

Water-Data Report 2012

**02238000 HAYNES CREEK AT LISBON, FL**

St. Johns Basin  
Oklawaha Subbasin

LOCATION.--Lat 28°52'14", long 81°47'02" referenced to North American Datum of 1927, in NW ¼ sec.2, T.19 S., R.25 E., Lake County, FL, Hydrologic Unit 03080102, near left bank at upstream side of Burrell lock and dam, 900 ft upstream from bridge on State Highway 44, 0.2 mi south of Lisbon, and 7 mi northeast of Leesburg.

DRAINAGE AREA.--648 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--July 1942 to September 1978, October 1978 to September 1985 (gage heights only), October 1985 to current year. Prior to October 2005, published as "Haines Creek at Lisbon, FL".

REVISED RECORDS.--WDR FL-72-1: Drainage area. WDR-US-2010, Discharge; 2004-07.

GAGE.--Water-stage recorder, gate-opening recorder, and data-collection platform. Datum of gage is at NGVD of 1929 and 1.05 ft below NAVD of 1988. Prior to Aug. 22, 1956, nonrecording gage at site 1,000 ft downstream at datum 58.93 ft higher, and Aug. 22, 1956 to Mar. 5, 1957, at present datum. Mar. 6 to Oct. 8, 1957, nonrecording gage at present site at datum 0.30 ft higher. Oct. 9, 1957 to Sept. 30, 1996, water-stage recorder at present site at present datum. Oct. 1, 1996 to Mar. 16, 1998 at present site at datum 0.30 ft lower. Mar. 6 to Oct. 8, 1957, auxiliary nonrecording gage and Oct. 9, 1957 to Sept. 30, 1996, Mar. 16, 1998, auxiliary water-stage recorder at downstream side of lock and dam at present datum. Oct. 1, 1996 to Mar. 16, 1998, auxiliary water-stage recorder at downstream side of lock and dam at datum, 0.30 ft lower.

COOPERATION.--Gate-opening record provided by St. Johns River Water Management District.

REMARKS.--Records fair. Since Dec. 23, 1956, flow regulated at station by manipulation of gates in spillway. Discharge computed from relation between discharge, head, gate openings, and lockages and does not include leakage around structure or gates. See WDR FL-91 for history of low flows and minimum gage heights.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1926 reached a stage of about 65.3 ft, former site and present datum, according to information from local residents.

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**DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012  
DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	29	21	22	15	34	34	35	0.98	0.00	5.1	0.14	3.2
2	30	22	22	11	33	35	32	2.1	2.9	0.54	0.57	5.5
3	26	25	23	7.5	34	36	30	0.28	3.0	1.3	2.3	3.3
4	25	23	24	7.3	36	29	35	1.1	0.69	3.7	2.4	0.67
5	24	20	23	8.7	36	31	36	4.5	0.28	1.6	2.3	1.1
6	23	19	24	8.9	32	29	36	3.1	0.55	2.2	1.0	0.27
7	24	20	23	12	31	29	36	0.56	0.83	2.4	0.57	0.27
8	26	22	15	15	32	32	37	0.28	0.55	3.5	1.7	3.3
9	28	21	12	15	31	30	35	0.28	0.82	0.82	0.86	0.81
10	30	22	15	22	34	30	37	1.1	3.3	0.83	1.1	0.54
11	32	18	12	34	33	30	36	1.7	0.41	0.55	3.1	0.80
12	32	20	12	37	29	32	35	4.3	0.55	0.55	1.4	0.27
13	30	21	13	35	29	34	33	3.4	0.55	1.4	0.85	0.13
14	30	19	13	34	32	34	36	0.56	0.00	3.9	0.28	0.80
15	28	20	15	36	35	31	36	0.42	0.81	2.5	0.56	2.4
16	30	20	15	36	39	33	31	0.28	4.5	0.14	0.00	3.0
17	26	21	18	37	36	35	34	0.28	4.9	0.55	0.56	0.00
18	26	19	13	34	41	35	35	0.56	1.9	0.56	2.1	0.54
19	26	20	13	36	38	32	33	4.2	0.27	0.42	3.2	0.27
20	24	20	14	36	35	30	35	3.2	0.54	1.7	0.84	0.00
21	23	20	14	38	37	29	38	1.4	0.54	4.7	0.55	0.53
22	24	21	14	38	39	31	41	0.56	0.95	2.5	0.00	2.9
23	26	20	15	34	40	30	36	1.4	0.55	0.00	0.55	3.2
24	22	18	12	35	41	30	34	1.7	0.94	0.28	0.83	0.40
25	21	19	13	35	39	30	35	0.55	0.00	0.56	1.5	0.40
26	22	21	14	36	36	27	36	3.6	0.00	0.56	0.69	0.66
27	21	21	12	34	37	28	12	3.3	0.00	0.56	0.14	0.66
28	20	20	13	38	35	32	4.8	0.42	1.1	3.0	0.28	1.3
29	21	26	12	36	34	32	2.9	0.00	1.2	3.0	0.27	3.6
30	21	25	13	32	---	35	1.4	0.28	4.3	0.28	0.27	3.7
31	21	---	13	32	---	34	---	0.83	---	0.42	0.27	---
<b>Total</b>	791	624	486	865.4	1,018	979	934.1	47.22	36.93	50.12	31.18	44.52
<b>Mean</b>	25.5	20.8	15.7	27.9	35.1	31.6	31.1	1.52	1.23	1.62	1.01	1.48
<b>Max</b>	32	26	24	38	41	36	41	4.5	4.9	5.1	3.2	5.5
<b>Min</b>	20	18	12	7.3	29	27	1.4	0.00	0.00	0.00	0.00	0.00

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2012, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	155	128	115	167	207	301	272	142	181	222	215	226
<b>Max</b>	1,128	1,180	1,009	1,409	1,397	1,495	1,210	1,191	1,073	1,194	1,057	1,219
<b>(WY)</b>	(1961)	(1961)	(1961)	(1998)	(1998)	(1998)	(1987)	(1960)	(1960)	(2005)	(1960)	(2004)
<b>Min</b>	0.00	0.00	5.81	1.87	1.57	2.19	3.63	1.52	1.23	1.62	1.01	1.48
<b>(WY)</b>	(1957)	(1957)	(1957)	(1975)	(1975)	(1975)	(2011)	(2012)	(2012)	(2012)	(2012)	(2012)

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SUMMARY STATISTICS

	Calendar Year 2011	Water Year 2012	Water Years 1957 - 2012	
<b>Annual total</b>	6,586.73	5,907.47		
<b>Annual mean</b>	18.0	16.1	194	
<b>Highest annual mean</b>			892	1960
<b>Lowest annual mean</b>			16.1	2012
<b>Highest daily mean</b>	<sup>c</sup> 36	<sup>b</sup> 41	<sup>a</sup> 1,560	
<b>Lowest daily mean</b>	<sup>d</sup> 0.00	0.00 Many days	0.00	Some years
<b>Annual seven-day minimum</b>	1.1 Jan 21	0.43 Jun 21	0.00	Some years
<b>Maximum peak stage</b>		<sup>e</sup> 62.25	64.50	Apr 5, 1960
<b>10 percent exceeds</b>	32	36	738	
<b>50 percent exceeds</b>	21	15	48	
<b>90 percent exceeds</b>	1.9	0.41	19	

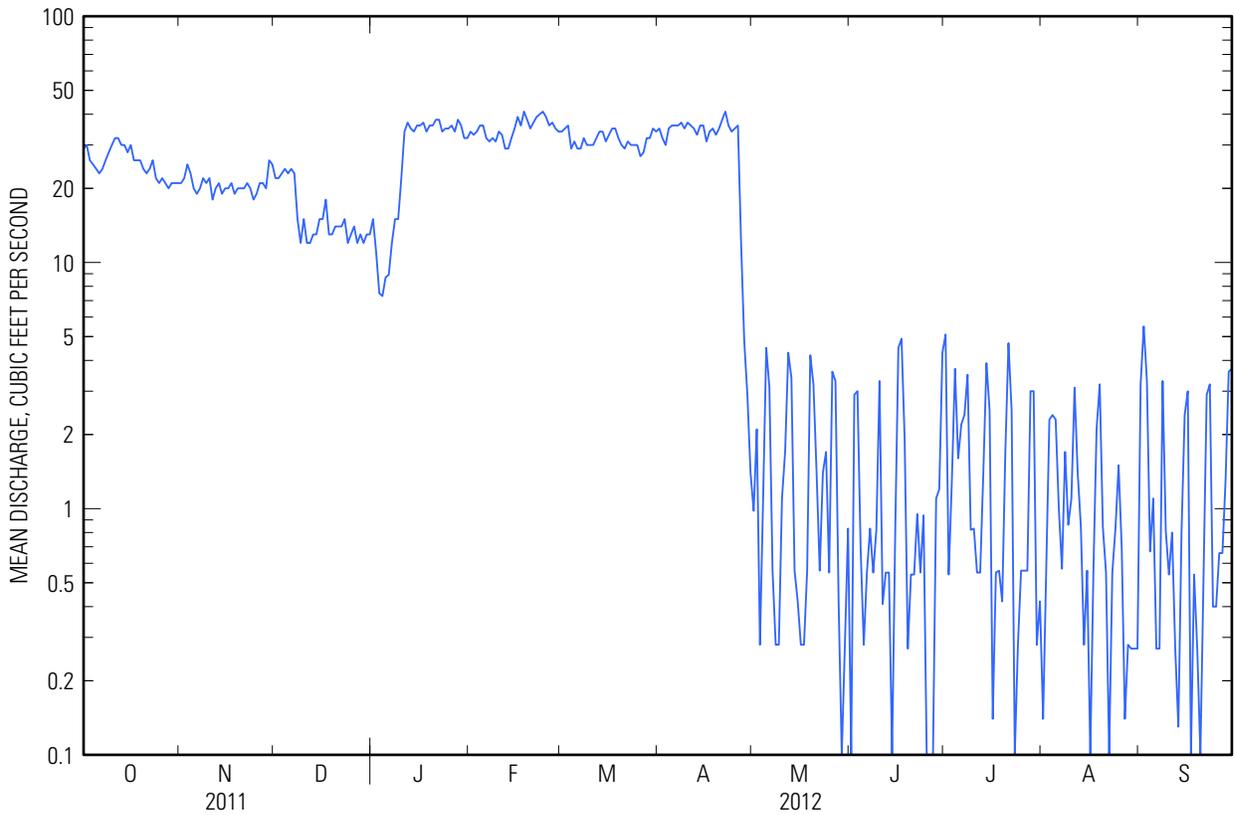
<sup>a</sup> Feb 26, Mar 9, 1998

<sup>b</sup> Feb 18, 24, Apr 22

<sup>c</sup> May 29, Jul 16, Aug 13, Sep 3

<sup>d</sup> Jan 17, Mar 31, Apr 5

<sup>e</sup> Oct 10, 11, 12, 13, 14, 18



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**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	62.09	62.08	61.88	61.78	61.65	61.65	61.41	61.07	60.95	61.62	61.59	61.90
2	62.07	62.10	61.87	61.77	61.65	61.65	61.40	61.07	60.94	61.61	61.58	61.90
3	62.04	62.10	61.86	61.71	61.65	61.67	61.39	61.05	60.91	61.59	61.56	61.89
4	62.02	62.11	61.88	61.71	61.64	61.63	61.37	61.02	60.90	61.62	61.53	61.88
5	61.99	62.03	61.89	61.71	61.64	61.60	61.36	61.01	60.90	61.61	61.55	61.87
6	61.98	62.01	61.88	61.71	61.64	61.58	61.33	60.99	60.92	61.60	61.55	61.86
7	61.99	62.04	61.89	61.71	61.62	61.56	61.26	61.00	61.00	61.59	61.54	61.86
8	62.05	62.05	61.83	61.71	61.61	61.57	61.26	61.03	61.02	61.57	61.53	61.87
9	62.14	62.05	61.84	61.71	61.60	61.57	61.26	61.03	61.05	61.58	61.53	61.89
10	62.22	62.04	61.83	61.71	61.61	61.55	61.25	61.01	61.09	61.63	61.52	61.86
11	62.24	62.00	61.80	61.72	61.60	61.59	61.23	60.99	61.12	61.62	61.51	61.83
12	62.24	62.00	61.85	61.72	61.54	61.62	61.19	60.96	61.11	61.60	61.51	61.82
13	62.24	62.01	61.84	61.69	61.55	61.62	61.19	60.94	61.11	61.60	61.49	61.80
14	62.22	62.01	61.86	61.66	61.57	61.61	61.19	60.93	61.12	61.57	61.48	61.82
15	62.20	62.01	61.87	61.66	61.56	61.61	61.18	60.92	61.10	61.55	61.48	61.83
16	62.18	62.02	61.87	61.65	61.56	61.61	61.16	60.91	61.07	61.57	61.47	61.83
17	62.19	62.02	61.86	61.66	61.56	61.60	61.15	60.90	61.06	61.61	61.47	61.86
18	62.22	61.99	61.83	61.67	61.57	61.59	61.13	60.88	61.06	61.62	61.49	61.95
19	62.21	62.00	61.84	61.66	61.59	61.58	61.11	60.84	61.03	61.62	61.50	61.98
20	62.15	62.00	61.84	61.67	61.55	61.57	61.12	60.82	61.00	61.61	61.53	61.96
21	62.12	62.00	61.85	61.67	61.53	61.56	61.16	60.82	61.01	61.61	61.57	61.95
22	62.10	62.00	61.85	61.66	61.56	61.55	61.20	60.81	61.04	61.60	61.64	61.95
23	62.09	62.01	61.84	61.66	61.65	61.53	61.17	60.81	61.07	61.59	61.65	61.94
24	62.08	61.96	61.82	61.66	61.64	61.52	61.13	60.78	61.16	61.61	61.64	61.91
25	62.07	61.97	61.83	61.66	61.58	61.51	61.13	60.75	---	61.62	61.62	61.89
26	62.07	61.97	61.81	61.67	61.56	61.48	61.12	60.73	61.63	61.62	61.60	61.90
27	62.07	61.97	61.84	61.70	61.62	61.47	61.11	60.70	61.64	61.61	61.73	61.89
28	62.07	61.97	61.81	61.69	61.64	61.45	61.11	60.82	61.63	61.60	61.81	61.88
29	62.06	61.95	61.80	61.67	61.65	61.44	61.09	60.89	61.64	61.59	61.88	61.88
30	62.04	61.92	61.79	61.64	---	61.43	61.08	60.90	61.63	61.58	61.89	61.88
31	62.08	---	61.79	61.65	---	61.44	---	60.89	---	61.59	61.90	---
<b>Mean</b>	62.11	62.01	61.84	61.69	61.60	61.56	61.21	60.91	---	61.60	61.59	61.88
<b>Max</b>	62.24	62.11	61.89	61.78	61.65	61.67	61.41	61.07	---	61.63	61.90	61.98
<b>Min</b>	61.98	61.92	61.79	61.64	61.53	61.43	61.08	60.70	---	61.55	61.47	61.80