

**The Daily Astorian.**  
ASTORIA, OREGON:  
SUNDAY, FEBRUARY 13, 1887

**TIDE TABLE FOR ASTORIA.**

FEBRUARY.		LOW WATER.		HIGH WATER.	
Time	Height	Time	Height	Time	Height
5:30	1.0	11:45	1.0	12:15	1.0
6:00	1.1	12:15	1.1	1:00	1.1
6:30	1.2	12:45	1.2	1:30	1.2
7:00	1.3	1:15	1.3	2:00	1.3
7:30	1.4	1:45	1.4	2:30	1.4
8:00	1.5	2:15	1.5	3:00	1.5
8:30	1.6	2:45	1.6	3:30	1.6
9:00	1.7	3:15	1.7	4:00	1.7
9:30	1.8	3:45	1.8	4:30	1.8
10:00	1.9	4:15	1.9	5:00	1.9
10:30	2.0	4:45	2.0	5:30	2.0
11:00	2.1	5:15	2.1	6:00	2.1
11:30	2.2	5:45	2.2	6:30	2.2
12:00	2.3	6:15	2.3	7:00	2.3
12:30	2.4	6:45	2.4	7:30	2.4
1:00	2.5	7:15	2.5	8:00	2.5
1:30	2.6	7:45	2.6	8:30	2.6
2:00	2.7	8:15	2.7	9:00	2.7
2:30	2.8	8:45	2.8	9:30	2.8
3:00	2.9	9:15	2.9	10:00	2.9
3:30	3.0	9:45	3.0	10:30	3.0
4:00	3.1	10:15	3.1	11:00	3.1
4:30	3.2	10:45	3.2	11:30	3.2
5:00	3.3	11:15	3.3	12:00	3.3
5:30	3.4	11:45	3.4	12:30	3.4
6:00	3.5	12:15	3.5	1:00	3.5
6:30	3.6	12:45	3.6	1:30	3.6
7:00	3.7	1:15	3.7	2:00	3.7
7:30	3.8	1:45	3.8	2:30	3.8
8:00	3.9	2:15	3.9	3:00	3.9
8:30	4.0	2:45	4.0	3:30	4.0
9:00	4.1	3:15	4.1	4:00	4.1
9:30	4.2	3:45	4.2	4:30	4.2
10:00	4.3	4:15	4.3	5:00	4.3
10:30	4.4	4:45	4.4	5:30	4.4
11:00	4.5	5:15	4.5	6:00	4.5
11:30	4.6	5:45	4.6	6:30	4.6
12:00	4.7	6:15	4.7	7:00	4.7
12:30	4.8	6:45	4.8	7:30	4.8
1:00	4.9	7:15	4.9	8:00	4.9
1:30	5.0	7:45	5.0	8:30	5.0
2:00	5.1	8:15	5.1	9:00	5.1
2:30	5.2	8:45	5.2	9:30	5.2
3:00	5.3	9:15	5.3	10:00	5.3
3:30	5.4	9:45	5.4	10:30	5.4
4:00	5.5	10:15	5.5	11:00	5.5
4:30	5.6	10:45	5.6	11:30	5.6
5:00	5.7	11:15	5.7	12:00	5.7
5:30	5.8	11:45	5.8	12:30	5.8
6:00	5.9	12:15	5.9	1:00	5.9
6:30	6.0	12:45	6.0	1:30	6.0
7:00	6.1	1:15	6.1	2:00	6.1
7:30	6.2	1:45	6.2	2:30	6.2
8:00	6.3	2:15	6.3	3:00	6.3
8:30	6.4	2:45	6.4	3:30	6.4
9:00	6.5	3:15	6.5	4:00	6.5
9:30	6.6	3:45	6.6	4:30	6.6
10:00	6.7	4:15	6.7	5:00	6.7
10:30	6.8	4:45	6.8	5:30	6.8
11:00	6.9	5:15	6.9	6:00	6.9
11:30	7.0	5:45	7.0	6:30	7.0
12:00	7.1	6:15	7.1	7:00	7.1
12:30	7.2	6:45	7.2	7:30	7.2
1:00	7.3	7:15	7.3	8:00	7.3
1:30	7.4	7:45	7.4	8:30	7.4
2:00	7.5	8:15	7.5	9:00	7.5
2:30	7.6	8:45	7.6	9:30	7.6
3:00	7.7	9:15	7.7	10:00	7.7
3:30	7.8	9:45	7.8	10:30	7.8
4:00	7.9	10:15	7.9	11:00	7.9
4:30	8.0	10:45	8.0	11:30	8.0
5:00	8.1	11:15	8.1	12:00	8.1
5:30	8.2	11:45	8.2	12:30	8.2
6:00	8.3	12:15	8.3	1:00	8.3
6:30	8.4	12:45	8.4	1:30	8.4
7:00	8.5	1:15	8.5	2:00	8.5
7:30	8.6	1:45	8.6	2:30	8.6
8:00	8.7	2:15	8.7	3:00	8.7
8:30	8.8	2:45	8.8	3:30	8.8
9:00	8.9	3:15	8.9	4:00	8.9
9:30	9.0	3:45	9.0	4:30	9.0
10:00	9.1	4:15	9.1	5:00	9.1
10:30	9.2	4:45	9.2	5:30	9.2
11:00	9.3	5:15	9.3	6:00	9.3
11:30	9.4	5:45	9.4	6:30	9.4
12:00	9.5	6:15	9.5	7:00	9.5
12:30	9.6	6:45	9.6	7:30	9.6
1:00	9.7	7:15	9.7	8:00	9.7
1:30	9.8	7:45	9.8	8:30	9.8
2:00	9.9	8:15	9.9	9:00	9.9
2:30	10.0	8:45	10.0	9:30	10.0
3:00	10.1	9:15	10.1	10:00	10.1
3:30	10.2	9:45	10.2	10:30	10.2
4:00	10.3	10:15	10.3	11:00	10.3
4:30	10.4	10:45	10.4	11:30	10.4
5:00	10.5	11:15	10.5	12:00	10.5
5:30	10.6	11:45	10.6	12:30	10.6
6:00	10.7	12:15	10.7	1:00	10.7
6:30	10.8	12:45	10.8	1:30	10.8
7:00	10.9	1:15	10.9	2:00	10.9
7:30	11.0	1:45	11.0	2:30	11.0
8:00	11.1	2:15	11.1	3:00	11.1
8:30	11.2	2:45	11.2	3:30	11.2
9:00	11.3	3:15	11.3	4:00	11.3
9:30	11.4	3:45	11.4	4:30	11.4
10:00	11.5	4:15	11.5	5:00	11.5
10:30	11.6	4:45	11.6	5:30	11.6
11:00	11.7	5:15	11.7	6:00	11.7
11:30	11.8	5:45	11.8	6:30	11.8
12:00	11.9	6:15	11.9	7:00	11.9
12:30	12.0	6:45	12.0	7:30	12.0
1:00	12.1	7:15	12.1	8:00	12.1
1:30	12.2	7:45	12.2	8:30	12.2
2:00	12.3	8:15	12.3	9:00	12.3
2:30	12.4	8:45	12.4	9:30	12.4
3:00	12.5	9:15	12.5	10:00	12.5
3:30	12.6	9:45	12.6	10:30	12.6
4:00	12.7	10:15	12.7	11:00	12.7
4:30	12.8	10:45	12.8	11:30	12.8
5:00	12.9	11:15	12.9	12:00	12.9
5:30	13.0	11:45	13.0	12:30	13.0
6:00	13.1	12:15	13.1	1:00	13.1
6:30	13.2	12:45	13.2	1:30	13.2
7:00	13.3	1:15	13.3	2:00	13.3
7:30	13.4	1:45	13.4	2:30	13.4
8:00	13.5	2:15	13.5	3:00	13.5
8:30	13.6	2:45	13.6	3:30	13.6
9:00	13.7	3:15	13.7	4:00	13.7
9:30	13.8	3:45	13.8	4:30	13.8
10:00	13.9	4:15	13.9	5:00	13.9
10:30	14.0	4:45	14.0	5:30	14.0
11:00	14.1	5:15	14.1	6:00	14.1
11:30	14.2	5:45	14.2	6:30	14.2
12:00	14.3	6:15	14.3	7:00	14.3
12:30	14.4	6:45	14.4	7:30	14.4
1:00	14.5	7:15	14.5	8:00	14.5
1:30	14.6	7:45	14.6	8:30	14.6
2:00	14.7	8:15	14.7	9:00	14.7
2:30	14.8	8:45	14.8	9:30	14.8
3:00	14.9	9:15	14.9	10:00	14.9
3:30	15.0	9:45	15.0	10:30	15.0
4:00	15.1	10:15	15.1	11:00	15.1
4:30	15.2	10:45	15.2	11:30	15.2
5:00	15.3	11:15	15.3	12:00	15.3
5:30	15.4	11:45	15.4	12:30	15.4
6:00	15.5	12:15	15.5	1:00	15.5
6:30	15.6	12:45	15.6	1:30	15.6
7:00	15.7	1:15	15.7	2:00	15.7
7:30	15.8	1:45	15.8	2:30	15.8
8:00	15.9	2:15	15.9	3:00	15.9
8:30	16.0	2:45	16.0	3:30	16.0
9:00	16.1	3:15	16.1	4:00	16.1
9:30	16.2	3:45	16.2	4:30	16.2
10:00	16.3	4:15	16.3	5:00	16.3
10:30	16.4	4:45	16.4	5:30	16.4
11:00	16.5	5:15	16.5	6:00	16.5
11:30	16.6	5:45	16.6	6:30	16.6
12:00	16.7	6:15	16.7	7:00	16.7
12:30	16.8	6:45	16.8	7:30	16.8
1:00	16.9	7:15	16.9	8:00	16.9
1:30	17.0	7:45	17.0	8:30	17.0
2:00	17.1	8:15	17.1	9:00	17.1
2:30	17.2	8:45	17.2	9:30	17.2
3:00	17.3	9:15	17.3	10:00	17.3
3:30	17.4	9:45	17.4	10:30	17.4
4:00	17.5	10:15	17.5	11:00	17.5
4:30	17.6	10:45	17.6	11:30	17.6
5:00	17.7	11:15	17.7	12:00	17.7
5:30	17.8	11:45	17.8	12:30	17.8
6:00	17.9	12:15	17.9	1:00	17.9
6:30	18.0	12:45	18.0	1:30	18.0
7:00	18.1	1:15	18.1	2:00	18.1
7:30	18.2	1:45	18.2	2:30	18.2
8:00	18.3	2:15	18.3	3:00	18.3
8:30	18.4	2:45	18.4	3:30	18.4
9:00	18.5	3:15	18.5	4:00	18.5
9:30	18.6	3:45	18.6	4:30	18.6
10:00	18.7	4:15	18.7	5:00	18.7
10:30	18.8	4:45	18.8	5:30	18.8
11:00	18.9	5:15	18.9	6:00	18.9
11:30	19.0	5:45	19.0	6:30	19.0
12:00	19.1	6:15	19.1	7:00	19.1
12:30	19.2	6:45	19.2	7:30	19.2
1:00	19.3	7:1			