-																
21	74	47	59	-0-																
22	76	55	56	-0-																
23	74	53	64	-0-																
24	76	53	67	-0-																
25	75	40	44	-0-																
26	74	42	53	-0-																
27	75	49	58	-0-																
28	74	48	48	.14																
29	64	46	47	-0-																
30	69	46	65	-0-																
31	71	46	70	.42																
✓	2046	1237	SUM	1.96	0	X		CHECK BAR (For climatological) NORMAL CK. BAR								SUM		X		
				Greatest				READING DATE												

CONDITION OF RIVER AT GAGE 66 40 AVG

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 ample.

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

93284

PAPER COPY FILE

KEYED BY 00732

STATION (Climatological)	(River Station, if different)	MONTH	YEAR
Bay County Water Treatment Plant		January	89

STATE	COUNTY	RIVER
Florida	Bay	

TIME (local) OF OBSERVATION	RIVER TEMP.	PRECIPITATION	STANDARD TIME IN USE
			CST

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

WS F. (7-78)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

BEST AVAILABLE COPY

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 Hrs MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Dec. and hundredths)	Snow, sleet and ice pellets (tenths)	Snow, ice pellets, hail, ice on ground (Dec.)	Draw a straight line through hours precipitation was observed, and a wiggly line through hours precipitation did not occur. Use 24-hr clock. 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 0700	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	76	65	65	-0-														
2	75	54	55	-0-														
3	74	52	59	-0-														
4	64	37	37	-0-														
5	65	33	52	-0-														
6	76	50	67	-0-														
7	76	62	68	-0-														
8	76	67	69	-0-														
9	69	54	55	.07														
10	70	55	56	-0-														
11	65	56	59	-0-														
12	75	59	66	.10														
13	77	61	61	TR														
14	76	62	69	-0-														
15	74	60	60	-0-														
16	60	37	37	-0-														
17	66	34	37	-0-														
18	70	49	49	-0-														
19	71	45	55	-0-														
20	57	49	49	.07														
21	53	42	47	-0-														
22	69	43	47	-0-														
23	70	38	42	-0-														
24	74	36	39	-0-														
25	76	36	44	-0-														
26	74	42	54	-0-														
27	77	46	47	-0-														
28	77	41	45	-0-														
29	75	43	64	-0-														
30	75	51	51	-0-														
31	72	44	66	-0-														
✓	2200	1502	SUM	0.24	X		CHECK BAR (For mid-month and month-end) NORMAL CK. BAR							SUM		X		
AVG	71	48																

CONDITION OF RIVER AT GAGE
A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. [illegible] edges of smooth ice.
D. [illegible] above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Flood stage.

READING	DATE

OBSERVER
Bay County Water Treatment Plant

SUPERVISING OFFICE

STATION INDEX NO.
08-6842-1

E-15

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

PANAMA CITY 5 NE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Typical) (River Station, if different): Bay County Water Treatment Plant
MONTH: February 19 89
STATE: Florida
COUNTY: Bay
RIVER:
TIME (local) OF OBSERVATION: RIVER: TEMP.: PRECIPITATION:
STANDARD TIME IN USE: CST
TYPE OF RIVER GAGE:
ELEVATION OF RIVER GAGE ZERO: F.
FLOOD STAGE: F.
NORMAL POOL STAGE: F.

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNT Rain, melted snow, misc. (Dew, frost, and hoarfrost)	Snow, ice pellets, hail (Dew, and frost)	At 08: Snow, ice pellets, hail, ice at station (Zero)	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation was probably occurred unobserved. A.M. NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12 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 obs unless different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	78	60	69	-0-		0											
2	79	66	67	-0-													
3	76	65	69	-0-													
4	74	58	58	-0-													
5	78	54	69	.02													
6	74	68	69	.12													
7	70	43	43	-0-													
8	70	38	44	-0-													
9	55	37	37	-0-													
10	55	30	31	-0-													
11	60	28	38	-0-													
12	70	33	43	-0-													
13	73	44	57	-0-													
14	78	56	59	TR													
15	79	54	54	-0-													
16	82	53	59	-0-													
17	75	54	54	-0-													
18	62	49	49	-0-													
19	70	46	46	-0-													
20	71	51	51	.18													
21	71	55	56	1.88													
22	56	41	41	-0-													
23	41	28	28	-0-													
24	48	24	30	-0-													
25	59	23	35	-0-													
26	69	35	47	-0-													
27	71	46	65	.08													
28	78	60	60	-0-													
29																	
30																	
31																	
✓	1922	1300	SUM	2.28	0	X	CHECK BAR (For winter months) NORMAL CK. BAR	Fog	Ice Pel.	Glaze	Thund.	Hail	Dam. Winds	SUM			X

CONDITION OF RIVER AT GAGE: Observed

AVG 69 46

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. Flood stage.

READING	DATE

OBSERVER: Bay County Water Treatment Plant Operator

SUPERVISING OFFICE:

STATION INDEX NO. 08-6842-1

STATION IC: Bay County Water Treatment Plant
MONTH: March 19 89
STATE: Florida
COUNTY: Bay
RIVER:
TIME (local) OF OBSERVATION: 0700 Hrs
TEMA:
PRECIPITATION:
STANDARD TIME IN USE: CST
TYPE OF RIVER GAGE:
ELEVATION OF RIVER GAGE DATUM: Ft.
FLOOD STAGE: Ft.
NORMAL POOL STAGE: Ft.

E-15

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

Switched 00749

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 Hrs MAX.	MIN.	0700 Hrs AT OBSTN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Date, and hundredths)	Snow, ice pellets, hail (Date, and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (Date)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	60	55	55	-0-		0												
2	58	53	53	1.08														
3	77	53	65	TR														
4	80	53	67	-0-														
5	79	53	64	-0-														
6	64	41	42	-0-														
7	42	37	41	-0-														
8	50	40	41	-0-														
9	67	39	39	-0-														
10	73	36	44	-0-														
11	72	38	57	-0-														
12	74	54	60	-0-														
13	72	59	65	-0-														
14	77	61	67	-0-														
15	77	66	66	-0-														
16	78	57	58	-0-														
17	81	53	56	-0-														
18	81	53	64	-0-														
19	86	59	59	-0-														
20	86	56	69	-0-														
21	79	61	61	.78														
22	68	58	65	1.45														
23	68	52	52	TR														
24	58	49	54	-0-														
25	71	49	51	-0-														
26	80	47	59	-0-														
27	78	53	57	-0-														
28	81	55	51	-0-														
29	80	59	72	1.39														
30	77	59	69	-0-														
31	79	68	64	-0-	0	X												
	2252	1626	SUM	4.70	0	X	CHECK BAR (For environmental use) NORMAL CK. BAR						SUM			X		
				Greatest			READING / DATE											

CONDITION OF RIVER AT GAGE: 73 52

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.

AVG

BEST AVAILABLE RECORD

OBSERVER: Water Treatment Plant Operator

SUPERVISING OFFICE:

STATION INDEX NO.: 08-6842-1

NWS FC (7-78) -15

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

STATION (Climatological) Bay County Water Treatment Plant (River Station, if different)
MONTH April 19 89
STATE Florida
COUNTY Bay
RIVER
TIME (local) OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE CST
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 2400 Hrs MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Dew, frost, and fog not included)	Snow, ice pellets (Dew, frost, and fog not included)	At 0600 Snow, ice pellets (Amt. on ground)	Draw a straight line (——) through hours precipitation was observed, and a zigzag 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	Snow	Thunder	Hail	Damaging Winds	Time of observation is different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	70	42	43	-0-													
2	74	38	55	-0-													
3	76	51	68	-0-													
4	81	68	70	1.46													
5	71	56	57	-0-													
6	69	44	63	-0-													
7	75	49	49	-0-													
8	77	48	68	-0-													
9	80	53	54	-0-													
10	55	47	47	.08													
11	65	45	48	-0-													
12	72	42	58	-0-													
13	78	53	53	-0-													
14	73	50	66	1.04													
15	78	63	64	-0-													
16	80	56	57	-0-													
17	83	53	62	-0-													
18	81	61	64	-0-													
19	82	59	68	-0-													
20	80	62	63	.15													
21	80	58	58	-0-													
22	81	53	60	-0-													
23	81	53	55	-0-													
24	81	52	61	-0-													
25	82	55	64	-0-													
26	85	59	69	-0-													
27	85	59	68	-0-													
28	82	65	72	-0-													
29	82	64	68	.32													
30	82	64	71	.39													
31																	
AVG	2321	1622	SUM	3.44			CHECK BAR (For wire-weight) NORMAL CK. BAR						SUM				
	77	54	Greatest				READING	DATE									

CONDITION OF RIVER AT GAGE
A. Obscured by ice. E. Ice gorge below gage.
B. Frozen, but open at gage. F. Shore ice.
C. Water surface at zero ice. G. Floating ice.
D. Ice gorge above gage. H. Pool stage.

OBSERVER
Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO.
88-5229.01

KEYED BY 10461

FORM E-13 (...-78)

U.S. DEPARTM... OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ...INISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

STATION (...climatological) (River Station, if different): Bay County Water-Treatment Plant
MONTH: May '89
STATE: Florida
COUNTY: Bay
RIVER:
TIME (local) OF OBSERVATION: 2400 Hrs
YEAR:
PRECIPITATION:
STANDARD TIME IN USE: CST
TYPE OF RIVER GAGE:
ELEVATION OF RIVER GAGE ZERO: Ft.
FLOOD STAGE: Ft.
NORMAL POOL STAGE: Ft.

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 Hrs MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS (Rain, melted snow, ice pellets, dew, and hail)	Snow, ice pellets (new snow and sleet)	Snow, ice on ground (at 0700 Local Time)	Draw a straight line (—) through hours precipitation was observed, and a wavy line (~) through hours precipitation was observed but not recorded. A.M. NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12	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	78	67	68	1.30													5/89
2	80	58	58	-0-													
3	83	52	62	-0-													
4	79	60	71	-0-													
5	82	71	72	-0-													
6	83	68	69	-0-													
7	76	52	53	-0-													
8	78	47	69	-0-													
9	81	69	71	.31													
10	76	56	56	.37													
11	78	48	58	-0-													
12	76	47	52	-0-													
13	79	52	60	-0-													
14	78	54	62	-0-													
15	85	57	67	-0-													
16	86	65	68	-0-													
17	88	65	66	-0-													
18	90	63	72	.09													
19	83	69	71	-0-													
20	85	68	73	.37													
21	74	64	67	.73													
22	83	62	76	-0-													
23	82	68	69	.78													
24	84	67	76	.05													
25	86	77	72	-0-													
26	87	74		-0-													
27	90	75		-0-													
28	94	74	76	-0-													
29	91	69	71	-0-													
30	87	70	71	.06													
31	88	70	71	.12													
	2570	1958	SUM	4.14													
AVG.			Greatest				CHECK BAR (For ... NORMAL CK. BAR										
	CONDITION OF RIVER AT GAGE 83 63						HEADING	DATE									

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: Water Treatment Plant Operator

SUPERVISING OFFICE:

STATION INDEX NO.: 08-6842-1

KEYED BY 01114

STATION (City, county, state if different): Bay County Water Treatment Plant
MONTH: June
YR: 89
STATE: Florida
COUNTY: Bay
RIVER:
TIME (local) OF OBSERVATION: RIVER: TEMP.: PRECIPITATION:
STANDARD TIME IN USE: CST
TYPE OF RIVER GAGE:
ELEVATION OF RIVER GAGE DATUM: Ft.
FLOOD STAGE: Ft.
NORMAL POOL STAGE: Ft.

WS FORM (3-73) -13

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

BEST AVAILABLE COPY

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Incl. any bottomwater)	Snow, ice pellets, hail (Incl. any melted value)	AT OBSN. Snow, ice pellets, hail on ground (Incl. any melted value)	Draw a straight solid line through hours precipitation was occurring, and a dashed 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 obsn. (Use 24-hr clock)	RIVER STAGE CONDITION	GAGE READING AT 7 A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	91	67	76	-0-														
2	85	70	73	-0-														
3	87	69	72	-0-														
4	87	68	76	-0-														
5	86	68	69	2.25														
6	81	69	72	.43														
7	87	68	70	.78														
8	82	69	81	1.50														
9	85	71	74	.02														
10	88	71	76	TR														
11	86	73	73	-0-														
12	88	68	78	-0-														
13	88	71	80	-0-														
14	89	77	82	-0-														
15	84	73	73	.55														
16	74	68	70	2.80														
17	86	68	75	.60														
18	89	68	75	-0-														
19	85	69	73	.58														
20	86	72	77	1.58														
21	87	70	76	.12														
22	86	70	74	1.20														
23	91	73	74	.42														
24	88	70	73	.98														
25	90	68	74	1.70														
26	91	71	75	-0-														
27	90	71	74	-0-														
28	90	72	77	-0-														
29	88	73	74	.07														
30	90	70	75	-0-														
31					15.58													
	2605	2105	SUM	16.58			CHECK BAR (For automatic gage) NORMAL CR. BAR							SUM				
AVG	87	70					HEADING: 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: Water Treatment Plant Operator
SUPERVISING OFFICE:
STATION INDEX NO.: 08-6842-1

BEST COPY AVAILABLE

STATION (City, airport) Bay County Water Treatment Plant (River Station, if different)

MONTH July 19 89

STATE Florida

COUNTY Bay

RIVER

TIME (local) OF OBSERVATION

TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

W.B. No. 1 (7-78) E-13

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama FL.

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 Hrs MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Dec. and hundredths)	Snow, ice pellets (tenths)	Snow, ice pellets, hail (Dec. and tenths)	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M. 1 2 3 4 5 6 7 8 9 10 11 12 NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12	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	BEST AVAILABLE RECORD REMARKS (Special observations, etc.)
1	90	70	72	-0-		0											
2	90	70	75	.30													
3	88	73	77	.56													
4	88	73	76	.59													
5	84	74	78	.50													
6	88	76	76	.06													
7	90	72	77	-0-													
8	90	72	76	-0-													
9	92	72	75	-0-													
10	92	72	78	-0-													
11	94	72	81	-0-													
12	94	73	75	.50													
13	89	71	72	.90													
14	86	72	81	.05													
15	86	72	75	1.37													
16	86	73	74	.36													
17	88	73	77	-0-													
18	89	72	76	.03													
19	88	72	81	.21													
20	88	75	81	.16													
21	84	71	76	1.36													
22	81	71	73	.87													
23	83	72	75	1.16													
24	89	73	73	.17													
25	93	72	79	-0-													
26	94	74	74	-0-													
27	92	71	75	-0-													
28	90	73	80	-0-													
29	90	76	79	-0-													
30	91	75	79	-0-													
31	91	74	77	-0-													
✓	2758	2251	SUM	9.15	0	X											
				Greatest													

CHECK BAR (For automatic gage) NORMAL CK. BAR

READING	DATE

Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	SUM	
							X

CONDITION OF RIVER AT GAGE 89 73

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

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 99-6842-1

AVG

KEYED BY 00732

PANAMA CITY

STATION (Meteorological) (River Station, if different): Bay County Water Treatment Plant
MONTH: August '89
STATE: Florida
COUNTY: Bay
RIVER:
TIME (Local) OF OBSERVATION: RIVER / TEMP. / PRECIPITATION
STANDARD TIME IN USE: CST
TYPE OF RIVER GAGE / ELEVATION OF RIVER GAGE ZERO ft. / FLOOD STAGE ft. / NORMAL POOL STAGE ft.

FORM E-15 (7-76)
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City

BEST AVAILABLE COPY

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 Hrs. MAX.	MIN.	0700 Hrs. AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (liq., and equivalents)	Snow, ice pellets (melt. liq. equiv.)	Ice On Ground (Snow, ice pellets, hail, rain, and frazil)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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 2400	RIVER STAGE CONDITION / GAGE READING AT ___ A.M. / TENDENCY	REMARKS (Special observations, etc.)
1	91	74	76	-0-						
2	92	73	78	-0-						
3	95	72	81	-0-						
4	98	76	78	-0-						
5	98	73	80	-0-						
6	96	74	82	-0-						
7	92	75	76	.54						
8	83	69	71	.15						
9	86	70	73	-0-						
10	84	70	70	-0-						
11	88	68	70	-0-						
12	85	68	71	-0-						
13	87	71	72	-0-						
14	86	68	72	.62						
15	85	67	72	-0-						
16	87	69	74	-0-						
17	89	71	76	-0-						
18	92	73	73	-0-						
19	81	--	74	.95						
20	92	73	77	TR						
21	88	75	76	.35						
22	90	73	77	-0-						
23	92	74	76	-0-						
24	92	73	77	-0-						
25	92	74	77	-0-						
26	94	75	75	.10						
27	94	76	77	-0-						
28	92	74	77	-0-						
29	92	74	74	-0-						
30	92	72	76	-0-						
31	92	74	74	.13						
✓	2797	2168	SUM	2.84				Sum		
AVG.	90	72	Greatest							

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. Flood stage.

CHECK BAR (For automatic gage) NORMAL CK. BAR

READING	DATE

OBSERVER: Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

STATION (Logical) Bay - City Water Treatment Plant (Airport Station, if different)

MONTH September 89

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION

TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

W.S. Form E-13

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Panama City, Fla.

BEST AVAILABLE RECORD

DAY	TEMPERATURE F. 24 HR*, ENDING AT OBSERVATION 2400 Hrs. MAX.	MIN.	0700 Hrs. AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, sleet (Dew, frost, and fog not measured)	Snow, sleet (Ice pellets not included)	24-HR OBS. Snow on ground, last observation (Inches and tenths)	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M. 1 2 3 4 5 6 7 8 9 10 11 12 NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12	WEATHER (Calendar Day) Mark "X" for all types occurring each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of ob. revision if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	89	74	75	0.04		O											
2	98	75	78	-0-													
3	95	74	74	.40													
4	88	74	76	-0-													
5	92	73	76	-0-													
6	92	70	74	-0-													
7	93	72	78	-0-													
8	93	74	76	-0-													
9	93	72	72	-0-													
10	95	69	72	-0-													
11	95	71	71	-0-													
12	96	69	71	-0-													
13	94	68	73	-0-													
14	90	70	72	-0-													
15	90	69	74	.74													
16	87	72	76	-0-													
17	89	66	68	-0-													
18	91	65	67	-0-													
19	89	65	68	-0-													
20	87	61	64	-0-													
21	88	64	66	-0-													
22	87	64	70	-0-													
23	89	64	73	-0-													
24	74	61	61	1.51													
25	79	61	67	1.02													
26	79	61	68	-0-													
27	81	68	69	-0-													
28	80		68	-0-													
29	82	67	NR	.05													
30	87	67	73	1.37													
31																	
SUM				5.13	0		CHECK BAR (For microweight) NORMAL CK. BAR										
Greatest				1.51			READING	DATE									

AVG.

CONDITION OF RIVER AT GAGE 89 68

A. Observed 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 Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1 1

KEYED BY 01114

STATION (City or local) Panama City #5 Northeast (River Stage only, if different) N.
MONTH Oct. YR 89
STATE Florida
COUNTY Bay
RIVER
TIME (local) OF OBSERVATION
RIVER TEMP.
PRECIPITATION
STANDARD TIME IN USE CST
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

WSFO (7-70) E-15

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DAY	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 Hrs MAX.	MIN.	0700 hrs OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Enter trace as 0.00)	Snow, ice pellets, hail (Enter trace as 0.0)	Ice On Gage (Enter trace as 0.0)	Draw a straight line (——) through hours precipitation was occurring, and a wavy line (~~~) through hours precipitation was occurring but not recorded. 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 OF GAGE	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	82	67	67	2.35														
2	85	62	66	-0-														
3	88	63	66	-0-														
4	88	62	64	-0-														
5	87	58	69	-0-														
6	89	64	71	0.07														
7	NR	NR	NR	NR														
8	81	66	66	-0-														
9	78	57	61	-0-														
10	73	59	65	-0-														
11	83	58	67	-0-														
12	81	65	71	-0-														
13	78	68	69	0.03														
14	80	66	70	-0-														
15	87	69	71	-0-														
16	89	71	72	-0-														
17	80	70	70	-0-														
18	79	56	56	1.37														
19	56	42	42	-0-														
20	58	36	37	-0-														
21	67	33	42	-0-														
22	75	33	49	-0-														
23	79	47	48	-0-														
24	80	48	58	-0-														
25	79	49	56	-0-														
26	80	46	59	-0-														
27	82	54	58	-0-														
28	NR	NR	NR	NR														
29	81	46	63	-0-														
30	84	58	60	-0-														
31	82	55	62	-0-														
✓	2311	1628	SUM	3.82	0	X	CHECK BAR (For winter months) NORMAL CK. BAR							SUM			X	
				Greatest			READING	DATE										

CONDITION OF RIVER AT GAGE 80 56 AVG

A. Observed by rough ice.
B. Frozen, but open at gage.
C. Water surface at smooth ice.
D. Ice gage above gage.
E. Ice gage below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION UNDER NO. 08-6842-1

FORM E-13
781

U.S. DEPARTM OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHER NISTRATION
NATIONAL HER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (meteorological) (River Station, if different): Panama City #5 Northeast
MONTH: Nov. 19 89
STATE: Florida
COUNTY: Bay
RIVER:
TIME (local) OF OBSERVATION: RIVER: TEMP.: PRECIPITATION:
STANDARD TIME IN USE: CST
TYPE OF RIVER GAGE:
ELEVATION OF RIVER GAGE ZERO: Ft.
FLOOD STAGE: Ft.
NORMAL POOL STAGE: Ft.

BEST AVAILABLE RECORD

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 Hrs MAX.	MIN.	0700 hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, dew, and hail (to hundredths)	Snow, ice pellets and hail (tenths)	As Of 0700 hrs Snow, ice pellets and hail (tenths) on ground
1	78	57	61	-0-		
2	78	58	58	0.07		
3	71	41	41	-0-		
4	74	37	49	-0-		
5	80	45	53	-0-		
6	77	51	71	4.25		
7	60	52	59	.18		
8	65	54	56	1.37		
9	72	48	52	-0-		
10	78	38	38	-0-		
11	82	38	42	-0-		
12	80	42	52	-0-		
13	85	50	57	-0-		
14	76	56	69	-0-		
15	81	65	67	0.42		
16	68	42	42	-0-		
17	54	35	42	-0-		
18	54	42	47	-0-		
19	63	45	46	-0-		
20	70	39	51	-0-		
21	78	51	60	-0-		
22	76	60	62	.17		
23	62	42	42	-0-		
24	64	35	44	-0-		
25	70	44	62	0.14		
26	78	54	55	-0-		
27	76	51	68	-0-		
28	77	58	58	0.68		
29	61	42	42	-0-		
30	60	36	41	-0-		
31						
	2148	1412	Sum	7.28	0	X
AVG	72	47	Greatest			

PRECIPITATION — Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred but was not observed. A.M. NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12

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	RIVER STAGE GAGE READING AT ___ A.M.	RIVER STAGE TENDENCY	REMARKS (Special observations, etc.)
Sum									X	

CHECK BAR (For wire weight) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE

A. Observed 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.

OBSERVER: Water Treatment Plant Operator

SUPERVISING OFFICE:

STATION INDEX NO.: 08-6842-1

STATION (Local) Panama City #5 Northeast (River Station, if different)

MONTH Dec. 19 89

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION

TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

E-15

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DAY	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION 2400 HRS MAX.	MIN.	0700 HRS AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (liquid)	Snow, ice pellets, hail (liquid equiv.)	at 0700 Snow, ice pellets, hail (liquid equiv.)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	65	40	42	-0-		0												
2	65	37	52	-0-														
3	65	35	35	-0-														
4	52	26	30	-0-														
5	64	30	41	-0-														
6	70	40	58	-0-														
7	72	55	65	1.42														
8	69	50	50	.45														
9	69	41	42	-0-														
10	51	38	43	-0-														
11	66	43	54	TR														
12	71	39	40	.74														
13	51	27	27	-0-														
14	59	25	28	-0-														
15	69	28	35	.42														
16	48	31	31	-0-														
17	49	30	31	-0-														
18	49	31	41	.27														
19	45	41	45	.06														
20	47	41	42	.32														
21	51	42	43	-0-														
22	58	30	30	-0-														
23	33	16	16	.14	M	M			X									Snow & Sleet
24	28	12	13	-0-		M												
25	33	13	28	-0-		M												
26	44	25	28	-0-		0												
27	NR	NR	NR	(NR)														
28	65	32	38	-0-														
29	68	1933	45	-0-														
30	67	44	51	-0-														
31	73	51	67	-0-														
	1715	1041	SUM	3.82	(0)		CHECK BAR (For winter months) NORMAL CK. BAR	Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	SUM				

Greatest

READING DATE

CONDITION OF RIVER AT GAGE 57 35 AVG

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Water surface at smooth ice.
D. Ice gage above gage.
E. Ice gage below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION IDENTIFICATION 08-6842-14

BEST AVAILABLE COPY

KEYED BY 09216

STATION (Climatological) Panar City #5 Northeast (River Station, if different)

MONTH Jan. 19 90

STATE Florida

COUNTY Bay

RIVER CST

TIME (local) OF OBSERVATION RIVER | TEMP. | PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

WS FORM E-15 (-78)

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 2400 Hrs MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Dec. and hundredths)	Snow, ice pellets, hail (Dec. and tenths)	At Ob. Snow on ground (Whole inches)	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M. 1 2 3 4 5 6 7 8 9 10 11 12	P.M. 1 2 3 4 5 6 7 8 9 10 11 12	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	69	42	42	1.60		0													
2	57	33	36	-0-															
3	60	36	49	-0-															
4	70	48	54	-0-															
5	73	51	62	.53															
6	70	62	65	.92															
7	615	58	539	.20															
8	69	53	53	-0-															
9	57	43	43	-0-															
10	59	42	49	-0-															
11	71	38	63	-0-															
12	68	51	51	-0-															
13	65	34	35	-0-															
14	59	27	29	-0-															
15	62	29	38	-0-															
16	71	38	48	-0-															
17	76	48	59	-0-															
18	76	48	53	-0-															
19	76	52	56	-0-															
20	78	56	60	-0-															
21	77	60	66	TR															
22	68	38	44	.18															
23	66	32	35	-0-															
24	66	34	57	-0-															
25	75	57	68	-0-															
26	77	32	32	.05															
27	58	29	45	-0-															
28	66	39	50	-0-															
29	71	50	66	-0-															
30	75	34	38	.06															
31	63	38	50	.11															
Sum	2111	1334	SUM	3.65	1)	X	CHECK BAR (For microfilm only) NORMAL CK. BAR										SUM		X	
AVG.	68	43		Greatest															

CONDITION OF RIVER AT GAGE

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

READING	DATE

OBSERVER Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6848-1

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

FORM E-15
'91

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

3-90

STATION IC (Optional): Panam
STATION (River Station, if different): City #5 Northeast
MONTH: March 2
YR: 90
STATE: Florida
COUNTY: Bay
RIVER:
TIME (local) OF OBSERVATION: RIVER:
TEMP.:
PRECIPITATION:
STANDARD TIME IN USE: CST
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 2400 Hrs MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inc. and hundredths)	Snow, Ice pellets and sleet (Inc. to nearest tenth)	AT OBS. Snow, Ice on ground (Inc. to nearest tenth)	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M. 1 2 3 4 5 6 7 8 9 10 11 12	P.M. 1 2 3 4 5 6 7 8 9 10 11 12	WEATHER (Calendar Day) Mark "X" for all types that occurred 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	73	43	56	-0-		C													
2	71	56	65	-0-															
3	79	62	63	-0-															
4	80	63	67	TR															
5	71	42	42	-0-															
6	65	432	44	-0-															
7	70	44	58	.03															
8	74	47	52	-0-															
9	73	532	63	TR															
10	78	63	70	.06															
11	70	51	51	.28															
12	69	38	46	-0-															
13	76	41	48	-0-															
14	72	47	58	-0-															
15	76	58	67	-0-															
16	77	67	72	-0-															
17	77	58	60	.91															
18	63	53	56	.03															
19	70	56	57	.92															
20	67	55	56	.64															
21	69	56	57	-0-															
22	70	56	57	.71															
23	66	597	60	1.03															
24	66	35	38	-0-															
25	67	38	44	-0-															
26	62	37	38	-0-															
27	68	38	45	-0-															
28	72	42	47	-0-															
29																			
30																			
31																			
✓	1991	1401	SUM	4.61	0														
				Greatest															

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

CONDITION OF RIVER AT GAGE
71 50
A. Obstructed by rough ice.
B. Open, but open at gage.
C. Open surface of smooth ice.
D. Ice gage above gage.
E. Ice gage below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER: Bay County Water Treatment Plant Operator
SUPERVISING OFFICE:
STATION INDEX NO.: 08-68[redacted]-1

AVG

KEYED BY 17939

STATION (City, Airport, Weather Office) Panama City #5 Northeast (River Station, if different)

MONTH March 19 90

NOAA FORM E-15 (7-81)

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

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION RIVER | TEMP. | PRECIPITATION

STANDARD TIME IN USE CST

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 HRS. ENDING AT OBSERVATION 2400 Hrs MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inc. and hundredths)	Snow, Ice pellets, Hail (Inc. and tenths)	At 0700 Snow, Ice pellets, Hail, Ice on ground (Inches)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	73	43	54	-0-		(1)											
2	74	44	60	-0-													
3	69	51	51	.24													
4	61	38	51	-0-													
5	70	38	47	-0-													
6	73	45	53	-0-													
7	80	53	58	-0-													
8	80	55	57	-0-													
9	72	54	58	-0-													
10	78	50	56	-0-													
11	80	50	55	-0-													
12	80	52	54	-0-													
13	81	54	55	-0-													
14	80	55	59	-0-													
15	79	54	70	-0-													
16	74	69	73	-0-													
17	79	56	56	2.04													
18	67	43	52	.80													
19	75	44	57	-0-													
20	73	38	40	-0-													
21	61	31	33	-0-													
22	70	33	43	-0-													
23	73	42	46	-0-													
24	76	42	53	-0-													
25	77	48	35(5)	-0-													
26	78	53	58	-0-													
27	81	50	52	-0-													
28	76	52	67	-0-													
29	76	60	64	-0-													
30	79	63	72	TR													
31	73	62	63	1.74													
	2318	1528	SUM	4.82	(1)	X	CHECK BAR (For automatic) NORMAL CK. BAR						SUM			X	

Greatest

CONDITION OF RIVER AT GAGE 75 49

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

HEADING | DATE

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION UNDER NO. 08-6849-1

AVG

KEYED BY 08053

STATION (City, Airport) Panama City 05 Northeast (Nearest Station, if different)

MONTH April 19 90

FORM E-15

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

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION RIVER | TEMP. | PRECIPITATION | STANDARD TIME IN USE CST

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. 2400 Hours 24 HRS. ENDING AT OBSERVATION TIME: MAX.	MIN.	0700 Hrs OBSN.	PRECIPITATION 24-HR AMOUNTS: Rain, melted snow, etc. (Inches and hundredths)	Snow, ice pellets, hail (Inches and tenths)	Snow, ice pellets, hail on ground (Inches)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	77	55	56	-0-																
2	82	56	68	-0-																
3	79	52	52	.15																
4	69	39	44	-0-																
5	71	44	48	-0-																
6	74	48	53	-0-																
7	76	49	49	-0-																
8	66	35	36	-0-																
9	70	36	53	-0-																
10	79	53	62	-0-																
11	77	59	59	.73																
12	72	41	48	-0-																
13	71	41	48	-0-																
14	NR	NR	NR	NR																
15	76	41	40	.62																
16	77	58	55	-0-																
17	82	54	58	-0-																
18	82	57	61	-0-																
19	86	58	59	-0-																
20	78	58	63	-0-																
21	80	57	61	-0-																
22	NR	NR	NR	NR																
23	67	57	65	-0-																
24	85	62	64	-0-																
25	82	57	65	-0-																
26	83	56	60	-0-																
27	82	54	61	-0-																
28	83	61	69	.55																
29	79	56	61	-0-																
30	79	61	71	-0-																
31																				
AVG	2164	1523	SUM	2.05			CHECK BAR (For non-record) NORMAL CK. BAR							SUM						

CONDITION OF RIVER AT GAGE 77 54

Greatest

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

HEADING	DATE

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

WS FORM E-13
(7-78)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological) Panama City 05 Northeast (River Station, if different)
MONTH May
19 90
STATE Florida
COUNTY Bay
RIVER
TIME (local) OF OBSERVATION RIVER
TEMP.
PRECIPITATION
STANDARD TIME IN USE CST
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. (Dec. and hundredths)	Snow, ice pellets, hail (Dec. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (Dec.)	PRECIPITATION Draw a straight line (——) through hours precipitation was observed, and a wavy 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	Sleet	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	82	61	62	-0-																	
2	87	51	66	-0-																	
3	89	63	68	-0-																	
4	86	64	72	-0-																	
5	84	72	75	-0-																	
6	82	61	61	.36																	
7	74	54	59	-0-																	
8	83	53	61	-0-																	
9	79	61	69	.07																	
10	75	69	73	.88																	
11	86	49	56	-0-																	
12	81	55	59	-0-																	
13	84	59	67	.44																	
14	78	63	64	TR																	
15	87	64	67	-0-																	
16	90	67	71	-0-																	
17	87	71	76	-0-																	
18	84	70	70	-0-																	
19	88	57	65	-0-																	
20	85	63	77	-0-																	
21	85	76	77	-0-																	
22	86	65	70	.42																	
23	83	60	62	-0-																	
24	80	58	63	-0-																	
25	87	63	68	-0-																	
26	88	64	66	-0-																	
27	87	66	70	-0-																	
28	89	70	77	-0-																	
29	88	68	69	-0-																	
30	87	56	62	-0-																	
31	86	58	60	-0-																	
	2617	1941	SUM	2.17	0	X	CHECK BAR (For wire-weight) NORMAL CK. BAR													X	
				Greatest			READING	DATE													

CONDITION OF RIVER AT GAGE 84 63

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

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6847 1

VG

STATION (Climatological) Panama City #5 Northeast (River Station, if different)

MONTH June YR 90

STATE Florida

COUNTY Bay

RIVER

TIME (local) OF OBSERVATION RIVER | TEMP. | PRECIPITATION

STANDARD TIME IN USE CST

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

WS FORM E-13 (7-78)

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. (Incl. dew and frost)	Snow, ice pellets, hail (Inc. and sleet)	Snow, ice pellets, hail on ground (Incl. sleet)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	60	70	-0-		( )										
2	89	71	75	-0-												
3	90	69	73	-0-												
4	90	73	81	-0-												
5	88	72	73	1.65												
6	89	71	73	TR												
7	91	70	76	-0-												
8	92	70	73	-0-												
9	Not	Recorded		.10												
10	88	71	74	.25												
11	87	74	75	.45												
12	93	64	76	-0-												
13	90	68	75	-0-												
14	88	66	71	-0-												
15	91	68	72	-0-												
16	89	73	80	-0-												
17	91	74	78	.03												
18	86	71	74	.07												
19	93	71	76	-0-												
20	91	76	81	-0-												
21	90	76	89	-0-												
22	90	76	82	-0-												
23	87	71	73	1.36												
24	83	68	71	TR												
25	89	65	71	-0-												
26	91	65	71	-0-												
27	93	67	71	-0-												
28	92	67	70	.16												
29	90	67	71	-0-												
30	91	71	76	-0-												
31																
✓	2600	2025	SUM	4.07	( )	X	CHECK BAR (For automatic gage) NORMAL CK. BAR								X	
				Greatest			READING / DATE									

CONDITION OF RIVER AT GAGE 90 70

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface ___ smooth ice.
D. Ice gorge at
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Flood stage.

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842

KEYED BY 08604

STATION (Climatological) Panama City #5 Northeast (River Station, if different)

MONTH July 19 90

STATE Florida

COUNTY Bay

RIVER

TIME (local) OF OBSERVATION

RIVER

TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

FS FORM E-13 (7-79)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DAY	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, dew, frost, and hail (inches)	Snow, ice pellets, hail (how measured)	As Of: Snow, ice pellets, hail, ice on ground	Draw a straight line (——) through hours precipitation was observed, and a wavy 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 MID.	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	94	76	80	-0-		0											
2	96	79	80	-0-													
3	94	68	71	.49													
4	84	70	71	.94													
5	87	71	74	.06													
6	88	73	75	.02													
7	90	75	79	-0-													
8	[illegible]	76	78	-0-													
9	93	74	75	-0-													
10	92	73	77	-0-													
11	94	72	75	-0-													
12	92	72	75	.07													
13	89	71	73	1.61													
14	91	71	73	3.70													
15	86	69	72	.22													
16	86	67	71	-0-													
17	90	71	77	-0-													
18	93	71	73	-0-													
19	93	73	74	.21													
20	86	71	72	.30													
21	90	72	74	-0-													
22	90	74	76	-0-													
23	90	74	81	-0-													
24	89	71	74	.38													
25	94	72	77	-0-													
26	95	74	75	-0-													
27	95	74	75	-0-													
28	96	74	72	-0-													
29	95	73	72	-0-													
30	94	74	75	-0-													
31	92	74	77	-0-													
	2822	2236	SUM	8.00										SUM			

CHECK BAR (For instrumental) NORMAL CK. BAR

CONDITION OF RIVER AT GAGE 91 72

Gaseous

A. Obscured by rough ice. B. Flowing, but open at gage. C. Water surface at smooth ice. D. Ice above gage. E. Ice gorge below gage. F. Shore ice. G. Floating ice. H. Pool stage.

READING	DATE

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-684 -1

AVG

BEST AVAILABLE

NOAA 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): Panama City 6S Northeast (River Station, if different):
MONTH: August 19 90
STATE: Florida
COUNTY: Bay
RIVER:
TIME (local) OF OBSERVATION: RIVER: TEMP.: PRECIPITATION:
STANDARD TIME IN USE: / CST
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. (Inc. and hundredths)	Snow, Ice pellets, Hail (Inc. and tenths)	Snow, Ice pellets, Hail, Ice on ground (Inc.)	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 type. 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	92	72	78	-0-													
2	91	74	77	-0-													
3	92	71	73	.17													
4	97	73	77	-0-													
5	95	75	76	.18													
6	95	75	77	-0-													
7	95	74	77	-0-													
8	95	71	75	-0-													
9	92	69	72	-0-													
10	91	69	72	-0-													
11	93	65	69	-0-													
12	92	67	69	-0-													
13	92	67	71	-0-													
14	91	67	69	-0-													
15	93	69	72	-0-													
16	95	72	73	-0-													
17	93	73	75	-0-													
18	96	71	72	.68													
19	96	72	74	.08													
20	96	73	79	-0-													
21	95	71	74	.16													
22	92	72	74	-0-													
23	91	73	76	.04													
24	89	76	77	-0-													
25	93	73	74	2.11													
26	–	–	–	M													Lightning struck recorder
27	–	–	–	M													" " "
28	90	72	72	.48													
29	92	72	77	.18													
30	92	77	80	-0-													
31	93	72	75	TR													
	2697	2077	SUM	4.08		X	CHECK BAR (Fill in when weighed) NORMAL CK. BAR									X	
				Greatest			HEADING / DATE										

CONDITION OF RIVER AT GAGE: 93 72

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface smooth ice.
D. Ice gorge at ___ mi.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Past stage.

OBSERVER: Bay County Water Treatment Plant Operator
SUPERVISING OFFICE:
STATION INDEX NO.: 08-6842-

NWS FORM E-13
(7-79)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological) (River station, if different): Panama City #5 Northeast

MONTH: September 19 90

STATE: Florida

COUNTY: Bay

RIVER:

TIME (local) OF OBSERVATION: RIVER | TEMP. | PRECIPITATION

STANDARD TIME IN USE: CST

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

DATE	TEMPERATURE F. 2400 Hrs 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inc. and hundredths)	Snow, ice pellets, hail (Inc. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (Inc.)	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	90	72	74	-0-															
2	Not Recorded			0															
3	96	71	72	-0-															
4	96	72	74	-0-															
5	95	70	73	.14															
6	95	67	69	-0-															
7	94	69	72	-0-															
8	92	72	73	-0-															
9	93	92	73	-0-															
10	93	70	72	-0-															
11	92	71	72	-0-															
12	93	72	73	TR															
13	94	72	73	-0-															
14	90	71	72	.51															
15	91	72	76	-0-															
16	91	75	75	-0-															
17	94	68	69	-0-															
18	94	61	NR	-0-															
19	94	61	66	-0-															
20	91	65	67	-0-															
21	91	67	69	-0-															
22	92	68	69	-0-															
23	92	67	70	-0-															
24	92	54	55	-0-															
25	81	45	47	-0-															
26	83	47	57	-0-															
27	85	53	56	-0-															
28	91	56	68	-0-															
29	84	69	70	.09															
30	74	67	69	.18															
31																			
✓	2633	1916	SUM	0.92		X	CHECK BAR (For automatic) NORMAL CK. BAR												
				Greatest			READING	DATE											

CONDITION OF RIVER AT GAGE: 91 66

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 ___ gage. H. Flood stage.

OBSERVER: Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO.: 08-6847 1

AVG

CDO BY 11415

STATION (Climatological) Panama City #5 Northeasst (River Station, if different)

MONTH October 19 90

STATE Florida

COUNTY Bay

RIVER

TIME (local) OF OBSERVATION RIVER

TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

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. 2400 Hours 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (liquid) and thunderstorm	Snow, ice pellets, hail (liquid equivalent)	As Obs. Snow, ice pellets, hail, ice on ground (liquid)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	86	67	68	.10		0												
2	88	64	65	-0-														
3	90	63	71	-0-														
4	90	68	69	-0-														
5	88	69	69	-0-														
6	91	66	71	-0-														
7	89	65	72	-0-														
8	91	69	69	-0-														
9	92	65	65	-0-														
10	90	71	71	.10														
11	82	65	65	TR														
12	84	65	70	-0-														
13	82	63	64	-0-														
14	85	52	52	-0-														
15	83	52	55	-0-														
16	90	55	58	-0-														
17	88	55	70	-0-														
18	85	67	71	1.44														
19	82	51	51	TR														
20	77	45	54	-0-														
21	83	54	63	-0-														
22	86	63	71	-0-														
23	82	64	64	1.24														
24	76	53	54	-0-														
25	73	49	51	-0-														
26	67	42	42	-0-														
27	68	35	36	-0-														
28	74	35	45	-0-														
29	78	40	49	-0-														
30	77	42	51	-0-														
31	79	43	50	-0-														
AVG	2576	1759	SUM	2.88 Greatest	0	X	CHECK BAR (For winter-night) NORMAL CK. BAR							SUM			X	

CONDITION OF RIVER AT GAGE 83 57

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

READING DATE

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

STATION (Climatological) Panama City #5 Northeast (River Station, if different)

MONTH Nov. 19 90

STATE Florida

COUNTY Bay

RIVER

TIME (local) OF OBSERVATION

RIVER TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE DATUM Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

WS FORM E-13 (7-78)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. 2400 Hrs. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 Hrs. AT OBSN.	PRECIPITATION 24-HR AMOUNT Rain, melted snow, etc. (Inc. and hundredths)	Snow, ice pellets, hail (Inc. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (Inch)	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 2 3 4 5 6 7 8 9 10 11 12 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	Snow	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	78	43	53	-0-													
2	82	48	56	-0-													
3	84	53	60	-0-													
4	85	52	58	-0-													
5	85	56	61	-0-													
6	80	45	46	.10													
7	71	39	46	-0-													
8	77	43	50	-0-													
9	79	50	67	-0-													
10	72	50	51	.17													
11	62	43	53	-0-													
12	75	38	44	-0-													
13	77	43	50	-0-													
14	78	40	43	-0-													
15	79	43	53	-0-													
16	78	51	55	-0-													
17	80	48	56	-0-													
18	72	37	39	-0-													
19	72	34	39	-0-													
20	74	39	46	-0-													
21	77	42	45	-0-													
22	76	40	44	-0-													
23	76	44	64	.02													
24	68	46	51	.24													
25	74	42	45	-0-													
26	75	45	60	-0-													
27	79	60	64	-0-													
28	80	64	71	-0-													
29	83	58	59	-0-													
30	65	35	36	-0-													
31																	
✓	2293	1370	SUM	0.53	0	X	CHECK BAR (If no wire weights) NORMAL CK. BAR										

CONDITION OF RIVER AT GAGE 76 46

Greatest

HEADING DATE

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

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-

KEYED BY 1145

STATION (Climatological): Panama City #5 Northeast (River Station, if different):
MONTH: DEC. YR: 90
STATE: Florida
COUNTY: Bay
RIVER:
TIME (local) OF OBSERVATION RIVER:
TEMP.:
PRECIPITATION:
STANDARD TIME IN USE: CST
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. 2400 Hrs. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inc. and hundredths)	Snow, ice pellets, hail (Inc. and tenths)	Snow, ice pellets, hail (Inc. and tenths)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	65	36	40	-0-																
2	74	42	53	-0-																
3	78	64	67	-0-																
4	78	46	46	.94																
5	56	35	35	-0-																
6	60	28	37	-0-																
7	66	37	46	.13																
8	47	43	44	.25																
9	60	31	38	-0-																
10	65	30	31	-0-																
11	66	31	34	-0-																
12	71	34	44	-0-																
13	66	43	49	-0-																
14	74	35	52	-0-																
15	74	46	48	-0-																
16	75	48	55	-0-																
17	78	52	58	-0-																
18	75	58	63	-0-																
19	76	46	61	.17																
20	72	61	71	.04																
21	79	61	68	-0-																
22	78	65	65	-0-																
23	79	65	71	-0-																
24	78	34	34	.16																
25	46	30	30	-0-																
26	50	30	43	-0-																
27	63	43	51	-0-																
28	72	51	55	-0-																
29	75	55	63	-0-																
30	74	63	66	-0-																
31	78	62	62	.10																
✓	2148	1405	SUM	1.79		X	CHECK BAR (If no asterisk(s)) NORMAL CK. BAR										SUM		X	
				Greatest			READING	DATE												

CONDITION OF RIVER AT GAGE: 69 45

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

OBSERVER: Bay County Water Treatment Plant Operator

SUPERVISING OFFICE:

STATION INDEX NO.: 08-6842-.

VG

FORM E-13
U.S. DEPT OF COMMERCE
NATIONAL OCEANIC AND ATMOS ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (City, Meteorological) Panama City #5 Northeast (River Station, if different)
MONTH JAN. 19 91 (YEAR)
STATE Florida
COUNTY Bay
RIVER
TIME (Local) OF OBSERVATION RIVER | TEMP | PRECIPITATION
STANDARD TIME IN USE CST
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

DATE	TEMPERATURE F. 2400 HRS 24-HR. ENDING AT OBSERVATION MAX.	MIN.	0700 HRS AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inc. and hundredths)	Snow, ice pellets hail (Inc. and tenths)	An Ob. Snow, ice pellets, hail, ice on ground	Draw a straight line (——) through hours precipitation was observed, and a curved 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	67	55	55	-0-													
2	63	55	57	.02													
3	63	55	56	TR													
4	60	52	53	-0-													
5	61	53	56	TR													
6	63	56	60	-0-													
7	73	60	63	TR													
8	77	55	59	.86													
9	76	51	51	-0-													
10	69	51	52	-0-													
11	65	52	62	2.15													
12	67	54	54	.46													
13	58	38	38	-0-													
14	53	27	33	-0-													
15	60	33	46	-0-													
16	62	57	57	.95													
17	66	40	42	-0-													
18	64	37	40	-0-													
19	61	40	50	.26													
20	58	50	52	2.50													
21	57	36	44	-0-													
22	52	31	32	-0-													
23	51	31	41	-0-													
24	57	41	49	1.22													
25	52	42	43	2.40													
26	50	36	37	-0-													
27	62	31	34	-0-													
28	63	34	56	2.37													
29	69	51	61	.02													
30	70	58	70	2.42													
31	76	54	54	.86													
✓	1949	1416	SUM	16.49	0	X	CHECK BAR (For microweight) NORMAL CK. BAR										
									SUM								

AVG

CONDITION OF RIVER AT GAGE 63 46 Greatest

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

READING	DATE

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-684[illegible]-1

STATION (Climatological) Panama ty #5 Northeast | MONTH April | 19 91

STATE Florida | COUNTY Bay | RIVER

TIME (Hourly P. OBSERVATION RIVER) | TEMP. | PRECIPITATION | STANDARD TIME IN USE CST

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

WBAN 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. 2400 Hrs. LST AT OBSERVATION MAX.	MIN.	0700 Hrs LST AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (to nearest hundredth)	Snow, sleet (melted) (to nearest tenth)	24-Hr. Obs. Snow, ice pellets (melted) (to nearest tenth)	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M.	P.M.	WEATHER (Calendar Day) Mark "X" for all types occurring each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Drifting or High Winds	Time of occurrence if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	70	43	51	-0-															
2	77	42	52	-0-															
3	79	45	56	-0-															
4	78	55	60	-0-															
5	79	61	67	-0-															
6	79	64	67	TR															
7	83	66	66	-0-															
8	81	66	70	.02															
9	77	59	60	1.31															
10	82	59	62	.41															
11	78	61	64	-0-															
12	85	64	73	-0-															
13	84	66	67	-0-															
14	84	60	65	-0-															
15	82	65	68	-0-															
16	79	68	72	.02															
17	82	70	70	.07															
18	79	58	59	.56															
19	80	63	66	-0-															
20	84	64	65	.12															
21	83	56	56	-0-															
22	72	51	54	-0-															
23	75	53	72	.11															
24	84	61	64	-0-															
25	88	64	65	.82															
26	69	63	66	1.37															
27	69	66	68	.56															
28	84	57	74	-0-															
29	86	73	74	-0-															
30	87	66	67	.02															
31																			
AVG	2399	1809	SUM	5.39	0		CHECK BAR (For microweight) NORMAL CK. BAR												

CONDITION OF RIVER AT GAGE 80 60

A. Obstructed by rough ice. E. Ice gorge below gage.
B. Frazil ice upon gage. F. Shore ice.
C. Ice [redacted] above gage. G. Floating ice.
D. Ice [redacted] above gage. H. Pool stage.

READING	DATE

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842[redacted] 1

WS FORM 91
(7-69)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological): Panama City — (River Station, if different): Northeast
STATE: Florida — COUNTY: Bay
MONTH: May — YEAR: 91
RIVER:
TIME OF OBSERVATION (HOUR): LMT — PRECIPITATION: CST — STANDARD TIME IN USE:
TYPE OF RIVER GAGE: — ELEVATION OF RIVER GAGE ZERO: ft — FLOOD STAGE: ft — NORMAL POOL STAGE: ft

Date	TEMPERATURE F: 24-HR ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION: 24-HR AMOUNTS (Rain, melted snow, etc. (Inches and hundredths))	(Snow, sleet and ice pellets (Inches and tenths))	AT OBS. (Snow, ice pellets, hail, ice on ground)	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M. NOON P.M.	WEATHER (Calendar Day): Mark "X" for all types occurring each day. Fog	Thunder	Glaze	Thunder	Hail	Dangerous winds	Time of observation if different from above	RIVER STAGE: CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	85	50	67	.39		0												
2	84	64	68	.14														
3	89	61	64	-0-														
4	85	65	69	-0-														
5	85	61	69	-0-														
6	84	66	68	.25														
7	79	NR	66	1.13														
8	73	64	66	-0-														
9	83	NR	68	.03														
10	80	65	68	TR														
11	83	67	69	.65														
12	82	67	69	TR														
13	85	66	69	-0-														
14	87	68	71	.23														
15	85	67	71	-0-														
16	85	70	74	-0-														
17	87	70	74	-0-														
18	86	68	75	-0-														
19	89	70	72	.20														
20	85	71	72	.69														
21	74	60	71	1.01														
22	78	71	73	.30														
23	85	73	74	-0-														
24	81	71	74	.85														
25	88	73	74	.33														
26	83	75	75	1.63														
27	85	75	76	.17														
28	83	74	75	.87														
29	88	69	71	TR														
30	88	68	76	-0-														
31	89	74	74	-0-														
✓	2613	1963	SUM	9.87	5.17													

CHECK BAR (For mercurial gage) NORMAL CK. BAR

HEADING	DATE

CONDITION OF RIVER AT GAGE: 84 68

A. Obstructed by ice or weeds
B. Frozen, backwater from ice
C. Upper curve, backwater from ice
D. Ice gorge above gage
E. Ice gorge below gage
F. Shore ice
G. Floating ice
H. Pool stage

OBSERVER: Bay County Water Treatment Plant Operator

WEATHER BUREAU OFFICE

STATION INDEX NO.: 08-6842-1

Purchase 68729

WG

WS FORM B-91

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological) Panama City 05 Northeast — MONTH June — 19 91

STATE Florida — COUNTY Bay — RIVER

TIME (Hours) OF OBSERVATION (River) — TEMP — PRECIPITATION — STANDARD TIME IN USE CST

TYPE OF RIVER GAGE — ELEVATION OF RIVER GAGE ZERO ft. — FLOOD STAGE ft. — NORMAL POOL STAGE ft.

Date	TEMPERATURE F: 2400 Hrs (24 HRS. ENDING AT OBSERVATION) MAX.	MIN.	0700 hrs AT OBSN.	PRECIPITATION: 24-HR AMOUNTS (Rain, melted snow, etc. (Dec. and Jan.hdths.))	(Snow, ice pellets (Dec. and Jan.hdths.))	as Ob. (Snow, ice on ground (Dec. and Jan.hdths.))	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	89	68	74	-0-																
2	89	70	73	-0-																
3	87	69	73	.43																
4	87	73	77	.11																
5	92	70	74	.29																
6	93	71	72	.05																
7	85	61	64	-0-																
8	82	63	65	-0-																
9	87	65	68	-0-																
10	88	65	70	-0-																
11	88	65	70	-0-																
12	86	65	68	-0-																
13	87	67	73	-0-																
14	88	68	71	-0-																
15	90	65	71	-0-																
16	89	69	73	-0-																
17	88	73	75	-0-																
18	88	74	76	.02																
19	83	71	74	.39																
20	88	77	80	-0-																
21	87	72	78	-0-																
22	88	73	77	-0-																
23	89	74	77	-0-																
24	90	73	75	.07																
25	91	71	73	-0-																
26	90	70	71	1.04																
27	84	71	73	.29																
28	88	70	74	-0-																
29	90	71	75	-0-																
30	95	71	75	-0-																
31																				
	2645	2085	SUM	2.69	0	X	CHECK BAR (For autographic) NORMAL CK. BAR													
							READING	DATE												

CONDITION OF RIVER AT GAGE 88 70

A. Obscured by rough ice. E. Ice gorge below gage.
B. Frozen, but open at gage. F. Shore ice.
C. Unbroken surface of smooth ice. G. Floating ice.
D. Ice [illegible] above gage. H. Pool stage.

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-68[illegible]2- 1

AVG

STATION (Climatological) Panama City #5 Northeast | (River Station, if different) | MONTH July | YR 91

STATE Florida | COUNTY Bay | RIVER

TIME (Local) OF OBSERVATION (HOUR) | TEMP | PRECIPITATION | STANDARD TIME IN USE CST

TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

WS FORM D-91

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F: 2400 Hrs 24 HRS. ENDING AT OBSERVATION MAX	MIN	0700 Hrs AT OBSN	PRECIPITATION: 24 HRS. AMOUNTS Rain, melted snow, and sleet	Snow, ice pellets and hail	Snow, ice pellets, Depth on ground	Draw a straight line (connect) through hours precipitation was observed, and a wiped line (zigzag) 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 HEIGHT AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	95	73	76	-0-													
2	92	74	76	2.61													
3	91	72	80	1.00													
4	89	74	81	-0-													
5	89	76	77	.76													
6	78	72	74	.97													
7	86	71	73	.68													
8	89	72	74	-0-													
9	87	74	77	-0-													
10	92	72	74	-0-													
11	92	74	77	TR													
12	93	77	79	-0-													
13	94	77	79	-0-													
14	94	77	78	-0-													
15	95	70	73	-0-													
16	89	73	74	-0-													
17	87	74	74	1.46													
18	82	73	73	.51													
19	87	73	76	.76													
20	89	72	74	.28													
21	91	70	74	.05													
22	90	72	75	TR													
23	91	73	75	-0-													
24	94	72	74	-0-													
25	90	74	76	-0-													
26	90	72	74	.22													
27	87	73	77	.17													
28	86	72	75	.80													
29	91	73	74	1.24													
30	92	74	77	TR													
31	83	72	73	.45													
	2775	2267	SUM	11.96			CHECK BAR (For automatic NORMAL CK. BAR										

CONDITION OF RIVER AT GAGE 90 73

A. Observed by rough ice.
B. Frozen, but open at gage.
C. Upstream edge of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Flood stage.

READING | DATE

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842

AVG

1

STATION (Climatological) Panama City #5 Northeast | (River Station, if different) | MONTH August | YR 91

STATE Florida | COUNTY Bay | RIVER

TIME (Basis) OF OBSERVATION (River) | TEMP | PRECIPITATION | STANDARD TIME IN USE CST

TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

WS FORM B-91 (7-

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Date	TEMPERATURE F (2400 Hours Calendar Day of Observation) MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION (24-HR. amounts) Rain, melted snow, sleet, hail and ice pellets	Snow, ice pellets (sleet) and hail	At Ob. Snow on ground last reported (inches)	Draw a straight line (pencil) through hours precipitation was observed, and a wavy 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	Type of obscuration other than above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	ICE/SNOW	REMARKS (Special observations, etc.)
1	92	73	76	.06		0												
2	92	72	73	.50														
3	87	73	75	.96														
4	88	74	77	TR														
5	90	74	78	-0-														
6	92	74	76	.02														
7	91	71	73	1.18														
8	91	71	74	-0-														
9	91	74	77	-0-														
10	91	74	80	.60														
11	86	73	74	.11														
12	89	73	74	-0-														
13	89	74	78	-0-														
14	88	72	72	.71														
15	84	72	73	1.01														
16	85	70	72	-0-														
17	87	72	73	.67														
18	87	72	76	.02														
19	87	74	77	.03														
20	83	69	71	.79														
21	92	67	68	-0-														
22	89	68	72	-0-														
23	91	71	72	-0-														
24	91	72	74	.29														
25	83	73	76	.17														
26	86	72	73	-0-														
27	90	73	74	-0-														
28	92	73	73	-0-														
29	91	73	74	-0-														
30	93	72	73	.07														
31	87	71	72	.20														
	2755	2236	SUM	7.39	0		CHECK BAR (For autographic) NORMAL CK. BAR											
							READING	DATE										

CONDITION OF RIVER AT GAGE 89 72

A. Obscured by rough ice.
B. Frozen [illegible] open at gage.
C. [illegible] of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

AVG

KEYED BY 00504

STATION (Including city) Panama City #5 Northeast | MONTH September 91

STATE Florida | COUNTY Bay | RIVER

TIME (Hours of observation) RIVER | TEMP | PRECIPITATION | STANDARD TIME IN USE CST

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

WS FORM B-91 (7

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Date	TEMPERATURE F. 2400 Hrs 24-HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Incl. dew and undetermined)	Snow, ice pellets (Incl. sleet and hail)	At Obs. Snow, ice pellets, hail, ice on ground (Not including sleet)	Draw a straight line (across) through hours precipitation was observed, and a wavy line (above) 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 of official river stage	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	89	70	72	.35		0												
2	92	70	72	-0-														
3	94	72	72	-0-														
4	88	71	71	.11														
5	9?	71	73	-0-														
6	90	70	72	-0-														
7	90	71	72	-0-														
8	93	72	73	.22														
9	93	71	71	-0-														
10	91	64	69	-0-														
11	92	69	71	-0-														
12	93	71	73	-0-														
13	95	72	76	-0-														
14	97	72	73	-0-														
15	91	72	73	-0-														
16	94	72	76	-0-														
17	96	73	78	-0-														
18	92	72	73	.95														
19	90	72	72	.21														
20	89	66	66	-0-														
21	87	66	66	-0-														
22	83	66	66	-0-														
23	90	66	69	-0-														
24	91	67	69	-0-														
25	88	69	71	.35														
26	81	56	56	-0-														
27	80	56	59	-0-														
28	82	55	58	-0-														
29	84	58	61	-0-														
30	85	61	69	-0-														
31																		
	2691	2034	sum	2.19	0													

CHECK BAR (For climatological) NORMAL CE. BAR

HEIGHT	DATE

CONDITION OF RIVER AT GAGE 90 68

A. Observed by rough rec.
B. Frozen, but open at gage.
C. Used [illegible] rec. of smooth rec.
D. Ice [illegible] above gage.
E. Ice gorge below gage.
F. Shore rec.
G. Floating rec.
H. Pool stage.

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842

1

AVG

STATION (Climatological) Panama Ci 25 Northeast
STATE Florida
COUNTY Bay
MONTH October 19 91
RIVER
STANDARD TIME IN USE CST

WS FORM B-91 (7-8)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

TIME (Hours) OF OBSERVATION (River) | TEMP | PRECIPITATION
TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO Ft. | FLOOD STAGE Ft. | NORMAL POOL STAGE Ft.

DATE	TEMPERATURE F 2400 Hrs (24 hrs. ending at observation) MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inc. and Hundredths)	Snow, ice pellets, ice and sleet	At Ob. Snow, ice pellets on ground	Draw a straight line (-----) through hours precipitation was observed, and a wiggly line (~~~~) where precipitation probably occurred unobserved. A.M. NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12 / 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	85	61	70	-0-		O											
2	77	69	69	.23													
3	83	64	67	.43													
4	83	64	67	-0-													
5	83	67	72	.27													
6	80	67	62	2.28													
7	74	50	50	-0-													
8	70	37	42	-0-													
9	76	42	59	-0-													
10	82	58	58	-0-													
11	83	53	55	-0-													
12	80	51	51	-0-													
13	83	51	58	-0-													
14	86	55	56	-0-													
15	83	56	71	.06													
16	80	51	51	TR													
17	72	40	42	-0-													
18	72	42	43	-0-													
19	75	43	47	-0-													
20	84	46	46	-0-													
21	84	46	60	-0-													
22	80	60	66	-0-													
23	86	54	68	-0-													
24	84	68	68	-0-													
25	84	68	71	-0-													
26	85	65	65	-0-													
27	87	65	70	-0-													
28	85	62	66	-0-													
29	84	63	64	-0-													
30	82	60	62	-0-													
31	80	53	56	-0-													
	2511	1726	Sum	3.27		D											

CHECK BAR (For micrometeorological) NORMAL CK. BAR
READING | DATE

CONDITION OF RIVER AT GAGE 81 56

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
Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO.
08-6842-1

AVG

WS FORM B-81

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological) Panama City #5 Northeast (River Station, if different)

MONTH November 91

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION RIVER

TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

DATE	TEMPERATURE F 2400 Hrs (24 HRS. ENDING AT OBSERVATION) MAX	MIN	0700 Hrs AT 0001	PRECIPITATION 24-HR AMOUNTS Rain, melted snow and equivalent of other forms	Snow, ice pellets and sleet	At 0700 Snow, ice pellets, sleet, on ground	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M. MIDNIGHT NOON P.M.	WEATHER (Calendar Day) Mark "X" for all types occurring each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Snow, Sleet or Rain Storm	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	80	67	74	-0-														
2	77	42	42	1.80														
3	65	42	47	0.70														
4	54	34	35	TR														
5	53	30	33	-0-														
6	60	28	33	-0-														
7	66	32	41	-0-														
8	70	39	51	TR														
9	58	40	41	-0-														
10	59	36	37	-0-														
11	62	31	38	-0-														
12	67	31	35	-0-														
13	68	35	44	-0-														
14	71	35	41	-0-														
15	73	35	54	-0-														
16	79	49	54	-0-														
17	80	49	54	-0-														
18	81	51	63	-0-														
19	79	63	69	-0-														
20	81	64	69	TR														
21	78	69	71	.30														
22	76	51	54	1.67														
23	69	42	45	TR														
24	68	38	39	-0-														
25	55	30	36	-0-														
26	57	30	36	-0-														
27	63	30	38	-0-														
28	67	38	46	-0-														
29	77	46	56	-0-														
30	80	56	67	-0-														
31																		
✓	2073	1263	Sum	4.47														

CHECK BAR (For mid-month and month-end) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE 69 42

A. Obstructed by trash, ice, etc.
B. Flowing but open at gage.
C. Under [illegible] of ice, etc.
D. Ice [illegible] above gage.
E. Ice gage below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

AVG

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

REVISED BY OSSO

STATION (Climatological) Panama C ; #5 Northeast (River Station, if different)

MONTH December 19 91

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION RIVER | TEMP. | PRECIPITATION | STANDARD TIME IN USE CST

TYPE OF RIVER GAGE | LOCATION OF RIVER GAGE ZERO Ft. | FLOOD STAGE Ft. | NORMAL POOL STAGE Ft.

WS FORM B-91 (7-

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. 2400 Hrs 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	2400 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Hundredths)	Snow, ice pellets (Tens, and hundredths)	An Ob. Snow, ice on ground (Whole inches)	Show a straight line (——) connecting hours precipitation was observed, and a wavy line (~~~) connecting hours precipitation probably occurred undetected. 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 ** A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	78	67	70	-0-													
2	80	69	70	-0-													
3	79	70	73	TR													
4	73	37	37	1.11													
5	55	31	32	-0-													
6	57	32	37	-0-													
7	68	37	53	-0-													
8	69	53	64	-0-													
9	72	64	67	.11													
10	74	60	60	.13													
11	73	40	43	TR													
12	75	43	55	-0-													
13	73	55	56	-0-													
14	76	56	69	-0-													
15	71	44	45	.10													
16	62	30	38	-0-													
17	62	27	29	-0-													
18	64	28	33	-0-													
19	69	36	36	-0-													
20	58	35	35	-0-													
21	67	35	45	-0-													
22	72	44	48	-0-													
23	70	47	59	-0-													
24	70	47	49	.14													
25	65	40	40	-0-													
26	64	39	50	-0-													
27	70	50	53	-0-													
28	60	53	60	.50													
29	69	53	55	-0-													
30	57	45	45	-0-													
31	53	38	38	-0-													
	2105	1405	SUM	2.49													

CHECK BAR (For automatic gage) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE 68 45

A. Obstructed by ice or weeds
B. Frozen, but open at gage
C. Upper [illegible] of smooth ice
D. Ice gorge above gage
E. Ice gorge below gage
F. Shore ice
G. Floating ice
H. Pool stage

AVG

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

KEYED LY 04843

WS FORM D-91 (7-

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological) Panama City #5 Northeast — (River Station, if different)
MONTH January — YR 92
STATE Florida — COUNTY Bay — RIVER
TIME (Local) OF OBSERVATION RIVER — TEMP — PRECIPITATION — STANDARD TIME IN USE CST
TYPE OF RIVER GAGE — ELEVATION OF RIVER GAGE ZERO ft. — FLOOD STAGE ft. — NORMAL POOL STAGE ft.

DATE	TEMPERATURE F. 2400 Hrs 24 HRS. ENDING AT OBSERVATION MAX	MIN	0700 Hrs AT OBSN	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Hundredths)	Snow, ice pellets (Tenths)	At Ob. Snow, ice pellets (Tenths)	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 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12	WEATHER (Calendar Day) Mark "X" for all types occurring each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation is different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	58	46	46	-0-		0										
2	56	50	52	-0-												
3	62	48	48	.05												
4	59	41	43	-0-												
5	59	38	44	-0-												
6	60	38	38	-0-												
7	66	35	36	-0-												
8	71	36	44	-0-												
9	70	44	65	.16												
10	72	53	53	-0-												
11	56	27	32	-0-												
12	61	41	41	-0-												
13	69	42	68	.18												
14	73	46	46	1.82												
15	54	28	31	-0-												
16	50	31	34	-0-												
17	48	22	26	-0-												
18	33	26	46	-0-												
19	51	39	39	.77												
20	46	29	29	-0-												
21	57	24	26	-0-												
22	68	26	42	-0-												
23	66	44	55	2.12												
24	65	41	41	-0-												
25	59	27	29	-0-												
26	59	29	33	-0-												
27	68	50	52	-0-												
28	67	52	55	.59												
29	57	54	55	.70												
30	58	54	54	.60												
31	59	54	55	TR												
	1877	1215	SUM	6.99	0		CHECK BAR (For mid-month ... NORMAL CK. BAR									

CONDITION OF RIVER AT GAGE 61 39
A. Observed by rough rule. E. Ice gauge below gage.
B. Frozen over or open at gage. F. Shore ice.
C. Used [illegible] of smooth rule. G. Flowing ice.
D. Ice gauge above gage. H. Pool stage.

READING	DATE

OBSERVER Bay County Water Treatment Plant Operator
SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

AVG

KEYED BY 04/49

Panama City #5 Northeast | February | 92

STATE: Florida | COUNTY: Bay | RIVER:

TIME (MST) OF OBSERVATION (RIVER) | TEMP. | PRECIPITATION | STANDARD TIME IN USE: CST

TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Date	TEMPERATURE F: 2400 Hrs (24 HRS. ENDING AT OBSERVATION) MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION: 24-HR AMOUNTS (Rain, melted snow, etc., fluid equivalent)	(Snow, ice pellets and sleet, melted)	At Obs. (Snow, ice on ground, not melted)	Show in straight lines through hours precipitation was observed, and in wavy lines through hours precipitation probably occurred unobserved. A.M.	NOON	P.M.	WEATHER (Current Day): Mark "X" for all types occurring each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Use of observation if differed from above	RIVER STAGE: CONDITION	GAGE READING AT	TENDENCY	REMARKS (Special observations, etc.)
1	68	37	38	-0-																
2	67	34	35	-0-																
3	64	35	39	-0-																
4	69	38	47	-0-																
5	72	47	58	1.01																
6	72	49	49	.20																
7	51	39	45	TR																
8	60	31	33	.10																
9	57	26	33	-0-																
10	58	28	35	-0-																
11	67	35	40	-0-																
12	69	35	38	-0-																
13	70	45	64	-0-																
14	74	62	67	-0-																
15	71	60	62	1.10																
16	81	58	65	.85																
17	69	62	64	1.61																
18	66	60	61	1.03																
19	73	47	48	-0-																
20	70	48	52	-0-																
21	62	46	56	.10																
22	69	56	64	.41																
23	76	46	60	.02																
24	71	54	65	.03																
25	74	42	58	-0-																
26	58	34	41	-0-																
27	57	35	39	-0-																
28	67	39	59	-0-																
29	76	40	44	-0-																
30																				
31																				
AVG	1958	1268	MEAN	6.46			CHECK BAR (For micrometeorological NORMAL CK. BAR)													

CONDITION OF RIVER AT GAGE: 68 44

A. Observed by rough ice. B. Frozen, but open at gage. C. Use[illegible] of snow ice. D. Ice [illegible] above gage. E. Ice gage below gage. F. Shore ice. G. Floating ice. H. Pool stage.

CHECK BAR READING | DATE

OBSERVER: Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO.: 08-6842 1

KEYED BY 00732

STATION (Climatological) Panama City #5 Northeast — (River Station, if different)
STATE Florida — COUNTY Bay
TIME (Hours) OF OBSERVATION (River) — TEMP — PRECIPITATION
TYPE OF RIVER GAGE — LOCATION OF RIVER GAGE DATUM ft. — FLOOD STAGE ft.

MONTH March — 19 92
RIVER
STANDARD TIME IN USE CST
NORMAL POOL STAGE ft.

WS FORM B-91
(7

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DAY	TEMPERATURE F (2400 Hours; 24 HRS. ENDING AT OBSERVATION 0700 HRS AT [OBSN]) MAX	MIN	0700 HRS	PRECIPITATION 24-HR AMOUNTS: Rain, melted snow, etc. (Hundredths)	Snow, ice pellets (Tenths)	Snow, ice pellets (Tenths)	Draw a straight line through hours precipitation was observed, and a second line through hours precipitation probably occurred unobserved. P.M. / A.M.	WEATHER (Coleman Coast) Mark "X" for all types occurring each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Tons of observations of different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	REMARKS
1	76	40	44	-0-		0											
2	75	44	51	-0-													
3	77	46	48	-0-													
4	77	47	50	-0-													
5	80	50	65	TR													
6	71	63	64	3.85													
7	74	64	66	.10													
8	NR	NR	NR	NR	0												
9	83	57	60	-0-													
10	77	60	71	-0-													
11	73	36	71	.28													
12	52	36	42	-0-													
13	55	42	48	-0-													
14	64	36	41	-0-													
15	65	36	56	-0-													
16	70	45	46	-0-													
17	68	39	45	-0-													
18	73	45	63	-0-													
19	72	63	70	.02													
20	74	45	48	-0-													
21	65	39	48	-0-													
22	65	48	57	TR													
23	64	57	57	.29													
24	62	40	43	-0-													
25	69	43	53	TR													
26	70	49	55	.71													
27	73	47	59	-0-													
28	77	50	51	-0-													
29	73	50	55	.01													
30	72	55	68	.04													
31	76	53	53	-0-													
	2122	1425	SUM	5.30	0	X	CHECK BAR (For ... NORMAL CK. BAR)							X	X	X	
							READING	DATE									

AVG

CONDITION OF RIVER AT GAGE 71 48

A. Overflowing its ... (ice). E. Ice gorge below gage.
B. Flowing ... gage. F. Shore ice.
C. ... (ice). G. Floating ice.
D. ... (ice). H. Flood stage.

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 03-8812

1

KEYED 07/1244

STATION: Panama City #5 Northeast — MONTH: April — YEAR: 92

STATE: Florida — COUNTY: Bay — RIVER:

TIME (Basis) OF OBSERVATION: RIVER: — TEMP: — PRECIPITATION: — STANDARD TIME IN USE: CST

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

WS FORM B-91 (7-77)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F: MAX. (2400 Hrs, 24 HRS. ENDING AT OBSERVATION)	TEMPERATURE F: MIN. (2400 Hrs, 24 HRS. ENDING AT OBSERVATION)	0700 Hrs AT OBSN.	PRECIPITATION: 24-HR AMOUNTS: Rain and/or melted snow, add to subsequent	PRECIPITATION: 24-HR AMOUNTS: Snow, ice pellets (thaw and measure)	PRECIPITATION: At 0700 Snow, ice on ground at observation time	WEATHER (Calendar Day): Fog	Ice Pellets	Glaze	Thunder	Hail	Dust or Other Obscurities	Time of observation different from above	RIVER STAGE: CONDITION	RIVER STAGE: GAGE READING AT ___ A.M.	RIVER STAGE: TENDENCY	REMARKS (Special observations, etc.)
1	72	41	52	-0-		○											
2	70	47	48	-0-													
3	71	46	49	-0-													
4	65	34	50	-0-													
5	68	50	53	-0-													
6	75	50	54	-0-													
7	63	54	59	.11													
8	74	57	61	-0-													
9	80	56	60	-0-													
10	80	60	60	-0-													
11	81	59	62	-0-													
12	80	62	63	-0-													
13	81	57	62	-0-													
14	81	55	55	-0-													
15	80	49	54	-0-													
16	79	54	58	-0-													
17	79	56	60	-0-													
18	80	54	58	-0-													
19	82	58	68	.13													
20	82	58	67	.24													
21	75	65	71	.43													
22	81	50	54	.02													
23	87	51	58	-0-													
24	87	58	63	-0-													
25	85	62	72	-0-													
26	85	55	56	-0-													
27	74	40	46	-0-													
28	68	43	47	-0-													
29	68	44	37	-0-													
30	72	44	58	-0-													
31																	
AVG	2290	1569	SUM	.93	○	X							X			X	

CONDITION OF RIVER AT GAGE: 76 52

A. Observed by rough rod.
B. Frozen, but seen at gage.
C. Used [illegible] of smooth rod.
D. Ice [illegible] above gage.
E. Ice gage below gage.
F. Shore rod.
G. Floating rod.
H. Pool stage.

CHECK BAR (For [illegible] NORMAL CK. BAR)

READING	DATE

OBSERVER: Bay County Water Treatment Plant Operator

SUPERVISING OFFICE:

STATION INDEX NO.: 08-684[illegible] 1

STATION (Climatological) Panama City 05 Northeast — (River Station, if different) — MONTH May — 19 92

STATE Florida — COUNTY Bay — RIVER

TIME (Hour) OF OBSERVATION (River) — TEMP. — PRECIPITATION — STANDARD TIME IN USE CST

TYPE OF RIVER GAGE — ELEVATION OF RIVER GAGE ZERO ft. — FLOOD STAGE ft. — NORMAL POOL STAGE ft.

WB 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. 2400 Hrs LST AT OBSERVATION MAX.	TEMPERATURE F. 2400 Hrs LST AT OBSERVATION MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS (Rain, melted snow, etc. (Inches and hundredths))	PRECIPITATION 24-HR AMOUNTS (Snow, ice pellets (Inches and tenths))	PRECIPITATION An Ob. (Snow, ice pellets, hail, etc. on ground (Inches))	PRECIPITATION Draw a straight line (——) through hours precipitation was observed, and a wavy 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	Duststorm or Sandstorm	Time of observation if different from above	RIVER STAGE Condition	RIVER STAGE Gage Reading at ___ A.M.	RIVER STAGE Tendency	REMARKS (Special observations, etc.)
1	76	53	56	TR		O												
2	85	56	64	-0-														
3	85	60	67	-0-														
4	82	67	68	.02														
5	86	51	54	-0-														
6	85	51	57	-0-														
7	71	47	49	.08														
8	66	40	46	-0-														
9	71	46	53	-0-														
10	77	48	51	-0-														
11	82	51	56	-0-														
12	83	53	58	-0-														
13	80	58	69	.13														
14	86	63	65	-0-														
15	89	60	67	-0-														
16	87	61	67	-0-														
17	85	65	66	-0-														
18	87	66	66	.04														
19	88	59	64	-0-														
20	85	58	63	-0-														
21	86	63	68	-0-														
22	87	68	69	-0-														
23	84	55	60	-0-														
24	84	56	60	-0-														
25	87	55	69	-0-														
26	87	63	65	-0-														
27	85	65	67	.13														
28	85	67	69	.25														
29	83	67	69	1.12														
30	82	69	73	.28														
31	83	64	66	.29														
✓	2569	1805	SUM	2.34	O	X	CHECK BAR (For accumulated) NORMAL CK. BAR						X	X	X			
AVG	83	58					READING / DATE											

CONDITION OF RIVER AT GAGE
A. Observed by rough ice.
B. Frozen but open at gage.
C. Ice across at smooth ice.
D. Ice above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER: Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

STATION (Check "typical" / Name of River Station, if different): Panama ty #5 Northeast

MONTH: June 19 92

STATE: Florida

COUNTY: Bay

RIVER:

TIME (Hour) OF OBSERVATION: RIVER: TEMP.: PRECIPITATION:

STANDARD TIME IN USE: CST

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

FORM D-91 (1-)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. 2400Hrs 24 HRS. ENDING AT OBSERVATION MAX.	TEMPERATURE F. 2400Hrs 24 HRS. ENDING AT OBSERVATION MIN.	TEMPERATURE F. 0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Use "T" for trace)	PRECIPITATION 24-HR AMOUNTS Snow, ice pellets (Use "T" for trace)	PRECIPITATION 24-HR AMOUNTS Snow, ice pellets, hail, ice on ground (Check)	PRECIPITATION Draw a straight line (—) through hours precipitation was observed, and a wiggled line (~~~) through hours precipitation probably occurred unobserved. A.M. 1 2 3 4 5 6 7 8 9 10 11 12 NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12	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	RIVER STAGE GAGE READING AT ___ A.M.	RIVER STAGE TENDENCY	REMARKS (Special observations, etc.)
1	87	59	67	-0-		○												
2	83	59	65	-0-														
3	86	65	71	TR														
4	79	71	76	.50														
5	83	72	75	-0-														
6	87	65	68	-0-														
7	87	68	74	-0-														
8	88	74	75	.03														
9	87	74	76	.32														
10	85	76	79	TR														
11	87	69	72	.17														
12	86	72	74	.08														
13	86	71	71	.03														
14	86	68	71	.05														
15	86	68	75	.80														
16	85	67	70	.56														
17	90	70	74	-0-														
18	91	72	73	-0-														
19	92	72	72	.02														
20	90	71	74	.03														
21	93	72	75	-0-														
22	91	70	70	-0-														
23	87	66	71	-0-														
24	89	72	75	-0-														
25	90	68	74	-0-														
26	91	72	75	-0-														
27	91	71	72	.09														
28	89	71	74	.03														
29	89	71	76	-0-														
30	88	71	81	.40														
31																		
AVG	2529	2087	SUM	3.11	○	X												

CONDITION OF RIVER AT GAGE: 88 70

A. Obscured by rough ice. B. Free of ice at gage. C. Upper edge 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 river gages) NORMAL CK. BAR

READING	DATE

OBSERVER: Bay County Water Treatment Plant Operator

SUPERVISING OFFICE:

STATION INDEX NO.: 08-6842-1

KEYED BY 11415

STATION (Climatological) Panama City #5 Northeast (River Station, if different)

MONTH July 19 92

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION (River)

TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE DATUM Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

WS FORM B-91 (7

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. (Incl. sub-freezing)	Snow, ice pellets (Incl. sub-freezing)	Ice On Gage	Draw a straight line (—) through hours precipitation was observed, and a wavy 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	85	70	82	1.15														
2	88	72	82	.14														
3	88	72	80	-0-														
4	90	78	79	-0-														
5	95	71	74	-0-														
6	94	72	81	-0-														
7	94	74	78	-0-														
8	95	75	79	-0-														
9	92	62	78	.57														
10	91	72	78	-0-														
11	90	71	75	-0-														
12	95	73	76	.04														
13	91	73	76	TR														
14	91	73	75	.13														
15	88	74	74	.49														
16	86	72	74	.23														
17	87	72	73	.36														
18	88	71	73	-0-														
19	87	71	74	.52														
20	90	71	73	.64														
21	91	73	74	.30														
22	89	71	73	.48														
23	87	72	74	.34														
24	89	71	73	1.11														
25	90	70	72	.12														
26	89	68	74	.96														
27	89	74	76	.12														
28	89	76	76	.32														
29	90	74	77	.02														
30	89	75	78	-0-														
31	88	72	74	-0-														
✓	2785	2235	SUM	8.04			CHECK BAR (✓) NORMAL CK. BAR											

AVG

CONDITION OF RIVER AT GAGE 90 72

A. Obstructed by rough ice.
B. Frazil ice upon ice gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Flood stage.

READING | DATE

OBSERVER
Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO.
08-6842 1

REVIEWED BY 11415

STATION (Climatological) Panama City #5 Northeast — (River Station, if different)

MONTH August — 19 92

WS FORM B-91

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

STATE Florida — COUNTY Bay — RIVER

TIME (local) OF OBSERVATION RIVER — TEMP. — PRECIPITATION — STANDARD TIME IN USE CST

TYPE OF RIVER GAGE — ELEVATION OF RIVER GAGE ZERO ft. — FLOOD STAGE ft. — NORMAL POOL STAGE ft.

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DAY	TEMPERATURE F. 2400 Hrs AT OBSERVATION MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, & ice (Enter trace as T)	Snow, sleet & ice pellets (Enter trace as T)	Snow, sleet & ice pellets (Enter trace as T)	An Ob.	PRECIPITATION — Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred undetected. A.M. / NOON / P.M.	WEATHER (Calendar Day) Mark "X" for all types occurring each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Wind	Time of observation if other than 2400 hours	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	90	71	73	.24			0												
2	91	72	75	.02															
3	89	71	73	TR															
4	89	71	74	.03															
5	90	73	76	-0-															
6	91	71	73	-0-															
7	91	71	73	-0-															
8	91	72	74	.49															
9	90	74	75	.03															
10	90	71	73	1.10															
11	93	70	71	.36															
12	90	70	73	-0-															
13	87	71	73	1.84															
14	78	73	76	3.41															
15	81	72	73	.02															
16	86	70	70	-0-															
17	87	70	73	.72															
18	83	71	72	.83															
19	85	72	73	.04															
20	76	68	71	.56															
21	86	71	73	-0-															
22	83	70	73	1.75															
23	88	69	71	.17															
24	81	72	74	.54															
25	91	72	76	.29															
26	91	73	75	.11															
27	88	75	77	-0-															
28	86	71	74	1.70															
29	87	68	68	-0-															
30	84	59	61	-0-															
31	85	61	64	-0-															
	2698	2185	SUM	14.25	0	X													

CHECK BAR (For automatic) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE 87 70

A. Observed by rough rev.
B. Frozen, but open at gage.
C. U[illegible] surface of smooth rev.
D. Ice [illegible] above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

AVG 133

KEYED BY (07)...

STATION (Climatological-Hydrological) Panama ty #5 Northeast (River Station, if different)

STATE Florida

COUNTY Bay

MONTH September 19 92

RIVER

TIME (Hours) OF OBSERVATION RIVER | TEMP. | PRECIPITATION | STANDARD TIME IN USE CST

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

WS 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. 2400 Hrs 24 HRS. ENDING AT OBSERVATION MAX	MIN	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS (Rain, melted snow, etc. (Inc. and hundredths))	(Snow, ice pellets (Inc. and tenths))	At Ob. (Snow, ice pellets (Inc. and tenths) on ground)	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation was/was not observed but occurred. A.M. NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	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 HEADING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	89	64	67	-0-		( )													
2	89	67	69	-0-															
3	91	67	72	-0-															
4	89	48	72	-0-															
5	90	71	71	.75															
6	87	71	74	.39															
7	85	69	71	.03															
8	89	69	71	.03															
9	89	69	71	.04															
10	90	69	72	-0-															
11	90	69	71	-0-															
12	92	71	72	.24															
13	92	72	72	.88															
14	90	65	65	-0-															
15	90	65	70	-0-															
16	87	71	73	-0-															
17	88	72	72	.02															
18	87	67	69	-0-															
19	88	68	69	TR															
20	88	67	69	-0-															
21	87	67	69	-0-															
22	87	66	68	-0-															
23	87	68	73	-0-															
24	88	72	73	-0-															
25	80	65	65	-0-															
26	81	65	68	.02															
27	74	67	74	2.25															
28	81	72	72	.03															
29	82	69	69	-0-															
30	84	66	66	-0-															
31																			
Avg	2611	2028	Sum	4.68	( )	X											X	X	X

CHECK BAR (For mid-month) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE 87 68

A. Observed by rough ice.
B. Frozen but open at gage.
C. Ice in place of smooth ice.
D. Ice above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-68420 1

AVG

STATION (Climatological) Panama City #5 Northeast | (River Station, if different) | MONTH October | YR 92

STATE Florida | COUNTY Bay | RIVER

TIME (Hour) OF OBSERVATION (River) | TEMP. | PRECIPITATION | STANDARD TIME IN USE CST

TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

WS FORM B-91 (7-

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. 2400 Hrs 24-HRS. ENDING AT OBSERVATION MAX	MIN	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc., plus any dew and frost deposit	Snow, ice pellets, sleet, and hail only	At 0700 Hrs. Snow, ice pellets, sleet, ice on ground	Draw a straight line (connected through hours precipitation was observed) and a wavy line (connected through hours precipitation probably occurred unobserved). A.M. NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12	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	79	58	58	-0-												
2	69	58	60	TR												
3	69	58	67	.38												
4	78	63	64	1.37												
5	76	60	61	-0-												
6	75	59	60	-0-												
7	74	58	61	-0-												
8	80	60	66	-0-												
9	77	65	67	-0-												
10	84	58	58	-0-												
11	78	58	70	-0-												
12	79	44	45	-0-												
13	73	45	47	-0-												
14	77	47	52	-0-												
15	81	52	58	-0-												
16	82	55	57	-0-												
17	82	57	65	TR												
18	77	63	65	TR												
19	78	45	48	TR												
20	74	42	47	-0-												
21	77	47	53	-0-												
22	82	52	53	-0-												
23	82	52	53	-0-												
24	79	45	46	-0-												
25	76	46	54	-0-												
26	82	50	54	-0-												
27	81	54	62	-0-												
28	77	57	62	.04												
29	79	57	60	-0-												
30	78	59	66	.29												
31	77	61	63	.04												
✓	2412	1685	SUM	2.12			CHECK BAR (For mid-month: NORMAL CK. BAR									

CONDITION OF RIVER AT GAGE 78 54

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upstream [illegible] of rough ice.
D. Ice [illegible] gage.
E. Ice gorge below gage.
F. Shore ice.
G. Flooding ice.
H. Pool stage.

HEADING	DATE

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

REVISED 07/2002

VG

KEYED BY 1753D

STATION (Climatological) Panama City #5 Northeast (River Station, if different)

STATE Florida

COUNTY Bay

MONTH November 19 92

RIVER

TIME (Local) OF OBSERVATION RIVER | TEMP. | PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

WS FORM B-91 (7

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. 2400 Hrs 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inches and hundredths)	Snow, ice pellets & hail (Inches and tenths)	Snow, ice pellets, hail, ice on ground (Inches)	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred but was not observed. 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	82	60	69	-0-														
2	82	63	70	.21														
3	75	64	66	TR														
4	83	66	75	-0-														
5	82	65	69	1.03														
6	71	38	40	.66														
7	57	40	42	-0-														
8	59	41	44	-0-														
9	64	44	50	-0-														
10	68	50	56	-0-														
11	74	56	62	-0-														
12	73	61	72	2.32														
13	78	50	51	.16														
14	65	37	39	-0-														
15	66	36	39	-0-														
16	71	39	45	-0-														
17	65	44	44	-0-														
18	64	52	52	-0-														
19	76	52	58	-0-														
20	80	58	62	-0-														
21	78	62	67	.32														
22	78	67	73	TR														
23	78	55	68	.36														
24	74	58	70	.05														
25	79	68	74	.40														
26	77	56	57	.71														
27	57	46	46	.22														
28	58	33	39	-0-														
29	53	35	38	-0-														
30	56	30	33	-0-														
31																		
	2123	1526	sum	6.44			CHECK BAR (If no current gage) NORMAL CR. BAR											

CONDITION OF RIVER AT GAGE 71 51

A. Obstructed by rough ice. E. Ice gorge below gage.
B. Frozen over or open at gage. F. Shore ice.
C. Upstream ice of smooth ice. G. Floating ice.
D. Ice gorge above gage. H. Pool stage.

READING	DATE

OBSERVER Bay County Water Treatment Plant

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

AVG

STATION (Climatological) Panama City #5 Northeast (River Station, if different)

MONTH December 19 92

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION RIVER | TEMP. | PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO ft.

FLOOD STAGE ft.

NORMAL POOL STAGE ft.

WS FORM B-91 9)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. 2400 Hrs 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Also enter zero)	Snow, ice pellets (Also enter zero)	Ice on ground (Snow, ice pellets, hail, ice on ships)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	60	35	45	-0-														
2	60	38	49	.17														
3	64	30	44	-0-														
4	63	32	40	-0-														
5	68	40	56	.02														
6	58	38	39	-0-														
7	66	39	57	-0-														
8	72	42	42	.06														
9	57	38	39	-0-														
10	64	39	50	1.02														
11	63	43	44	-0-														
12	59	35	37	-0-														
13	62	32	33	-0-														
14	59	33	41	-0-														
15	65	41	53	-0-														
16	68	53	64	TR														
17	72	64	70	TR														
18	70	44	45	.35														
19	70	50	57	-0-														
20	74	55	57	-0-														
21	77	57	61	TR														
22	75	61	61	.02														
23	75	59	59	-0-														
24	76	58	61	-0-														
25	68	41	42	-0-														
26	NR	NR	NR	~~NR~~														Not Recorded
27	58	53	54	.02														
28	61	45	45	-0-														
29	64	45	47	-0-														
30	62	46	50	-0-														
31	58	51	51	-0-														
✓	1968	1337	Sum	1.66			CHECK BAR (For microweight) NORMAL CK. BAR											

AVG 66 45

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

READING | DATE

OBSERVER
Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO.
08-6842 1

STATION (Climatological) Panama City #5 Northeast (River Station, if different)

MONTH January 19 93

FORM B-91

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

STATE Florida

COUNTY Bay

RIVER

TIME (local) OF OBSERVATION RIVER | TEMP. | PRECIPITATION | STANDARD TIME IN USE CST

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 hours 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted (snow, sleet, hail, and sandstorm)	Snow, ice pellets (hail, ice crystals)	Ice on Ground (Enter T if trace)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	69	51	59	-0-														
2	72	51	54	-0-														
3	75	51	56	-0-														
4	75	55	62	-0-														
5	72	62	69	.32														
6	78	63	63	.03														
7	65	63	63	.98														
8	71	62	66	4.04														
9	68	55	56	.10														
10	61	56	58	TR														
11	65	56	56	.06														
12	69	56	69	.68														
13	74	66	66	.40														
14	68	47	47	-0-														
15	58	44	45	TR														
16	58	44	47	.88														
17	62	36	36	.01														
18	63	36	44	-0-														
19	69	44	51	-0-														
20	72	51	55	.04														
21	63	54	63	-0-														
22	69	61	61	1.07														
23	76	40	49	-0-														
24	76	40	62	-0-														
25	68	41	41	.73														
26	55	41	44	.03														
27	49	38	40	.22														
28	65	31	33	-0-														
29	66	33	46	-0-														
30	62	46	51	-0-														
31	70	35	35	-0-														
Σ	2083	1509	SUM	9.59	0		CHECK BAR (For automatic gage) NORMAL CK. BAR											
AVG	67	49																

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. [illegible] surface of smooth ice. G. Floating ice.
D. [illegible] above gage. H. Pool stage.

READING | DATE

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

STATION (Climatological) Panama City #5 Northeast (River Station, if different)

MONTH February 19 93

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION (River)

TEMP.

PRECIPITATION

STANDARD TIME IN USE cst

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

WB FORM B-91 (

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

CY 11415

DATE	TEMPERATURE F. 24 hours 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inc. and hundredths)	Snow, ice pellets (Inch and tenths)	At Ob. Snow, ice pellets (Inch and tenths)	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 2 3 4 5 6 7 8 9 10 11 12	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	67	35	49	-0-														
2	68	36	40	-0-														
3	65	30	31	-0-														
4	65	31	44	-0-														
5	64	37	46	-0-														
6	70	46	53	.01														
7	53	51	53	1.52														
8	60	43	43	TR														
9	65	37	39	-0-														
10	68	39	53	-0-														
11	60	53	60	-0-														
12	72	55	68	.46														
13	64	43	47	-0-														
14	61	36	40	-0-														
15	63	40	47	-0-														
16	68	47	66	-0-														
17	74	38	39	.22														
18	63	35	36	-0-														
19	63	28	29	-0-														
20	54	29	41	-0-														
21	63	~~Nit~~	63	-0-														
22	72	62	63	.65														
23	74	45	45	-0-														
24	67	33	42	-0-														
25	64	46	48	-0-														
26	60	55	59	2.14														
27	61	40	41	-0-														
28	62	41	44	-0-														
29																		
30																		
31																		
	1810	1112	SUM	5.00														

CHECK BAR (For comparison) NORMAL CR. BAR

READING	DATE

CONDITION OF RIVER AT GAGE 65 41

A. Obstructed by ice, etc.
B. Frozen, but open at gage.
C. Ice in vicinity of gage.
D. Ice below gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Flood stage.

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

AVG

KEYED BY CNOS

STATION (Climatology) Panama Cl (Rainfall Station, if different) #5 Northeast
MONTH March YR 93
STATE Florida COUNTY Bay RIVER
TIME (Hours) OF OBSERVATION RIVER TEMP. PRECIPITATION STANDARD TIME IN USE CST
TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO ft. FLOOD STAGE ft. NORMAL POOL STAGE ft.

WS FO 7-91
(7-89)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. 24 Hours (24 HRS. ENDING AT OBSERVATION) MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inches and hundredths)	Snow, ice pellets (Inches and tenths)	At Ob. Snow, ice pellets still on ground (Inches and tenths)	Draw a straight line (——) through hours precipitation was observed, and a zig-zag line (/\/\/\) through hours precipitation probably occurred unobserved. A.M. NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12 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	Duststorm or Sandstorm	Time of observation differs from above	RIVER STAGE CONDITION	GAGE READING AT A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	64	46	47	-0-													
2	67	46	51	-0-													
3	69	51	60	.92													
4	60	44	51	1.01													
5	60	44	49	-0-													
6	60	41	46	-0-													
7	64	35	41	-0-													
8	65	41	55	-0-													
9	70	47	51	-0-													
10	77	44	50	-0-													
11	73	50	55	-0-													
12	71	48	49	-0-													
13	67	34	34	1.71													
14	40	28	29	-0-													
15	48	29	32	-0-													
16	56	32	43	-0-													
17	66	43	57	.14													
18	58	46	47	.05													
19	69	44	45	-0-													
20	68	45	50	-0-													
21	70	50	57	-0-													
22	76	50	58	-0-													
23	74	58	63	TR													
24	73	57	61	-0-													
25	73	51	56	TR													
26	77	56	60	.42													
27	76	48	52	-0-													
28	66	46	56	-0-													
29	73	45	56	-0-													
30	79	52	56	-0-													
31	77	62	70	.76													
AVG	2086	1413	sum	5.01			CHECK BAR (For automatic gage) NORMAL CR. BAR										

CONDITION OF RIVER AT GAGE 67 46

A. Obstructed by rough ice.
B. Frozen over at gage.
C. Upper edge 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
Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO.
08-6842-01

KEYED BY 04940

STATION (Climatological) Panama ty #5 Northeast (River Station, if different)

MONTH April 19 93

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION RIVER | TEMP. | PRECIPITATION | STANDARD TIME IN USE CST

TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO ft. | FLOOD STAGE ft. | NORMAL POOL STAGE ft.

WS 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. 2400 Hrs 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Incl. dew and hoarfrost)	Snow, ice pellets (not incl. in col. 3)	Snow, ice pellets (Incl. sleet, and hail)	Ice on Gage	PRECIPITATION 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 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12	WEATHER (Calendar Day) Mark "X" for all types occurring each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if differs from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	76	50	57	-0-			○													
2	71	48	51	-0-																
3	66	38	47	-0-																
4	66	53	55	TR																
5	67	54	59	.28																
6	70	51	53	-0-																
7	73	46	48	-0-																
8	74	48	53	-0-																
9	74	53	67	-0-																
10	70	49	50	.11																
11	75	45	47	-0-																
12	77	47	49	-0-																
13	78	49	61	-0-																
14	78	50	53	-0-																
15	76	53	69	-0-																
16	76	49	49	.56																
17	66	49	51	-0-																
18	73	49	49	-0-																
19	75	45	48	-0-																
20	77	47	54	-0-																
21	75	54	65	.02																
22	74	44	45	-0-																
23	69	34	38	-0-																
24	70	39	44	-0-																
25	74	44	59	-0-																
26	79	59	69	.23																
27	80	52	55	.18																
28	80	52	53	-0-																
29	76	46	50	-0-																
30	75	48	55	-0-																
31																				
✓	2210	1396	SUM	1.38			X										X	X	X	

CHECK BAR (For mid-month) NORMAL CK. BAR

READING	DATE

AVG

CONDITION OF RIVER AT GAGE 74 47

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. U[illegible] surface of smooth ice.
D. [illegible] above gage.
E. Ice gage below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

YED BY 17540

STATION (Climatological call) Panama City #5 Northeast (River Station, if different)
MONTH May 19 93
STATE Florida
COUNTY Bay
RIVER
TIME (Local) OF OBSERVATION RIVER
TEMP.
PRECIPITATION
STANDARD TIME IN USE CST
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO ft.
FLOOD STAGE ft.
NORMAL POOL STAGE ft.

WF 7MB-91 (7-
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. 2400 Hours 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 Hrs AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted (Incl. snow, ice pellets and hail)	(Incl. ice pellets, hail, ice on ground)	At Ob. (Snow, ice pellets, hail, ice on ground)	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation probably occurred unobserved. A.M. 1 2 3 4 5 6 7 8 9 10 11 12 NOON 1 2 3 4 5 6 7 8 9 10 11 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	76	55	61	-0-													
2	71	61	64	.07													
3	77	50	68	TR													
4	76	57	67	.03													
5	80	54	64	-0-													
6	88	56	62	-0-													
7	89	57	63	-0-													
8	81	60	65	-0-													
9	85	64	65	.05													
10	87	60	65	-0-													
11	80	57	62	.06													
12	81	56	61	-0-													
13	79	61	71	-0-													
14	79	54	56	-0-													
15	78	56	62	-0-													
16	82	57	61	-0-													
17	82	59	67	-0-													
18	87	60	65	-0-													
19	82	62	72	-0-													
20	81	62	66	.01													
21	84	53	60	-0-													
22	80	46	54	-0-													
23	81	45	57	-0-													
24	82	54	65	-0-													
25	82	61	67	-0-													
26	83	61	67	-0-													
27	81	64	69	-0-													
28	83	68	68	-0-													
29	86	68	71	-0-													
30	87	63	68	.70													
31	87	67	70	-0-													
Σ	2537	1808	Sum	.92		X								X	X	X	

CHECK BAR (For autographic) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE AVG 82 58

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

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

KEYED BY 00722

STATION (Climatological) Panama City #5 Northeast (River Station, if different)

MONTH June 19 93

STATE Florida

COUNTY Bay

RIVER

TIME (Local) OF OBSERVATION RIVER | TEMP. | PRECIPITATION

STANDARD TIME IN USE CST

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. 2400 Hrs 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 HRS AT OBSN.	PRECIPITATION 24-HR AMOUNTS (Rain, melted snow, etc. (Inches and hundredths))	(Snow, ice pellets, sleet, and hail (Inches and tenths))	Ice on Gage (Inches, ice pellets, sleet, and hail)	PRECIPITATION (Draw a straight line (——) through hours precipitation was observed, and a wavy 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	87	67	71	-0-													
2	89	61	64	-0-													
3	01	57	69	-0-													
4	84	69	76	-0-													
5	85	70	74	-0-													
6	86	71	77	-0-													
7	89	69	73	-0-													
8	88	65	69	-0-													
9	90	64	66	-0-													
10	92	66	70	-0-													
11	93	70	73	-0-													
12	96	69	76	-0-													
13	92	72	72	.10													
14	95	70	72	1.89													
15	89	70	71	.44													
16	93	68	72	-0-													
17	92	69	73	-0-													
18	91	69	72	-0-													
19	90	70	73	-0-													
20	87	66	72	-0-													
21	89	68	71	-0-													
22	89	70	71	-0-													
23	86	67	72	-0-													
24	86	70	73	-0-													
25	87	72	72	TR													
26	86	71	74	-0-													
27	87	71	73	.65													
28	89	71	73	1.18													
29	85	73	75	.31													
30	89	71	80	.52													
31																	
✓	2668	2058	SUM	5.09			CHECK BAR (For microweight) NORMAL CK. BAR										

CONDITION OF RIVER AT GAGE 89 69

A. Obstructed by rough ice.
B. Frozen but open at gage.
C. Unbroken surface of smooth ice.
D. Ice above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Flood stage.

READING	DATE

OBSERVER Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

AVG

WS FORM B-91
(7-89)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological) Panama Ci 15 Northeast (River station, if different)
STATE Florida
COUNTY Bay
MONTH July
19 93
RIVER
TIME (Local) OF OBSERVATION RIVER
TEMP.
PRECIPITATION
STANDARD TIME IN USE CST
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO ft.
FLOOD STAGE ft.
NORMAL POOL STAGE ft.

DATE	TEMPERATURE 2400 24-HR MAX.	TEMPERATURE 2400 24-HR MIN.	TEMPERATURE 0700 HRS AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Hs. ending 2400 local standard time)	PRECIPITATION 24-HR AMOUNTS Snow, ice pellets, hail, and sleet (Hs. ending 2400 local standard time)	PRECIPITATION At Ob. Snow, ice pellets, hail, and sleet on ground (Hs. ending 0700 local standard time)	PRECIPITATION Draw a straight line (——) through hours precipitation was observed, and a curved line (⌒⌒⌒) through hours precipitation probably occurred unobserved. A.M. NOON P.M.	WEATHER (Calendar Day) Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	RIVER STAGE CONDITION	RIVER STAGE GAGE READING AT ___ A.M.	RIVER STAGE TENDENCY	REMARKS (Special observations, etc.)
1	89	69	79	1.73		0												
2	93	70	74	1.66														
3	95	72	74	0.00														
4	90	70	73	0.12														
5	88	69	73	0.00														
6	89	69	76	0.00														
7	91	74	77	0.00														
8	92	68	72	0.66														
9	91	71	75	0.00														
10	89	72	76	0.00														
11	91	71	74	0.00														
12	87	70	74	0.31														
13	89	70	73	0.08														
14	88	68	72	0.07														
15	90	70	72	0.00														
16	90	70	71	0.00														
17	89	71	77	0.00														
18	91	77	80	0.00														
19	90	76	78	0.61														
20	90	75	77	0.00														
21	92	74	77	0.08														
22	90	74	76	0.00														
23	90	74	77	0.00														
24	90	74	76	0.00														
25	88	72	75	0.00														
26	90	71	74	0.00														
27	92	74	79	0.00														
28	94	72	75	1.05														
29	94	71	75	0.30														
30	93	72	77	0.00														
31	96	70	80	0.00														
✓	2809	2220	SUM	6.67			CHECK BAR (For mid-month gage) NORMAL CK. BAR											
AVG	91	72					READING / DATE											

CONDITION OF RIVER AT GAGE
A. Observed by rough ice.
B. Frozen, but open at gage.
C. Upper [illegible] of smooth ice.
D. Ice [illegible] gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Flood stage.

OBSERVER

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

STATION (Climatological) PANAMA CIT '5 NORTHEAST (River Station, if different)

MONTH AUGUST 19 93

STATE FLORIDA

COUNTY BAY

RIVER

TIME (local) OF OBSERVATION RIVER | TEMP. | PRECIPITATION | STANDARD TIME IN USE CST

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

WS FORM B-91 (7-

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. 2400 HOURS 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 HRS AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Incl. amt. from bucket)	Snow, ice pellets (Incl. amt. melted)	At Ob. Snow, ice pellets, sleet, hail on ground (Yes)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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 observ. as if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	95.3	54.4	71.7	0.00													
2	95.3	54.4	74.7	0.00													
3	90.5	69.9	73.5	0.00													
4	91.5	73.4	76.1	0.00													
5	91.4	73.5	74.1	0.00													
6	91.2	71.4	73.2	0.00													
7	91.0	73.2	82.2	0.00													
8	91.7	71.7	79.7	0.00													
9	93.7	70.3	76.2	0.00													
10	86.6	73.0	73.7	0.39													
11	91.5	73.0	75.5	0.21													
12	89.9	69.8	72.3	0.40													
13	91.7	69.4	73.5	0.11													
14	91.7	69.4	79.7	0.00													
15	90.6	75.3	77.3	TR													
16	91.0	73.5	74.8	0.00													
17	90.8	70.3	74.1	0.06													
18	95.3	73.4	75.7	0.00													
19	95.0	75.5	77.9	0.00													
20	94.2	71.2	71.4	0.28													
21	90.1	71.4	73.2	0.14													
22	89.6	72.1	73.9	0.00													
23	90.1	73.9	77.7	0.00													
24	93.7	73.7	74.6	0.02													
25	94.1	72.3	72.3	0.03													
26	96.6	72.3	75.2	0.00													
27	93.7	72.1	72.6	0.02													
28	89.2	69.2	71.6	0.12													
29	93.2	71.6	75.0	0.00													
30	87.6	72.6	73.4	0.00													
31	80.9	73.0	73.5	0.51													
	2849	2220	SUM	2.26			CHECK BAR (For wire-weight) NORMAL CK. BAR										

AVG 92 72

CONDITION OF RIVER AT GAGE

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

READING	DATE

OBSERVER

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

KEYED BY WJS

STATION (Climatological) PANAMA CI #5 NORTHEAST (River Station, if different)
STATE FLORIDA
COUNTY BAY
TIME (local) OF OBSERVATION RIVER
TEMP. 24
PRECIPITATION 09
MONTH SEPT
YR 02
RIVER
STANDARD TIME IN USE CST
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

WS FORM B-91 (7

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. 2400 HRS 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 HRS AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Incl. dew and frost)	Snow, ice pellets (sleet), ice on ground (Incl. in rain)	Hourly Precipitation (Draw a straight line (——) through hours precipitation was observed, and a wavy 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	DE 2	73.4	74.4	0.04													
2	85.2	73.4	75.2	0.56													
3	88.7	74.4	75.7	0.03													
4	86.3	73.7	73.9	1.05													
5	85.2	71.0	72.3	0.48													
6	82.7	72.3	74.4	0.09													
7	86.3	71.9	73.2	0.19													
8	80.9	70.3	70.8	0.12													
9	86.9	70.1	71.9	0.43													
10	85.1	71.6	72.8	0.22													
11	74.4	68.0	70.8	0.35													
12	87.8	67.2	69.2	0.02													
13	87.8	69.2	72.1	0.00													
14	87.6	71.2	72.3	0.19													
15	88.3	71.0	71.6	0.03													
16	89.6	68.9	70.5	TR													
17	88.3	70.5	71.7	0.04													
18	89.6	70.7	71.4	0.29													
19	90.8	70.1	70.5	0.56													
20	93.3	70.3	73.4	0.00													
21	90.1	69.9	71.2	1.23													
22	91.9	70.3	72.5	0.00													
23	92.6	61.8	62.2	0.00													
24	91.0	62.2	64.7	0.00													
25	93.2	64.4	68.3	0.00													
26	88.1	64.5	68.3	0.00													
27	87.6	68.3	73.9	0.32													
28	82.4	55.7	55.9	0.02													
29	91.6	52.1	57.3	0.00													
30	86.1	53.9	58.6	0.00													
31																	
✓	2625	2042	SUM	6.26													
AVG				.21													

CHECK BAR (For non-recording gages) NORMAL CK. BAR

READING	DATE

CONDITION OF RIVER AT GAGE 87.5 68.1

A. Observation by rough ice.
B. Frozen, but open at gage.
C. Ice in vicinity of gage.
D. Ice observed above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

OBSERVER

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

STATION (Climatological) (River Station, if different)
PANAMA / #5 NORTHEAST

MONTH: OCT 19 93

STATE: FLORIDA

COUNTY: BAY

RIVER:

TIME (local) OF OBSERVATION: RIVER / TEMP. / PRECIPITATION

STANDARD TIME IN USE: CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE DATUM 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. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 HRS. AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Dew, frost, and rime)	Snow, ice pellets (Dew, and rime)	At Ob. Snow, ice pellets (Frost, and rime)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	80.6	44.4	50.1	0.00														
2	81.5	49.6	57.9	0.00														
3	86.1	54.8	55.5	0.00														
4	89.0	55.5	59.1	0.00														
5	86.8	56.1	62.0	0.00														
6	86.7	59.3	65.0	0.00														
7	86.1	65.4	65.6	0.04														
8	74.8	65.3	66.0	0.08														
9	82.9	63.5	65.8	0.00														
10	84.2	66.9	66.9	0.00														
11	81.8	48.3	48.3	0.00														
12	75.5	48.3	54.3	0.00														
13	75.0	44.0	47.6	0.00														
14	78.9	47.6	61.3	0.00														
15	78.9	68.5	69.2	0.00														
16	81.8	68.5	68.5	1.80														
17	75.7	63.5	66.3	0.03														
18	85.1	61.5	62.2	0.00														
19	84.2	60.8	64.5	0.00														
20	84.5	62.9	64.7	0.00														
21	84.5	64.7	66.3	0.00														
22	85.6	51.9	67.8	0.00														
23	85.1	60.0	60.4	0.00														
24	63.8	56.1	58.4	0.21														
25	78.2	58.4	62.6	0.00														
26	77.7	62.3	63.1	0.00														
27	80.4	55.7	56.4	0.00														
28	78.4	54.3	55.4	0.00														
29	71.7	50.9	57.2	0.00														
30	78.6	57.2	67.6	1.15														
31	78.6	38.6	38.8	0.21														
Sum	2503	1765	SUN	3.52			CHECK BAR (For autocorrelation) NORMAL CK. BAR											
AVG	80.7	56.9		0.11			READING / DATE											

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Frozen but open at gage.
C. Unbroken 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. 08-6842 1

STATION (Climatological) PANAMA CITI (River Station, if different) NORTHEAST

STATE FLORIDA COUNTY BAY

MONTH NOV RIVER

19 93

TIME (Hour) OF OBSERVATION (When) TEMP. PRECIPITATION

STANDARD TIME IN USE CST

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

WS FORM B-91 (7-89)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	0700 HRS. AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, sleet, hail, and ice pellets	Snow, ice pellets and sleet	Ice on Ground	Chart Showing Hours Precipitation Occurred	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 that shown	RIVER STAGE GAGE READING AT ___ A.M.	CODE	TENDENCY	REMARKS (Special observations, etc.)
1	50.3	28.9	34.3	0.00		O												
2	60.6	27.6	40.0	0.00														
3	63.6	39.2	58.8	0.00														
4	74.1	54.6	54.6	TR														
5	74.3	54.6	73.5	0.00														
6	77.5	63.1	65.4	2.03														
7	65.4	37.4	38.4	0.00														
8	59.5	35.7	45.8	TR														
9	66.2	48.2	55.4	TR														
10	58.6	50.7	51.0	0.55														
11	69.4	35.4	36.6	0.00														
12	72.3	36.6	49.1	0.00														
13	74.6	49.1	58.4	0.00														
14	82.0	59.4	72.3	0.00														
15	81.3	65.6	65.8	0.00														
16	84.2	61.5	62.9	0.00														
17	81.6	62.4	66.0	0.00														
18	81.6	57.2	57.7	0.05														
19	70.3	44.5	50.9	0.02														
20	71.0	50.9	58.6	0.00														
21	66.5	37.9	46.2	0.00														
22	67.6	42.6	45.6	0.00														
23	73.4	49.4	51.2	0.00														
24	75.7	39.2	51.7	0.00														
25	76.1	44.7	48.5	0.00														
26	78.9	48.7	57.0	TR														
27	69.4	56.8	57.0	0.17														
28	63.5	34.8		0.00														
29	63.5	31.8	33.4	0.00														
30	68.9	33.0	36.1	0.00														
31																		
	2122	1381	SUM	2.82														
AVG	70.7	46.0		0.09														

CHECK BAR (For meteorologist) NORMAL CK. BAR

	Fog	Ice Pel.	Glaze	Thund.	Hail	Dam. Winds

CONDITION OF RIVER AT GAGE

A. Observed by rough ice.
B. Frozen, but open at gage.
C. Water [illegible] of smooth ice.
D. Ice gorge [illegible] gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

READING	DATE

OBSERVER

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

KEYED BY CODE

AFEB87 00732

STATION (Climatological) PANAMA CITY (River Station, if different) NORTHEAST
STATE FLORIDA
COUNTY BAY
MONTH DECEMBER
YR 93
RIVER
TIME (Local) OF OBSERVATION RIVER
TEMP.
PRECIPITATION
STANDARD TIME IN USE CST
TYPE OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO ft.
FLOOD STAGE ft.
NORMAL POOL STAGE ft.

WS FOR 1
(7-89)

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.	0700 HRS AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inches and hundredths)	Snow, ice pellets (Inches and tenths)	Snow, ice on level (Inches and tenths)	as of 0700 HRS	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~) through hours precipitation was variously reported or observed. A.M. NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 12 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	Times of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	73.9	36.1	48.2	0.00															
2	71.4	46.4	46.9	0.00															
3	74.4	48.6	55.5	0.00															
4				*															
5	75.0	47.4	54.3	0.15															
6	65.6	41.9	43.8	0.00															
7	63.8	34.8	38.8	0.00															
8	63.8	36.6		0.00															
9	69.9	37.0	39.0	0.00															
10	71.6	49.0	53.5	0.00															
11	62.4	51.0	53.0	0.06															
12	58.0	29.0	33.0	0.00															
13	56.3	38.0	38.0	0.00															
14	63.8	46.9	54.8	0.99															
15	62.6	39.9	41.9	0.00															
16	51.8	37.4	38.8	0.00															
17	56.8	30.9	33.3	0.00															
18	61.3	34.0	38.3	0.00															
19	64.9	38.3	46.9	0.02															
20	59.1	43.5	49.4	0.30															
21	66.5	41.5	44.7	2.28															
22	56.6	33.9	42.2	0.00															
23	46.7	36.1	38.4	0.75															
24	41.9	34.8	38.1	0.00															
25	40.8	29.3	37.0	0.36															
26	57.3	25.1	25.3	0.00															
27	52.3	31.4	42.4	0.00															
28	64.5	34.7	40.4	0.00															
29	68.0	48.3	52.8	0.04															
30	69.0	36.6	38.0																
31	51.2	23.1	31.0																
	1843	1142	SUM	4.95															
				0.16															

CONDITION OF RIVER AT GAGE
59.5 36.8
A. Obstructed by ice, etc.
B. Frozen, but open at gage.
C. Upper surface smooth ice.
D. Ice gorge at gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

CHECK BAR (For accuracy) NORMAL CK. BAR
READING
DATE

OBSERVER

SERVICING OFFICE

STATION INDEX NO. 08-6842-1

VG.

PANAMA CITY #5 NORTHEAST — JAN 19 94

STATE: FLORIDA — COUNTY: BAY — RIVER: — STANDARD TIME IN USE: CST

TIME (Hour) OF OBSERVATION (RIVER) — TEMP. — PRECIPITATION — TYPE OF RIVER GAGE — ELEVATION OF RIVER GAGE ZERO ft. — FLOOD STAGE ft. — NORMAL POOL STAGE ft.

WB FORM B-91 (7-77)

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.	0700 HRS AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (in.) and hundredths	Snow, ice pellets (in.) and tenths	At 06 Snow, ice pellets (in.) on ground (in.)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	56.0	30.0	40.0	0.00												
2	51.2	40.8	44.0	0.59												
3	68.3	41.7	51.6	TR												
4	64.5	36.0	42.0	0.22												
5	53.4	30.8	31.1	0.00												
6	49.2	30.0	39.3	0.00												
7	57.0	39.3	64.2	0.00												
8	62.6	39.9	40.1	0.25												
9	50.5	26.2	29.3	0.00												
10	57.0	29.1	35.7	0.00												
11	62.6	35.7	50.3	0.00												
12	66.2	47.5	58.2	0.65												
13	61.7	48.7	48.7	0.46												
14	46.5	38.4	45.3	0.55												
15	63.0	28.0	38.2	0.00												
16	55.0	29.8	30.3	0.00												
17	51.0	30.3	53.2	0.00												
18	63.5	32.0	36.3	0.95												
19	51.2	24.8	28.6	0.00												
20	45.8	30.7	33.2	0.00												
21	58.2	32.0	34.1	0.00												
22	57.3	23.1	26.4	0.00												
23	59.1	25.3	26.6	0.00												
24	63.3	26.4	39.3	0.00												
25	67.1	37.5	39.3	0.00												
26	71.2	43.8	46.7	0.00												
27	74.6	52.8	58.1	0.00												
28	70.1	58.1	66.7	0.68												
29	73.9	53.0	53.0	0.25												
30	57.7	46.9	47.3	1.92												
31	50.3	33.9	35.2	0.00												
	1839	1123	SUM	6.52												
AVG	59.3	36.2		0.21												

CHECK BAR (For ____ gage) 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. 08-6842 1

W 9MB-91
(7

U.S. DEPARTM
NATIONAL OCEANIC AND ATMOSPHEF
NATIONAL

COMMERCE
INISTRATION
HER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological) PANAMA 'Y #5 NORTHEAST (River Station, if different)
STATE FLORIDA
COUNTY BAY
MONTH FEB
YEAR 94
RIVER
TIME (local) OF OBSERVATION (River) 0700
TEMP. 07
PRECIPITATION 07
STANDARD TIME IN USE CST
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.	0700 HRS AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted (snow, etc.) (incl. hundredths)	Snow, ice pellets (sleet, etc.) (incl. tenths)	At 0600 Snow, ice pellets, hail, on ground (Yes)	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 HEADING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	56.3	31.8	34.0	0.00		0												
2	50.9	33.0	41.9	0.00														
3	46.9	22.6	23.7	0.00														
4	55.2	23.7	31.2	0.00														
5	67.1	31.2	66.3	0.00														
6	71.4	31.2	66.0	0.12														
7	66.3	54.8	54.8	0.32														
8	75.0	49.6	59.5	0.00														
9	74.3	59.5	67.6	0.00														
10	77.3	66.7	66.9	0.00														
11	77.7	59.3	59.3	0.72														
12	61.0	48.7	61.5	0.00														
13	73.7	43.7	45.3	0.00														
14	68.7	29.4	34.5	0.00														
15	70.5	33.2	42.6	0.00														
16	71.4	53.4	53.6	0.00														
17	63.4	43.5	46.4	0.00														
18	73.0	46.4	57.9	0.00														
19	76.2	55.2	71.7	0.00														
20	80.2	55.2	63.3	0.00														
21	73.7	54.1	61.7	0.00														
22	77.3	53.9	62.9	0.00														
23	74.1	62.9	69.2	0.00														
24	72.1	48.0	48.2	2.38														
25	63.8	33.8	55.5	0.00														
26	65.6	39.3	48.5	0.00														
27	68.9	38.8	39.2	0.00														
28	62.6	44.6	45.0	0.00														
29																		
30																		
31																		
AVG	1915	1248	SUM	3.54														

CONDITION OF RIVER AT GAGE
68.4 44.6
A. Observed by ice gage. E. Ice gorge below gage.
B. Frozen, but open at gage. F. Shore ice.
C. Mostly free of smooth ice. G. Floating ice.
D. Ice gorge above gage. H. Past stage.

CHECK BAR (For river stations) NORMAL CK. BAR

READING	DATE

Fog	Ice Pel.	Glaze	Thund	Hail	Dam. Winds

OBSERVER
BAY COUNTY WATER TREATMENT PLANT OPERATOR

SUPERVISING OFFICE

STATION INDEX NO.
08-6842 1

PANAMA CITY #5 NORTHEAST — STATE: FLORIDA — COUNTY: BAY — MONTH: MARCH — YR: 94

WS FORM B-91 (7)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

TIME (LST) OF OBSERVATION RIVER: 0700 — PRECIPITATION: 0700 — STANDARD TIME IN USE: CST

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.	0700 HRS AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inches and hundredths)	Snow, ice pellets (Inches and tenths)	At Obs. Snow, ice pellets, hail, ice on ground (Yes)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	69.4	60.9	62.0	0.01		○											
2	67.6	59.9	67.6	3.50													
3	63.3	41.5	41.7	0.01													
4	64.5	38.3	45.1	0.00													
5	73.7	44.0	46.9	0.00													
6	77.3	52.5	55.9	0.00													
7				○													
8	79.1	48.7	57.7	0.00													
9	78.2	52.5	58.8	0.00													
10	78.0	45.5	45.6	1.20													
11	56.1	32.1	40.8	0.00													
12	63.3	35.4	52.0	0.00													
13	68.3	44.2	50.0	0.00													
14	69.9	47.6	53.0	0.00													
15	72.3	48.9	60.0	0.00													
16	73.2	55.7	56.8	0.00													
17	71.4	35.2	43.7	0.00													
18	70.5	39.7	55.2	0.00													
19	73.7	55.2	63.6	0.00													
20	78.9	63.3	64.9	0.00													
21	78.2	63.5	68.0	0.00													
22	78.2	62.6	62.6	0.00													
23	83.6	49.1	55.2	0.00													
24	71.4	65.8	67.2	0.36													
25	78.8	64.3	64.5	1.42													
26	79.8	53.9	60.2	0.23													
27	79.5	60.2	72.6	0.00													
28	81.6	60.6	60.9	0.19													
29	61.7	75.1	48.2	1.41													
30	65.6	47.3	50.3	0.00													
31	71.9	43.8	50.5	0.00													
Tot.	2179	1547	SUM	8.33		X	CHECK BAR (For mid-month gage) NORMAL CK. BAR							X	X	X	
AVG	70.3	49.9															

CONDITION OF RIVER AT GAGE

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

HEADING	DATE

OBSERVER: BAY COUNTY WATER TREATMENT PLANT OPERATOR

SUPERVISING OFFICE:

STATION INDEX NO.: 08-6842 1

STATION (Commercial) PANAMA CI 15 NORTHEAST (Cooperative Station, if different)

MONTH APRIL 19 94

STATE FLORIDA

COUNTY BAY

RIVER

TIME (Hour) OF OBSERVATION RIVER

TEMP.

PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

WSF 10-91 (7-8)

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.	0700 HRS AT OBSN.	PRECIPITATION 24-HR AMOUNTS (Rain, melted snow, dew, and/or undetermined)	(Snow, ice pellets, sleet, and hail)	At Ob. (Snow, ice on ground at Ob. Time)	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 2 3 4 5 6 7 8 9 10 11 12	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 7 a.m.	RIVER STAGE CONDITION	GAGE READING Ft. ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	69.4	41.4	45.6	0.00													
2	69.0	36.8	57.7	0.00													
3	72.1	38.1	39.0	0.00													
4	72.2	53.0	55.2	0.00													
5	73.5	48.9	51.0	0.00													
6	73.7	51.0	68.3	0.00													
7	75.2	51.6	51.8	0.14													
8	72.5	39.5	53.0	0.00													
9	78.1	53.0		0.00													
10	76.8	62.2	65.8	0.00													
11	81.6	56.4	59.3	0.00													
12	82.5	59.9	66.9	0.00													
13	72.8	68.9	70.1	1.17													
14	73.2	57.7	61.5	0.52													
15	82.5	71.4	72.5	0.00													
16	81.6	63.6	66.2	0.83													
17	81.6	62.2	62.2														
18	81.3	48.7	50.9														
19	84.2	54.1	60.9	TR													
20	81.8	64.4	69.4	0.00													
21	87.8	65.4	68.5	0.28													
22	81.5	60.2	75.5	0.00													
23	77.7	65.1	67.1	0.05													
24	77.7	61.1	61.7	0.00													
25	80.4	60.6	63.5	0.00													
26	81.3	61.7	68.0	0.00													
27	84.5	61.5	66.9	0.00													
28	84.9	66.2	62.6	0.00													
29	84.0	63.3	75.2	0.00													
30	85.0	57.7	63.1	0.00													
31	----	----	----	----													
	2361	1705	SUM	2.99		X	CHECK BAR (For automatic gage) NORMAL CK. BAR										
							READING DATE										

AVG. 78.7 56.8

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 [redacted] of smooth ice. G. Floating ice.
D. Ice gor[redacted] gage. H. Pool stage.

OBSERVER BAY COUNTY WATER TREATMENT PLANT OPERATOR

SUPERVISING OFFICE

STATION INDEX NO. 08-6842 1

STATION (Climatology) PANAMA CITY NORTHEAST (River Station, if different)

STATE FLORIDA

COUNTY BAY

MONTH MAY

YEAR 94

TIME (Local) OF OBSERVATION (River) TEMP PRECIPITATION

STANDARD TIME IN USE CST

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO Ft.

FLOOD STAGE Ft.

NORMAL POOL STAGE Ft.

WSF 8-91 (7-85)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. Readings ending at observation: MAX	MIN	0700 HRS. AT OBSERV.	PRECIPITATION 24-HR AMOUNTS: Rain, melted snow, etc. (Use one decimal)	Snow, ice pellets and sleet, (Use one decimal)	At 0700 Hours, Depth on ground (nearest whole inch)	Draw a straight line (—) through hours precipitation was observed, and a wavy 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	85.1	63.1	69.4	0.00													
2	84.2	65.6	65.6	0.16													
3	83.3	64.1	68.5	0.27													
4	78.9	67.2	67.6	0.15													
5	82.5	55.7	60.9	0.00													
6	81.8	51.0	56.1	0.00													
7	80.2	52.5	63.6	0.00													
8	79.1	63.6	74.4	0.00													
9	85.6	66.3	67.8	0.04													
10	84.7	70.3	71.6	0.00													
11	86.1	63.6	68.5	0.00													
12	86.1	64.7	68.5	0.00													
13	86.1	66.5	69.5	0.05													
14	89.0	68.1	72.1	0.00													
15	87.8	68.9	72.1	0.00													
16	88.7	66.0	68.5	0.00													
17	86.9	70.8	74.4	0.00													
18	84.2	60.2	64.7	0.00													
19	87.9	63.6	65.8	0.00													
20	82.7	48.9	56.8	0.00													
21	78.9	46.4	63.1	0.00													
22	79.7	48.5	56.3	0.00													
23	82.9	53.4	58.8	0.00													
24	85.8	57.3	66.0	0.00													
25	85.1	62.6	67.4	0.00													
26	83.1	61.3	64.2	0.00													
27	83.3	64.4	80.0	0.00													
28	86.0	65.1	71.9														
29	86.1	64.2	68.3	0.00													
30	83.4	66.5	66.9	1.28													
31	84.0	63.3	70.1	2.95													
	1 2609	1914	sum	4.90		X	CHECK BAR (For automatic or NORMAL CK. BAR)										

CONDITION OF RIVER AT GAGE

AVG 84.2 61.7

A. Obstructed by ice, etc.
B. Frozen, but open at gage.
C. Mapped [illegible] of smooth ice.
D. Ice gage [illegible] gage.
E. Ice gage below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

READING	DATE

OBSERVER
BAY COUNTY WATER TREATMENT PLANT OPERATOR

SUPERVISING OFFICE

STATION (WBAN) NO.
08-6842 1

WSF 8-91 (7-89)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

6/94

STATION (Climatological) PANAMA CITY 2 NORTHEAST (River Station, if different)
MONTH JUNE
YEAR 1994
STATE FLORIDA
COUNTY BAY
TIME ZONE OF OBSERVATION (River) TEMP.
PRECIPITATION 0700
STANDARD TIME IN USE CST
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.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inc. and hundredths)	Snow, ice pellets (Inc. and tenths)	At 0700 Snow, ice pellets on ground (Inc.)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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 HEADING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	82.0	65.4	68.9	0.33													
2	84.3	70.4	72.1	TR													
3	87.4	67.6	71.0	0.30													
4	86.6	68.9	71.7	0.00													
5	85.2	71.0	72.5	0.02													
6	85.4	72.6	73.2	1.68													
7	76.2	71.4	76.1	1.13													
8	82.9	75.5	77.5	0.38													
9	86.9	77.3	80.2	0.00													
10	87.6	70.7	77.7	0.19													
11	88.5	68.5	72.1	0.14													
12	89.9	69.6	71.9	0.00													
13	90.5	65.8	74.1	0.00													
14	91.4	67.4	72.3	0.00													
15	92.8	71.0	76.6	0.00													
16	92.4	70.7	72.1	0.04													
17	89.9	71.6	73.4	0.42													
18	82.5	71.4	73.7	1.06													
19	84.5	69.2	70.5	0.02													
20	77.7	72.5	73.4	0.38													
21	82.0	71.0	72.7	3.10													
22	86.1	71.0	73.7	0.00													
23	86.1	72.1	76.2	0.20													
24	84.2	70.5	79.3	0.77													
25	86.0	71.9	76.7	0.82													
26	82.2	68.3	78.4	1.38													
27	85.6	79.5	80.0	0.00													
28	87.0	77.9	78.2	0.00													
29	88.7	76.6	78.2	0.00													
30	87.0	77.5	78.0	0.00													
31																	
/	2580	2145	Sum	12.36													

AVG 86.0 71.5

CONDITION OF RIVER AT GAGE
A. Obstructed by rough ice.
B. Frozen over at gage.
C. Open except for smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

CHECK BAR (For river stations) NORMAL CK. BAR

HEADING	DATE

OBSERVER
BAY COUNTY WATER TREATMENT PLANT OPERATOR

SUPERVISING OFFICE

STATION INDEX NO.
08-6842-1

STATION (Climatological) PANAMA CI.. 5 NORTHEAST (River Station, if different)

STATE FLORIDA

COUNTY BAY

MONTH JULY

YEAR 94

WSF (7-89) 3-91

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

TIME (local) OF OBSERVATION RIVER: TEMP. PRECIPITATION: STANDARD TIME IN USE: CST

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.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (0.xx) and hundredths	Snow, ice pellets (0.xx) and tenths	Snow, ice pellets melt, use as rainfall (0.xx)	24-HR OBS. Draw a straight line through hours precipitation was observed, and a curved 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 observed each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from 8 A.M.	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	93.0	68.9	69.6	0.00															
2	93.9	69.6	74.4	0.00															
3	85.2	73.4	75.3	0.96															
4	80.0	75.3	79.8	1.85															
5	86.8	79.1	79.8	0.15															
6	87.0	72.0	79.3	0.87															
7	86.7	72.1	73.0	1.08															
8	00.9	71.7	75.5	0.11															
9	67.6	71.6	82.2	0.03															
10	87.2	69.6	72.1	0.13															
11	68.1	72.1	73.4	0.00															
12	88.1	73.0	73.5	0.00															
13	84.7	71.7	72.5	0.00															
14	86.1	68.9	71.6	0.02															
15	88.7	68.1	77.9	0.00															
16																			
17	89.7	70.1	73.9	0.00															
18	88.2	70.8	72.6	0.00															
19	91.0	74.4	75.5	0.00															
20	90.1	71.7	74.3	0.00															
21	91.0	71.9	72.6	0.00															
22	89.2	71.7	73.0	0.00															
23	86.7	71.4	80.0	0.37															
24	87.4	72.8	76.4	0.00															
25	87.9	71.2	72.5	0.00															
26	89.4	71.0	75.2	0.00															
27	87.0	75.2	80.4	0.03															
28	79.3	71.2	74.1	1.38															
29	82.0	66.5	68.5	0.03															
30	87.4	68.5	75.9	0.04															
31	83.1	68.1	71.4	TR															
AVG	2613	2144	SUM	7.05															

CHECK BAR (For mercury gage) NORMAL CK. BAR

HEADING | DATE

CONDITION OF RIVER AT GAGE 87.1 71.5

A. Observed by rough ice.
B. Frazil on surface of 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.

OBSERVER BAY COUNTY WATER TREATMENT PLANT OPERATOR

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-1

STATION (Climate) PANAMA CI. NJ — (River Station, if different) #5 NORTHEAST — MONTH AUG — 19 94

STATE FLORIDA — COUNTY BAY — RIVER

TIME (local) OF OBSERVATION RIVER — TEMP. 0700 — PRECIPITATION 0700 — STANDARD TIME IN USE CST

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

W (7 IMB-81

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.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (liquid) and thunderstorm	Snow, ice pellets (fluid) and sleet	At Obs. Ice on ground (depth)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	82.2	67.8	69.6	0.22														
2	87.2	67.4	70.5	0.00														
3	89.0	70.1	71.4	0.00														
4	91.0	70.7	74.1	0.00														
5	91.9	70.5	71.9	0.00														
6	89.6	71.4	77.0	0.00														
7	88.1	70.1	71.0	0.00														
8	88.1	70.3	71.9	0.30														
9	89.0	61.8	62.9	0.00														
10	90.5	62.9	71.4	0.00														
11	92.4	71.0	73.5	0.00														
12	90.3	70.3	72.6	0.91														
13	90.2	71.4	79.1	0.05														
14	84.5	73.2	73.2	0.22														
15	84.3	74.1	74.8	0.73														
16	78.0	72.8	73.7	0.71														
17	84.0	72.1	72.5	0.00														
18	86.9	72.3	74.3	0.00														
19	83.6	69.4	73.7	0.19														
20	86.4	69.9	75.7	0.00														
21	87.8	69.9	75.7	0.00														
22	86.9	72.3	72.6	0.13														
23	87.2	68.7	69.2	0.00														
24	89.7	67.8	73.9	0.00														
25	88.5	72.3	73.0	0.00														
26	89.0	70.5	71.9	0.00														
27	91.7	71.4	75.5	0.00														
28	77.0	68.3	70.3	0.55														
29	92.1	70.3	70.7	0.00														
30	88.1	71.7	70.8	0.00														
31	90.6	69.4	70.3	0.00														
✓	2716	2172	SUM	4.01														

AVG 87.6 70.1

CONDITION OF RIVER AT GAGE
A. Obstructed by rough ice.
B. Free of ice upon or near gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage.
F. Slush ice.
G. Floating ice.
H. Pool stage.

CHECK BAR (For non-navigable) NORMAL CK. BAR

READING	DATE

OBSERVER
BAY COUNTY WATER TREATMENT PLANT OPERATOR

SUPERVISING OFFICE

STATION INDEX NO.
08-6842 1

WS FORM B-91
(7-89) OFM

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE
DEPT OF COMMERCE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological) PANAMA CITY 5 NORTHEAST (River Station, if different)
MONTH SEPT 19 94
STATE FLORIDA
COUNTY BAY
RIVER
TIME (Local) OF OBSERVATION RIVER
TEMP.
PRECIPITATION
STANDARD TIME IN USE CST
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.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Incl. dew and frost)	Snow, ice pellets (Incl. sleet) and hail (Incl. ice crystals)	At 0600 Snow, ice pellets, hail on ground (Incl. ice crystals)	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	88.5	69.8	72.1	0.05														
2	89.2	70.1	70.5	0.00														
3	90.1	70.5	75.2	0.00														
4	89.4	70.3	70.5	0.00														
5	78.2	69.5	63.8	0.00														
6	90.1	70.5	71.7	0.00														
7	88.1	68.5	69.9	0.00														
8																		
9	89.6	69.8	73.4	1.22														
10	86.9	70.5	71.4	0.25														
11	68.1	68.3	72.1	0.50														
12	86.2	69.9	70.1	0.20														
13	89.2	68.9	70.1	TR														
14	89.6	67.6	68.5	0.00														
15	87.1	72.0	73.7	0.10														
16	83.4	74.3	74.4	1.07														
17	83.5	72.2	72.5	1.17														
18	80.0	72.5	72.6	0.97														
19	85.4	66.2	69.2	0.00														
20	86.3	69.2	69.2	0.00														
21	81.1	64.5	64.7	0.00														
22	82.4	66.7	66.7	0.00														
23	85.8	66.5	71.9	0.00														
24	83.1	65.8	66.7	2.02														
25	85.2	66.7		TR														
26	85.1	60.2	61.8	0.00														
27	77.9	55.5	57.3	0.00														
28	83.1	57.3	60.9	0.00														
29	90.1	63.3	64.0	0.00														
30	91.0	63.6	66.5	0.00														
31																		
	2494	1955	SUM	7.55														

CONDITION OF RIVER AT GAGE
86.0 67.4
A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge at gage.
E. Ice gorge below gage.
F. Shore ice.
G. Floating ice.
H. Pool stage.

CHECK BAR (For watermeter) NORMAL CK. BAR

READING	DATE

OBSERVER
Bay County Water Treatment Plant Operator

SUPERVISING OFFICE

STATION INDEX NO.
08-6842-1

AVG

STATION (Climatological number) PANAMA CI 5 NORTHEAST (River Station, if different)

STATE FLORIDA COUNTY BAY

MONTH NOV YR 94 RIVER

TIME (Hour) OF OBSERVATION RIVER TEMP 7AM PRECIPITATION 7AM STANDARD TIME IN USE CST

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

WS FORM B-91 (7-85)

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.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Inches and hundredths)	Snow, ice pellets and hail (Inches and tenths)	AT OBS. Snow, ice pellets and hail now on ground	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 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	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	79.7	61.1	65.3	0.12															
2	70.7	40.1	41.9	0.00															
3	75.3	41.0	45.6	0.00															
4	78.1	44.5	44.7	0.00															
5	79.8	44.8	65.8	0.00															
6	81.6	63.6	65.6	0.00															
7	70.3	57.0	57.2	0.00															
8	81.8	59.9	64.0	0.00															
9	82.2	60.6	65.4	0.00															
10	81.6	64.5	68.1	0.00															
11	81.5	59.0	62.6	0.02															
12	63.3	52.7	55.7	0.00															
13	73.9	55.7	58.8	0.00															
14	81.5	57.7	58.1	0.00															
15	80.7	61.3	64.4	0.00															
16	82.0	64.4	71.4	0.00															
17	81.6	51.0	57.7	0.00															
18	73.7	54.5	54.5	0.00															
19	76.4	54.5	51.9	0.00															
20	80.4	49.6	64.2	0.00															
21	78.9	56.1	57.5	0.00															
22	78.8	53.4	60.2	0.00															
23	78.6	46.7	41.6	0.00															
24	76.6	39.9	41.9	0.00															
25	55.5	34.8	43.1	0.00															
26	70.0	40.0	48.0	0.00															
27	73.4	47.6	63.8	0.00															
28	77.3	66.4	70.7	0.00															
29	76.0	62.6	72.5	0.04															
30	75.5	53.7	53.9	3.34															
31																			
	2297	1599	SUM	3.52			CHECK BAR (If no entry, see instructions) NORMAL CK. BAR												

HEADING	DATE

CONDITION OF RIVER AT GAGE 76.6 53.3

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. Flooding ice.
D. Ice gorge at gage. H. Pool stage.

OBSERVER BAY COUNTY WATER TREATMENT PLANT OPERATOR

SUPERVISING OFFICE

STATION INDEX NO. 08-6842-01

AVG

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

WS FORM W-91
(7-89)

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATION (Climatological) PANAMA CITY (River Station, if different) NORTHEAST
MONTH DEC YR 94
STATE FLORIDA
COUNTY BAY
RIVER
TIME (local) OF OBSERVATION RIVER TEMP. 0700 PRECIPITATION 0700 AM
STANDARD TIME IN USE CST
ZERO OF RIVER GAGE
ELEVATION OF RIVER GAGE ZERO Ft.
FLOOD STAGE Ft.
NORMAL POOL STAGE Ft.

DATE	TEMPERATURE F. 24 HRS. ENDED AT OBSERVATION MAX.	MIN.	0700 AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Hrs. and hundredths)	Snow, ice pellets and sleet (Hrs. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground	Draw a straight line (——) through hours precipitation was observed, and a wavy 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	WEATHER (Calendar Day) Mark "X" for all types occurring each day. Fog, Ice Fog, Haze, Clear, Thunder, Hail, Damaging Winds	Time of observation is different from above	RIVER STAGE CONDITION	GAGE READING A.M.	TEND. HGT.	REMARKS (Special observations, etc.)
1	62.6	39.0	42.0	0.00									
2	66.3	40.0	62.0	0.00									
3	71.7	48.0	65.0	0.00									
4	73.2	63.0	67.2	2.08									
5	70.5	60.0	64.2	0.34									
6	69.4	57.0	61.8	0.00									
7	64.3	58.0	54.3	0.00									
8	73.8	55.0	56.7	0.00									
9	74.4	54.0	62.0	0.00									
10	74.0	52.0	66.0	0.00									
11	75.9	37.0	39.7	0.54									
12	54.5	32.0	33.8	0.00									
13	61.0	31.5	42.8	0.00									
14	61.5	38.0	44.9	0.00									
15	62.7	41.0	45.1	0.00									
16	55.4	44.0	46.4	0.00									
17													
18	68.0	45.0	52.0	0.00									
19	62.7	36.3	44.0	0.00									
20	60.0	35.9	37.7	0.00									
21	55.4	37.7	50.3	0.00									
22	69.4	50.3	50.9	0.17									
23	57.0	46.0	47.0	0.00									
24	48.0	46.0	46.0	0.00									
25	65.4	38.1	38.3	0.00									
26	56.8	34.1	36.3	0.00									
27	65.1	34.0	35.4	0.00									
28	69.4	36.0	38.8	0.00									
29	71.0	39.5	51.4	0.00									
30	68.0	50.0	59.0	0.50									
31	64.0	50.0	54.5	0.00									
	1951	1328	SUM	3.63									
AVG				0.12									

CHECK BAR (For watercourses) NORMAL CK. BAR

READING	DATE

Fog, Ice Fog, Haze, Clear, Thunder, Hail, Dam. Winds

CONDITION OF RIVER AT GAGE 65.0 44.3

a. Obstructed by rough ice.
b. Frozen, but open at gage.
c. Upper surface of smooth ice.
d. Ice gage on [illegible].
e. Ice gage below gage.
f. Shore ice.
g. Floating ice.
h. Pool stage.

OBSERVER
BAY COUNTY WATER TREATMENT PLANT OPERATOR

SUPERVISING OFFICE

STATION INDEX NO.
08-6842-1