

The Daily Astorian.
ASTORIA, OREGON.
FRIDAY, NOVEMBER 22, 1890.

TIDE TABLE FOR ASTORIA.

NOVEMBER			
HIGH WATER.		LOW WATER.	
Time	Height	Time	Height
7:15	17.5	1:15	1.5
7:30	17.0	1:30	2.0
7:45	16.5	1:45	2.5
8:00	16.0	2:00	3.0
8:15	15.5	2:15	3.5
8:30	15.0	2:30	4.0
8:45	14.5	2:45	4.5
9:00	14.0	3:00	5.0
9:15	13.5	3:15	5.5
9:30	13.0	3:30	6.0
9:45	12.5	3:45	6.5
10:00	12.0	4:00	7.0
10:15	11.5	4:15	7.5
10:30	11.0	4:30	8.0
10:45	10.5	4:45	8.5
11:00	10.0	5:00	9.0
11:15	9.5	5:15	9.5
11:30	9.0	5:30	10.0
11:45	8.5	5:45	10.5
12:00	8.0	6:00	11.0
12:15	7.5	6:15	11.5
12:30	7.0	6:30	12.0
12:45	6.5	6:45	12.5
1:00	6.0	7:00	13.0
1:15	5.5	7:15	13.5
1:30	5.0	7:30	14.0
1:45	4.5	7:45	14.5
2:00	4.0	8:00	15.0
2:15	3.5	8:15	15.5
2:30	3.0	8:30	16.0
2:45	2.5	8:45	16.5
3:00	2.0	9:00	17.0
3:15	1.5	9:15	17.5
3:30	1.0	9:30	18.0
3:45	0.5	9:45	18.5
4:00	0.0	10:00	19.0
4:15	0.5	10:15	19.5
4:30	1.0	10:30	20.0
4:45	1.5	10:45	20.5
5:00	2.0	11:00	21.0
5:15	2.5	11:15	21.5
5:30	3.0	11:30	22.0
5:45	3.5	11:45	22.5
6:00	4.0	12:00	23.0
6:15	4.5	12:15	23.5
6:30	5.0	12:30	24.0
6:45	5.5	12:45	24.5
7:00	6.0	1:00	25.0
7:15	6.5	1:15	25.5
7:30	7.0	1:30	26.0
7:45	7.5	1:45	26.5
8:00	8.0	2:00	27.0
8:15	8.5	2:15	27.5
8:30	9.0	2:30	28.0
8:45	9.5	2:45	28.5
9:00	10.0	3:00	29.0
9:15	10.5	3:15	29.5
9:30	11.0	3:30	30.0
9:45	11.5	3:45	30.5
10:00	12.0	4:00	31.0
10:15	12.5	4:15	31.5
10:30	13.0	4:30	32.0
10:45	13.5	4:45	32.5
11:00	14.0	5:00	33.0
11:15	14.5	5:15	33.5
11:30	15.0	5:30	34.0
11:45	15.5	5:45	34.5
12:00	16.0	6:00	35.0
12:15	16.5	6:15	35.5
12:30	17.0	6:30	36.0
12:45	17.5	6:45	36.5
1:00	18.0	7:00	37.0
1:15	18.5	7:15	37.5
1:30	19.0	7:30	38.0
1:45	19.5	7:45	38.5
2:00	20.0	8:00	39.0
2:15	20.5	8:15	39.5
2:30	21.0	8:30	40.0
2:45	21.5	8:45	40.5
3:00	22.0	9:00	41.0
3:15	22.5	9:15	41.5
3:30	23.0	9:30	42.0
3:45	23.5	9:45	42.5
4:00	24.0	10:00	43.0
4:15	24.5	10:15	43.5
4:30	25.0	10:30	44.0
4:45	25.5	10:45	44.5
5:00	26.0	11:00	45.0
5:15	26.5	11:15	45.5
5:30	27.0	11:30	46.0
5:45	27.5	11:45	46.5
6:00	28.0	12:00	47.0
6:15	28.5	12:15	47.5
6:30	29.0	12:30	48.0
6:45	29.5	12:45	48.5
7:00	30.0	1:00	49.0
7:15	30.5	1:15	49.5
7:30	31.0	1:30	50.0
7:45	31.5	1:45	50.5
8:00	32.0	2:00	51.0
8:15	32.5	2:15	51.5
8:30	33.0	2:30	52.0
8:45	33.5	2:45	52.5
9:00	34.0	3:00	53.0
9:15	34.5	3:15	53.5
9:30	35.0	3:30	54.0
9:45	35.5	3:45	54.5
10:00	36.0	4:00	55.0
10:15	36.5	4:15	55.5
10:30	37.0	4:30	56.0
10:45	37.5	4:45	56.5
11:00	38.0	5:00	57.0
11:15	38.5	5:15	57.5
11:30	39.0	5:30	58.0
11:45	39.5	5:45	58.5
12:00	40.0	6:00	59.0
12:15	40.5	6:15	59.5
12:30	41.0	6:30	60.0
12:45	41.5	6:45	60.5
1:00	42.0	7:00	61.0
1:15	42.5	7:15	61.5
1:30	43.0	7:30	62.0
1:45	43.5	7:45	62.5
2:00	44.0	8:00	63.0
2:15	44.5	8:15	63.5
2:30	45.0	8:30	64.0
2:45	45.5	8:45	64.5
3:00	46.0	9:00	65.0
3:15	46.5	9:15	65.5
3:30	47.0	9:30	66.0
3:45	47.5	9:45	66.5
4:00	48.0	10:00	67.0
4:15	48.5	10:15	67.5
4:30	49.0	10:30	68.0
4:45	49.5	10:45	68.5
5:00	50.0	11:00	69.0
5:15	50.5	11:15	69.5
5:30	51.0	11:30	70.0
5:45	51.5	11:45	70.5
6:00	52.0	12:00	71.0
6:15	52.5	12:15	71.5
6:30	53.0	12:30	72.0
6:45	53.5	12:45	72.5
7:00	54.0	1:00	73.0
7:15	54.5	1:15	73.5
7:30	55.0	1:30	74.0
7:45	55.5	1:45	74.5
8:00	56.0	2:00	75.0
8:15	56.5	2:15	75.5
8:30	57.0	2:30	76.0
8:45	57.5	2:45	76.5
9:00	58.0	3:00	77.0
9:15	58.5	3:15	77.5
9:30	59.0	3:30	78.0
9:45	59.5	3:45	78.5
10:00	60.0	4:00	79.0
10:15	60.5	4:15	79.5
10:30	61.0	4:30	80.0
10:45	61.5	4:45	80.5
11:00	62.0	5:00	81.0
11:15	62.5	5:15	81.5
11:30	63.0	5:30	82.0
11:45	63.5	5:45	82.5
12:00	64.0	6:00	83.0
12:15	64.5	6:15	83.5
12:30	65.0	6:30	84.0
12:45	65.5	6:45	84.5
1:00	66.0	7:00	85.0
1:15	66.5	7:15	85.5
1:30	67.0	7:30	86.0
1:45	67.5	7:45	86.5
2:00	68.0	8:00	87.0
2:15	68.5	8:15	87.5
2:30	69.0	8:30	88.0
2:45	69.5	8:45	88.5
3:00	70.0	9:00	89.0
3:15	70.5	9:15	89.5
3:30	71.0	9:30	90.0
3:45	71.5	9:45	90.5
4:00	72.0	10:00	91.0
4:15	72.5	10:15	91.5
4:30	73.0	10:30	92.0
4:45	73.5	10:45	92.5
5:00	74.0	11:00	93.0
5:15	74.5	11:15	93.5
5:30	75.0	11:30	94.0
5:45	75.5	11:45	94.5
6:00	76.0	12:00	95.0
6:15	76.5	12:15	95.5
6:30	77.0	12:30	96.0
6:45	77.5	12:45	96.5
7:00	78.0	1:00	97.0
7:15	78.5	1:15	97.5
7:30	79.0	1:30	98.0
7:45	79.5	1:45	98.5
8:00	80.0	2:00	99.0
8:15	80.5	2:15	99.5
8:30	81.0	2:30	100.0
8:45	81.5	2:45	100.5
9:00	82.0	3:00	101.0
9:15	82.5	3:15	101.5
9:30	83.0	3:30	102.0
9:45	83.5	3:45	102.5
10:00	84.0	4:00	103.0
10:15	84.5	4:15	103.5
10:30	85.0	4:30	104.0
10:45	85.5	4:45	104.5
11:00	86.0	5:00	105.0
11:15	86.5	5:15	105.5
11:30	87.0	5:30	106.0
11:45	87.5	5:45	106.5
12:00	88.0	6:00	107.0
12:15	88.5	6:15	107.5
12:30	89.0	6:30	108.0
12:45	89.5	6:45	108.5
1:00	90.0	7:00	109.0
1:15	90.5	7:15	109.5
1:30	91.0	7:30	110.0
1:45	91.5	7:45	110.5
2:00	92.0	8:00	111.0
2:15	92.5	8:15	111.5
2:30	93.0	8:30	112.0
2:45	93.5	8:45	112.5
3:00	94.0	9:00	113.0
3:15	94.5	9:15	113.5
3:30	95.0	9:30	114.0
3:45	95.5	9:45	114.5
4:00	96.0	10:00	115.0
4:15	96.5	10:15	115.5
4:30	97.0	10:30	116.0
4:45	97.5	10:45	116.5
5:00	98.0	11:00	117.0
5:15	98.5	11:15	117.5
5:30	99.0	11:30	118.0
5:45	99.5	11:45	118.5
6:00	100.0	12:00	119.0
6:15	100.5	12:15	119.5
6:30	101.0	12:30	120.0
6:45	101.5	12:45	120.5
7:00	102.0	1:00	121.0
7:15	102.5	1:15	121.5
7:30	103.0	1:30	122.0
7:45	103.5	1:45	122.5
8:00	104.0	2:00	123.0
8:15	104.5	2:15	123.5
8:30	105.0	2:30	124.0
8:45	105.5	2:45	124.5
9:00	106.0	3:00	125.0
9:15	106.5	3:15	125.5
9:30	107.0	3:30	126.0
9:45	107.5	3:45	126.5
10:00	108.0	4:00	127.0
10:15	108.5	4:15	127.5
10:30	109.0	4:30	128.0
10:45	109.5	4:45	128.5
11:00	110.0	5:00	