

**The Daily Astorian.**  
ASTORIA, OREGON:  
FRIDAY, OCTOBER 4, 1890.  
TIDE TABLE FOR ASTORIA.

OCTOBER.											
HIGH WATER.				LOW WATER.							
Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height
11:51	10.1	5:00	0.1	11:01	0.1	5:11	0.1	10:11	0.1	5:21	0.1
12:17	10.2	5:10	0.2	10:21	0.2	5:31	0.2	10:21	0.2	5:31	0.2
1:24	10.4	5:20	0.3	10:31	0.3	5:41	0.3	10:31	0.3	5:41	0.3
2:31	10.6	5:30	0.4	10:41	0.4	5:51	0.4	10:41	0.4	5:51	0.4
3:38	10.8	5:40	0.5	10:51	0.5	6:01	0.5	10:51	0.5	6:01	0.5
4:45	11.0	5:50	0.6	11:01	0.6	6:11	0.6	11:01	0.6	6:11	0.6
5:52	11.2	6:00	0.7	11:11	0.7	6:21	0.7	11:11	0.7	6:21	0.7
7:00	11.4	6:10	0.8	11:21	0.8	6:31	0.8	11:21	0.8	6:31	0.8
8:07	11.6	6:20	0.9	11:31	0.9	6:41	0.9	11:31	0.9	6:41	0.9
9:15	11.8	6:30	1.0	11:41	1.0	6:51	1.0	11:41	1.0	6:51	1.0
10:22	12.0	6:40	1.1	11:51	1.1	7:01	1.1	11:51	1.1	7:01	1.1
11:30	12.2	6:50	1.2	12:01	1.2	7:11	1.2	12:01	1.2	7:11	1.2
12:37	12.4	7:00	1.3	12:11	1.3	7:21	1.3	12:11	1.3	7:21	1.3
1:45	12.6	7:10	1.4	12:21	1.4	7:31	1.4	12:21	1.4	7:31	1.4
2:52	12.8	7:20	1.5	12:31	1.5	7:41	1.5	12:31	1.5	7:41	1.5
4:00	13.0	7:30	1.6	12:41	1.6	7:51	1.6	12:41	1.6	7:51	1.6
5:07	13.2	7:40	1.7	12:51	1.7	8:01	1.7	12:51	1.7	8:01	1.7
6:15	13.4	7:50	1.8	1:01	1.8	8:11	1.8	1:01	1.8	8:11	1.8
7:22	13.6	8:00	1.9	1:11	1.9	8:21	1.9	1:11	1.9	8:21	1.9
8:30	13.8	8:10	2.0	1:21	2.0	8:31	2.0	1:21	2.0	8:31	2.0
9:37	14.0	8:20	2.1	1:31	2.1	8:41	2.1	1:31	2.1	8:41	2.1
10:45	14.2	8:30	2.2	1:41	2.2	8:51	2.2	1:41	2.2	8:51	2.2
11:52	14.4	8:40	2.3	1:51	2.3	9:01	2.3	1:51	2.3	9:01	2.3
13:00	14.6	8:50	2.4	2:01	2.4	9:11	2.4	2:01	2.4	9:11	2.4
14:07	14.8	9:00	2.5	2:11	2.5	9:21	2.5	2:11	2.5	9:21	2.5
15:15	15.0	9:10	2.6	2:21	2.6	9:31	2.6	2:21	2.6	9:31	2.6
16:22	15.2	9:20	2.7	2:31	2.7	9:41	2.7	2:31	2.7	9:41	2.7
17:30	15.4	9:30	2.8	2:41	2.8	9:51	2.8	2:41	2.8	9:51	2.8
18:37	15.6	9:40	2.9	2:51	2.9	10:01	2.9	2:51	2.9	10:01	2.9
19:45	15.8	9:50	3.0	3:01	3.0	10:11	3.0	3:01	3.0	10:11	3.0
20:52	16.0	10:00	3.1	3:11	3.1	10:21	3.1	3:11	3.1	10:21	3.1
22:00	16.2	10:10	3.2	3:21	3.2	10:31	3.2	3:21	3.2	10:31	3.2
23:07	16.4	10:20	3.3	3:31	3.3	10:41	3.3	3:31	3.3	10:41	3.3
24:15	16.6	10:30	3.4	3:41	3.4	10:51	3.4	3:41	3.4	10:51	3.4
25:22	16.8	10:40	3.5	3:51	3.5	11:01	3.5	3:51	3.5	11:01	3.5
26:30	17.0	10:50	3.6	4:01	3.6	11:11	3.6	4:01	3.6	11:11	3.6
27:37	17.2	11:00	3.7	4:11	3.7	11:21	3.7	4:11	3.7	11:21	3.7
28:45	17.4	11:10	3.8	4:21	3.8	11:31	3.8	4:21	3.8	11:31	3.8
29:52	17.6	11:20	3.9	4:31	3.9	11:41	3.9	4:31	3.9	11:41	3.9
31:00	17.8	11:30	4.0	4:41	4.0	11:51	4.0	4:41	4.0	11:51	4.0
32:07	18.0	11:40	4.1	4:51	4.1	12:01	4.1	4:51	4.1	12:01	4.1
33:15	18.2	11:50	4.2	5:01	4.2	12:11	4.2	5:01	4.2	12:11	4.2
34:22	18.4	12:00	4.3	5:11	4.3	12:21	4.3	5:11	4.3	12:21	4.3
35:30	18.6	12:10	4.4	5:21	4.4	12:31	4.4	5:21	4.4	12:31	4.4
36:37	18.8	12:20	4.5	5:31	4.5	12:41	4.5	5:31	4.5	12:41	4.5
37:45	19.0	12:30	4.6	5:41	4.6	12:51	4.6	5:41	4.6	12:51	4.6
38:52	19.2	12:40	4.7	5:51	4.7	1:01	4.7	5:51	4.7	1:01	4.7
40:00	19.4	12:50	4.8	6:01	4.8	1:11	4.8	6:01	4.8	1:11	4.8
41:07	19.6	1:00	4.9	6:11	4.9	1:21	4.9	6:11	4.9	1:21	4.9
42:15	19.8	1:10	5.0	6:21	5.0	1:31	5.0	6:21	5.0	1:31	5.0
43:22	20.0	1:20	5.1	6:31	5.1	1:41	5.1	6:31	5.1	1:41	5.1
44:30	20.2	1:30	5.2	6:41	5.2	1:51	5.2	6:41	5.2	1:51	5.2
45:37	20.4	1:40	5.3	6:51	5.3	2:01	5.3	6:51	5.3	2:01	5.3
46:45	20.6	1:50	5.4	7:01	5.4	2:11	5.4	7:01	5.4	2:11	5.4
47:52	20.8	2:00	5.5	7:11	5.5	2:21	5.5	7:11	5.5	2:21	5.5
49:00	21.0	2:10	5.6	7:21	5.6	2:31	5.6	7:21	5.6	2:31	5.6
50:07	21.2	2:20	5.7	7:31	5.7	2:41	5.7	7:31	5.7	2:41	5.7
51:15	21.4	2:30	5.8	7:41	5.8	2:51	5.8	7:41	5.8	2:51	5.8
52:22	21.6	2:40	5.9	7:51	5.9	3:01	5.9	7:51	5.9	3:01	5.9
53:30	21.8	2:50	6.0	8:01	6.0	3:11	6.0	8:01	6.0	3:11	6.0
54:37	22.0	3:00	6.1	8:11	6.1	3:21	6.1	8:11	6.1	3:21	6.1
55:45	22.2	3:10	6.2	8:21	6.2	3:31	6.2	8:21	6.2	3:31	6.2
56:52	22.4	3:20	6.3	8:31	6.3	3:41	6.3	8:31	6.3	3:41	6.3
58:00	22.6	3:30	6.4	8:41	6.4	3:51	6.4	8:41	6.4	3:51	6.4
59:07	22.8	3:40	6.5	8:51	6.5	4:01	6.5	8:51	6.5	4:01	6.5
60:15	23.0	3:50	6.6	9:01	6.6	4:11	6.6	9:01	6.6	4:11	6.6
61:22	23.2	4:00	6.7	9:11	6.7	4:21	6.7	9:11	6.7	4:21	6.7
62:30	23.4	4:10	6.8	9:21	6.8	4:31	6.8	9:21	6.8	4:31	6.8
63:37	23.6	4:20	6.9	9:31	6.9	4:41	6.9	9:31	6.9	4:41	6.9
64:45	23.8	4:30	7.0	9:41	7.0	4:51	7.0	9:41	7.0	4:51	7.0
65:52	24.0	4:40	7.1	9:51	7.1	5:01	7.1	9:51	7.1	5:01	7.1
67:00	24.2	4:50	7.2	10:01	7.2	5:11	7.2	10:01	7.2	5:11	7.2
68:07	24.4	5:00	7.3	10:11	7.3	5:21	7.3	10:11	7.3	5:21	7.3
69:15	24.6	5:10	7.4	10:21	7.4	5:31	7.4	10:21	7.4	5:31	7.4
70:22	24.8	5:20	7.5	10:31	7.5	5:41	7.5	10:31	7.5	5:41	7.5
71:30	25.0	5:30	7.6	10:41	7.6	5:51	7.6	10:41	7.6	5:51	7.6
72:37	25.2	5:40	7.7	10:51	7.7	6:01	7.7	10:51	7.7	6:01	7.7
73:45	25.4	5:50	7.8	11:01	7.8	6:11	7.8	11:01	7.8	6:11	7.8
74:52	25.6	6:00	7.9	11:11	7.9	6:21	7.9	11:11	7.9	6:21	7.9
76:00	25.8	6:10	8.0	11:21	8.0	6:31	8.0	11:21	8.0	6:31	8.0
77:07	26.0	6:20	8.1	11:31	8.1	6:41	8.1	11:31	8.1	6:41	8.1
78:15	26.2	6:30	8.2	11:41	8.2	6:51	8.2	11:41	8.2	6:51	8.2
79:22	26.4	6:40	8.3	11:51	8.3	7:01	8.3	11:51	8.3	7:01	8.3
80:30	26.6	6:50	8.4	12:01	8.4	7:11	8.4	12:01	8.4	7:11	8.4
81:37	26.8	7:00	8.5	12:11	8.5	7:21	8.5	12:11	8.5	7:21	8.5
82:45	27.0	7:10	8.6	12:21	8.6	7:31	8.6	12:21	8.6	7:31	8.6
83:52	27.2	7:20	8.7	12:31	8.7	7:41	8.7	12:31	8.7	7:41	8.7
85:00	27.4	7:30	8.8	12:41	8.8	7:51	8.8	12:41	8.8	7:51	8.8
86:07	27.6	7:40	8.9	12:51	8.9	8:01	8.9	12:51	8.9	8:01	8.9
87:15	27.8	7:50	9.0	1:01	9.0	8:11	9.0	1:01	9.0	8:11	9.0
88:22	28.0	8:00	9.1	1:11	9.1	8:21	9.1	1:11	9.1	8:21	9.1
89:30	28.2	8:10	9.2	1:21	9.2	8:31	9.2	1:21	9.2	8:31	9.2
90:37	28.4	8:20	9.3	1:31	9.3	8:41	9.3	1:31	9.3	8:41	9.3
91:45	28.6	8:30	9.4	1:41	9.4	8:51	9.4	1:41	9.4	8:51	9.4
92:52	28.8	8:40	9.5	1:51	9.5	9:01	9.5	1:51	9.5	9:01	9.5
94:00	29.0	8:50	9.6	2:01	9.6	9:11	9.6	2:01	9.6	9:11	9.6
95:07	29.2	9:00	9.7	2:11	9.7	9:21	9.7	2:11	9.7	9:21	9.7
96:15	29.4	9:10	9.8	2:21	9.8	9:3					