

## Conditions of Use

### 1) Disclaimer, Attribution and Copyright acknowledgement

- a) Any publication of Bureau tide predictions must acknowledge copyright in the Material in the Commonwealth of Australia represented by the Bureau of Meteorology and must include the following disclaimer:

“The Bureau of Meteorology gives no warranty of any kind whether express, implied, statutory or otherwise in respect to the availability, accuracy, currency, completeness, quality or reliability of the information or that the information will be fit for any particular purpose or will not infringe any third party Intellectual Property rights.

The Bureau's liability for any loss, damage, cost or expense resulting from use of, or reliance on, the information is entirely excluded.”

- b) Where a user creates new products from the Bureau tide predictions the Bureau should be acknowledged and a disclaimer displayed as follows:

“This product is based on Bureau of Meteorology information that has subsequently been modified. The Bureau does not necessarily support or endorse, or have any connection with, the product.

In respect of that part of the information which is sourced from the Bureau, and to the maximum extent permitted by law:

(i) The Bureau makes no representation and gives no warranty of any kind whether express, implied, statutory or otherwise in respect to the availability, accuracy, currency, completeness, quality or reliability of the information or that the information will be fit for any particular purpose or will not infringe any third party Intellectual Property rights; and

(ii) the Bureau's liability for any loss, damage, cost or expense resulting from use of, or reliance on, the information is entirely excluded.”

- 2) The disclaimers required will be displayed with the product or where this is not possible a clear and obvious link to these as part of the copyright or attribution notice will be required to ensure these terms are clearly and adequately brought to the attention of the user.

# PORTLAND

LAT 38°21'S LONG 141°37'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

JANUARY 2014

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

## JANUARY 2014

WED 1	●	112	114	111	103	90	77	64	55	49	47	47	46	42	36	31	25	23	24	31	44	61	80	98	
THU 2		110	116	115	108	97	83	69	58	52	49	49	51	51	48	42	34	26	21	19	23	33	49	68	88
FRI 3		104	114	115	110	100	87	73	61	54	51	52	55	57	56	51	42	32	23	19	19	25	39	57	77
SAT 4		95	107	112	108	99	86	73	62	54	51	53	57	62	64	61	53	42	31	23	20	23	33	48	66
SUN 5		84	99	105	104	96	84	71	59	51	48	50	56	63	68	69	64	54	42	32	26	26	31	43	59
MON 6		75	90	99	100	93	81	67	55	46	42	44	50	59	67	72	71	65	55	44	36	33	35	43	55
TUE 7		70	83	92	95	90	80	66	52	41	36	36	42	51	61	69	73	72	65	57	48	43	43	47	55

## JANUARY 2014

WED 8	●	67	78	87	91	88	79	66	52	39	32	30	33	41	52	61	69	72	71	66	60	54	52	54	59
THU 9		67	76	83	86	85	79	68	54	41	32	27	28	33	42	51	60	67	70	70	68	65	63	63	66
FRI 10		71	76	80	82	81	77	68	57	46	36	29	27	29	35	42	50	57	63	68	70	71	72	73	74
SAT 11		77	79	80	80	78	73	67	59	50	42	35	31	30	32	36	41	47	54	61	67	73	77	81	83
SUN 12		84	84	83	79	75	70	64	59	53	47	41	37	34	34	34	36	39	44	52	60	70	78	86	90
MON 13		92	91	87	81	74	67	61	56	53	50	47	45	41	38	36	34	34	36	43	52	63	76	87	95
TUE 14		99	98	93	85	76	66	59	54	51	51	51	51	49	45	40	35	32	31	34	43	55	69	84	96

## JANUARY 2014

WED 15	○	103	105	100	91	79	68	58	52	49	50	53	55	56	53	47	40	33	29	28	34	46	61	78	94
THU 16		105	109	106	97	84	70	58	50	47	48	52	58	61	60	54	46	36	29	26	28	38	52	70	88
FRI 17		103	110	109	102	89	74	60	50	45	46	51	58	64	66	61	53	43	32	26	25	31	44	62	81
SAT 18		98	108	111	105	93	77	62	50	43	44	49	57	65	69	68	61	50	38	29	25	27	38	54	73
SUN 19		91	104	109	105	95	80	64	51	42	41	45	54	64	71	73	68	58	46	35	28	28	34	48	65
MON 20		83	98	105	104	96	82	66	51	42	38	42	50	61	70	75	73	65	54	43	34	31	34	44	59
TUE 21		76	91	100	102	95	82	67	52	41	36	38	45	56	67	74	76	71	62	52	42	37	37	44	56

## JANUARY 2014

WED 22		70	84	94	97	93	82	68	53	41	34	34	40	50	61	71	76	75	69	60	51	45	43	46	55
THU 23		66	78	88	92	89	80	68	54	41	34	32	35	44	55	65	73	76	73	67	60	54	51	52	57
FRI 24	●	66	74	82	86	84	77	66	54	42	34	30	32	39	48	58	67	72	74	72	68	64	61	61	64
SAT 25		69	74	78	80	79	73	64	53	43	34	30	31	35	42	50	59	66	70	72	73	72	71	72	74
SUN 26		76	78	79	78	75	69	61	52	43	35	31	30	33	37	43	50	56	62	67	72	75	78	81	84
MON 27		86	86	84	79	73	66	58	50	42	36	32	31	32	35	38	41	46	52	58	66	74	81	87	93
TUE 28		96	96	92	85	76	66	57	48	42	38	35	34	34	34	35	36	37	41	47	55	66	78	88	97

## JANUARY 2014

WED 29		102	104	100	92	81	69	58	49	43	40	38	38	38	37	35	33	32	32	35	43	55	69	84	96
THU 30		105	108	106	98	87	73	61	51	45	43	43	44	45	43	39	35	30	27	27	32	43	58	75	91
FRI 31	●	103	108	107	101	90	76	63	53	47	46	48	51	53	52	47	40	33	26	23	25	33	47	64	82

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

# PORTLAND

LAT 38°21'S LONG 141°37'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

FEBRUARY 2014

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

## FEBRUARY 2014

SAT 1		97	105	106	100	89	76	63	52	47	46	50	57	62	63	59	50	40	31	24	22	27	39	55	73
SUN 2		89	100	102	96	86	72	59	49	43	44	49	58	67	71	70	63	51	39	30	25	26	34	48	65
MON 3		82	94	98	93	82	68	54	43	37	37	44	55	67	76	79	74	64	51	39	32	30	34	45	60
TUE 4		76	89	94	91	81	66	50	37	30	29	36	48	61	74	82	82	75	64	51	41	37	38	46	58
WED 5		72	84	91	90	81	66	49	34	25	22	26	38	52	67	78	84	82	74	63	52	45	44	48	58
THU 6		70	81	88	89	82	69	52	36	24	18	20	28	42	57	70	79	82	79	71	63	55	52	54	60
FRI 7	●	69	78	85	86	82	72	57	41	28	19	18	23	33	46	59	70	76	78	75	70	64	60	61	64

## FEBRUARY 2014

SAT 8		70	77	82	83	80	73	61	48	35	25	21	23	29	39	49	59	67	72	73	72	70	68	68	70
SUN 9		74	77	80	80	77	71	62	52	42	33	28	27	30	36	43	50	57	63	67	70	72	74	75	77
MON 10		79	81	80	78	74	68	61	54	47	40	36	34	35	37	40	44	48	53	58	64	70	75	80	84
TUE 11		86	86	83	78	72	65	58	53	48	45	43	42	42	42	41	42	42	44	49	55	64	73	82	89
WED 12		92	92	88	81	72	63	56	50	48	48	49	50	50	48	45	42	39	38	40	47	56	68	81	91
THU 13		97	97	93	84	73	62	53	48	46	48	52	56	57	56	52	45	39	35	34	38	48	61	76	90
FRI 14		99	101	98	88	76	63	52	46	44	47	53	60	64	64	59	51	42	34	30	32	40	53	70	86

## FEBRUARY 2014

SAT 15	○	98	103	101	92	79	64	51	43	41	45	52	62	69	71	67	59	48	37	30	28	34	46	62	80
SUN 16		94	103	102	94	81	65	51	41	38	41	50	61	71	77	75	67	56	43	33	28	30	40	55	73
MON 17		89	99	101	95	83	67	51	40	34	37	46	59	72	80	82	76	65	52	39	31	30	36	49	66
TUE 18		83	95	99	94	83	67	51	38	32	33	41	54	69	80	86	83	73	61	47	37	33	36	46	61
WED 19		76	89	95	93	82	68	52	38	29	28	36	48	63	78	86	87	81	70	57	45	39	39	46	57
THU 20		71	83	91	90	81	67	52	37	28	25	30	42	57	72	84	88	86	77	66	55	47	44	48	57
FRI 21		68	78	86	86	80	67	52	38	27	23	26	36	50	65	78	86	87	82	74	64	56	52	53	59

## FEBRUARY 2014

SAT 22		67	75	81	82	77	66	53	39	28	23	24	31	42	56	69	79	84	83	78	72	66	62	61	64
SUN 23	●	70	75	78	78	74	65	53	41	30	24	23	28	37	48	60	69	76	79	78	76	73	71	71	73
MON 24		76	78	79	77	71	63	53	42	32	26	25	28	34	42	51	59	65	70	73	74	75	77	79	82
TUE 25		84	84	82	78	71	62	52	43	35	30	28	30	34	39	44	49	54	58	63	68	73	78	84	88
WED 26		91	91	88	81	72	62	53	44	39	35	34	35	37	40	42	43	45	47	51	57	65	74	83	91
THU 27		96	97	93	85	75	63	54	46	42	40	41	43	44	45	44	42	40	38	40	46	55	67	79	89
FRI 28		96	98	95	87	76	64	54	47	44	45	48	52	54	53	50	45	39	35	33	36	4			

# PORTLAND

LAT 38°21'S LONG 141°37'E

EASTERN STANDARD TIME - PREDICTED TIDE HEIGHTS IN CMS

MARCH 2014

		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
<b>MARCH 2014</b>																										
SAT	1 ●	94	97	94	86	75	63	52	46	44	47	54	60	65	65	60	53	44	36	31	31	37	48	64	78	
SUN	2	89	94	91	83	71	59	48	42	41	46	56	66	74	77	73	64	53	42	34	30	33	43	57	72	
MON	3	85	90	88	80	67	54	43	35	35	41	53	67	79	85	84	76	64	51	40	34	33	41	52	67	
TUE	4	81	88	87	78	64	49	36	28	27	33	46	62	78	90	93	87	76	62	49	40	37	41	51	64	
WED	5	77	86	87	79	65	48	33	23	19	24	37	54	72	87	95	94	86	73	59	48	43	43	51	63	
THU	6	74	84	87	82	68	51	34	21	15	17	27	44	62	79	92	96	92	82	69	57	50	48	52	62	
FRI	7	72	81	86	84	73	57	40	25	16	14	21	34	52	69	83	92	92	86	76	65	57	54	55	62	
<b>MARCH 2014</b>																										
SAT	8 ○	71	79	84	83	76	63	48	32	21	17	19	29	43	59	73	83	87	86	80	72	64	60	60	64	
SUN	9	70	76	80	81	76	67	54	41	29	23	23	28	39	51	63	73	79	81	79	75	70	67	66	68	
MON	10	72	75	78	77	74	67	57	47	38	32	30	32	39	47	55	63	69	72	74	74	73	72	72	74	
TUE	11	75	77	77	74	70	64	57	50	44	40	38	39	42	47	52	56	60	63	66	69	72	75	77	79	
WED	12	81	80	78	73	67	61	55	51	48	46	46	47	49	50	52	52	53	55	58	62	68	74	80	84	
THU	13	86	85	80	74	66	58	53	49	49	50	53	55	56	56	55	52	49	48	49	54	61	71	80	87	
FRI	14	90	89	84	75	65	56	50	47	48	52	58	62	65	64	60	54	48	44	43	46	54	65	77	87	
<b>MARCH 2014</b>																										
SAT	15	92	92	87	77	66	55	47	44	46	52	61	68	73	73	68	60	51	43	38	40	47	58	72	84	
SUN	16	93	94	89	79	66	53	44	40	42	50	61	72	80	82	77	69	57	46	38	36	41	51	66	80	
MON	17 ○	90	94	90	80	67	52	41	36	38	46	59	73	84	89	87	78	65	52	41	35	37	46	59	75	
TUE	18	87	92	90	81	67	52	39	32	33	41	55	71	86	94	95	87	75	60	47	39	37	43	54	69	
WED	19	82	89	89	80	67	52	38	30	28	35	49	66	84	96	100	95	84	70	56	45	40	43	52	64	
THU	20	77	85	87	80	67	52	37	28	25	30	43	60	78	94	101	100	92	79	65	53	46	45	52	62	
FRI	21	73	82	84	79	67	52	38	26	22	25	36	52	71	88	99	102	97	87	74	62	54	51	54	62	
<b>MARCH 2014</b>																										
SAT	22	70	78	81	78	68	54	39	27	21	22	30	44	62	79	92	99	98	91	81	70	62	58	59	64	
SUN	23	70	76	79	77	68	56	42	30	22	21	26	38	53	69	82	92	94	91	85	77	70	66	65	68	
MON	24 ●	72	76	77	75	68	58	45	34	25	23	26	34	46	59	71	81	86	87	84	80	75	73	73	74	
TUE	25	76	78	78	74	68	59	48	38	31	27	29	34	43	52	61	69	74	77	78	78	77	77	78	80	
WED	26	81	81	79	74	67	59	51	43	37	34	35	39	44	50	55	60	63	66	68	71	74	77	81	84	
THU	27	85	84	81	75	67	59	52	47	43	42	44	46	50	53	54	55	55	55	58	62	67	74	80	84	
FRI	28	87	86	81	74	66	58	52	48	48	50	53	57	59	60	58	55	51	48	49	52	59	68	76	83	
<b>MARCH 2014</b>																										
SAT	29	86	85	80	73	63	55	49	47	50	56	62	67	70	70	66	60	53	46	43	45	51	61	71	79	
SUN	30	84	83	77	69	59	50	44	44	48	57	68	77	82	82	77	68	58	49	42	42	46	55	67	76	
MON	31 ●	82	81	75	65	54	44	38	37	43	54	69	82	91	94	89	79	67	55	46	42	44	51	63	74	

# PORTLAND

LAT 38°21'S LONG 141°37'E

EASTERN STANDARD TIME - PREDICTED TIDE HEIGHTS IN CMS

APRIL 2014

		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
<b>APRIL 2014</b>																										
TUE	1	80	81	74	63	50	39	31	29	35	48	64	82	95	102	100	91	78	63	52	45	44	50	60	71	
WED	2	80	82	76	64	50	35	26	22	27	39	56	76	94	105	107	100	88	73	60	50	47	50	59	69	
THU	3	79	83	79	68	53	37	24	19	20	30	47	67	87	102	109	106	96	82	68	57	51	51	58	68	
FRI	4	77	83	82	73	59	42	28	18	17	23	38	57	77	95	106	107	101	89	76	63	56	54	58	66	
SAT	5	75	81	83	78	66	50	35	23	18	21	32	48	67	85	98	104	102	93	82	70	62	58	59	65	
SUN	6	73	79	82	79	71	58	44	31	24	23	30	43	58	75	88	96	98	94	86	76	68	63	62	65	
MON	7 ○	71	76	79	78	72	63	51	40	32	29	32	41	53	66	78	87	91	90	86	80	73	68	67	68	
<b>APRIL 2014</b>																										
TUE	8	71	74	76	75	71	65	56	48	41	37	38	43	52	61	70	78	82	84	83	80	76	73	72	72	
WED	9	73	73	73	72	68	64	58	53	48	46	46	49	54	60	65	70	73	75	76	77	77	76	76	76	
THU	10	76	75	72	69	65	61	57	55	53	53	54	56	59	62	64	65	66	67	69	71	74	77	79	80	
FRI	11	80	77	73	67	62	57	55	54	56	59	62	65	67	66	64	61	60	61	64	70	75	80	83	83	
SAT	12	83	80	74	66	59	54	51	52	57	63	69	74	76	75	71	66	60	56	55	58	63	71	79	84	
SUN	13	85	82	75	66	57	50	47	49	55	65	74	82	86	85	80	71	62	54	50	52	57	66	75	83	
MON	14	86	83	76	66	55	46	42	44	51	63	77	88	94	95	89	80	68	57	49	48	52	60	71	80	
<b>APRIL 2014</b>																										
TUE	15 ○	85	84	77	66	54	44	38	38	46	59	75	90	101	104	100	90	77	63	52	47	49	55	65	76	
WED	16	83	83	77	66	54	42	34	33	40	53	71	89	103	110	108	100	87	72	59	50	48	53	61	72	
THU	17	80	82	77	66	53	41	31	29	33	46	64	84	101	112	114	108	96	81	67	57	51	53	60	69	
FRI	18	77	80	77	67	54	41	30	25	28	39	56	75	95	109	115	113	103	90	76	64	57	56	60	67	
SAT	19	75	79	77	69	56	42	30	24	24	32	47	66	86	103	112	113	107	96	84	72	64	61	63	68	
SUN	20	74	78	77	71	59	46	33	25	23	28	40	57	75	92	105	110	107	100	89	78	70	66	66	70	
MON	21	74	77	77	73	63	51	38	29	25	27	36	49	65	81	94	101	103	99	91	83	75	71	70	72	
<b>APRIL 2014</b>																										
TUE	22 ●	75	77	77	74	66	56	45	36	30	30	36	45	58	71	82	90	94	94	90	84	79	75	74	74	
WED	23	76	77	76	73	68	60	52	44	39	37	40	47	55	64	73	79	83	85	84	82	79	77	76	76	
THU	24	76	76	74	71	67	62	56	52	48	47	49	53													

# PORTLAND

LAT 38°21'S LONG 141°37'E

EASTERN STANDARD TIME - PREDICTED TIDE HEIGHTS IN CMS

MAY 2014

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

**MAY 2014**

THU 1	79	77	68	56	42	31	26	27	35	51	71	91	108	117	117	110	97	82	70	60	57	60	66	73
FRI 2	80	80	74	62	48	34	26	24	29	43	61	82	101	114	119	115	104	90	76	65	59	60	65	72
SAT 3	79	82	79	69	55	41	30	25	26	36	53	72	92	108	116	116	108	96	82	70	63	60	64	70
SUN 4	77	81	81	75	63	50	37	29	28	33	46	63	82	98	109	113	109	100	88	76	67	63	63	68
MON 5	74	79	81	78	69	58	46	36	32	35	43	57	73	89	101	107	107	101	92	81	71	66	65	67
TUE 6	72	76	79	78	73	64	54	45	40	39	44	54	67	80	92	99	102	99	93	85	76	70	67	67
WED 7 ☾	70	73	75	75	73	67	60	53	48	46	49	55	64	74	83	91	94	94	91	86	80	74	70	69

**MAY 2014**

THU 8	69	71	72	72	70	68	64	60	56	55	56	60	65	71	78	83	86	88	87	84	81	77	74	72
FRI 9	70	69	69	68	67	66	64	64	63	63	64	67	70	73	75	78	79	80	81	81	80	79	77	74
SAT 10	72	69	66	64	62	62	63	65	68	71	74	76	77	77	76	75	74	73	74	75	77	78	78	77
SUN 11	74	70	65	60	57	57	59	64	70	77	82	86	87	85	81	76	72	69	68	69	72	75	78	78
MON 12	75	71	65	58	53	51	54	60	69	80	89	95	97	95	90	81	73	67	63	63	66	71	76	78
TUE 13	76	71	65	56	49	46	47	54	65	79	92	102	107	106	100	90	79	69	62	60	62	67	73	76
WED 14	76	72	64	55	47	41	41	47	59	75	92	106	114	115	110	100	87	75	65	59	59	63	69	74

**MAY 2014**

THU 15 ☽	76	73	65	55	45	38	36	40	51	67	86	104	116	122	119	110	97	83	71	62	60	62	67	73
FRI 16	75	73	66	56	45	36	32	33	43	59	78	98	114	123	124	117	106	92	79	68	63	63	66	71
SAT 17	75	75	69	58	46	36	30	29	35	49	68	88	107	120	124	121	112	99	86	75	68	66	68	71
SUN 18	76	76	72	63	50	39	30	27	31	41	58	77	96	112	120	121	114	104	92	80	73	69	70	73
MON 19	76	78	75	68	57	45	35	29	30	37	50	67	85	101	112	116	113	105	95	84	76	71	71	73
TUE 20	76	78	78	73	64	53	42	35	33	37	45	59	75	89	101	108	108	103	95	85	77	73	71	72
WED 21 ☽	75	77	78	76	70	61	52	44	40	41	46	56	68	80	91	98	100	98	92	85	78	72	70	70

**MAY 2014**

THU 22	72	74	75	75	72	68	61	55	51	50	53	58	66	75	83	88	92	92	88	83	77	72	69	68
FRI 23	68	69	70	71	71	69	67	65	62	61	62	66	69	74	78	82	84	84	83	80	76	71	68	65
SAT 24	64	64	64	64	65	67	68	70	72	73	74	76	78	79	79	79	78	77	76	74	71	68	65	65
SUN 25	62	60	58	57	58	60	65	71	77	82	86	88	88	87	84	80	77	74	73	72	72	71	69	66
MON 26	61	57	53	51	50	52	58	66	76	86	94	98	99	97	92	85	78	73	70	69	69	71	70	68
TUE 27	64	58	52	46	43	44	49	59	71	85	97	106	109	107	101	92	83	74	69	67	67	70	72	72
WED 28	68	61	53	45	40	38	41	50	64	80	96	108	115	115	110	100	89	78	69	65	65	68	72	75

**MAY 2014**

THU 29 ●	73	67	58	48	39	34	34	41	55	72	90	107	118	121	117	108	95	83	72	65	64	66	71	76
FRI 30	77	73	65	53	42	34	32	35	46	62	82	101	116	123	122	115	103	88	76	67	64	65	70	76
SAT 31	79	79	72	61	49	38	32	32	39	54	72	92	109	121	124	119	109	95	81	70	64	64	68	74

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

# PORTLAND

LAT 38°21'S LONG 141°37'E

EASTERN STANDARD TIME - PREDICTED TIDE HEIGHTS IN CMS

JUNE 2014

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

**JUNE 2014**

SUN 1	79	81	78	69	57	45	36	33	36	47	63	82	101	115	122	121	112	100	86	74	66	64	66	72
MON 2	78	82	81	75	65	53	43	37	37	43	57	74	91	107	117	119	114	104	91	78	69	64	65	69
TUE 3	75	80	82	79	72	61	51	43	40	44	53	67	83	98	109	114	112	105	94	82	72	66	64	67
WED 4	72	77	80	80	76	68	59	51	47	47	53	63	76	90	101	108	109	104	96	85	75	68	64	65
THU 5	68	73	77	79	77	73	66	60	55	53	56	63	73	83	93	100	103	101	95	87	78	70	65	64
FRI 6 ☽	66	69	72	75	76	75	71	67	63	61	62	66	73	80	87	93	96	96	92	86	79	72	67	64
SAT 7	64	65	67	70	72	74	74	73	71	71	71	73	76	80	84	87	89	89	88	84	79	74	69	65

**JUNE 2014**

SUN 8	63	62	63	64	67	70	73	76	78	80	81	82	83	84	84	84	83	82	80	78	74	70	67	67
MON 9	63	61	59	59	61	64	70	76	82	87	90	92	93	91	88	84	81	78	76	75	74	73	71	68
TUE 10	64	60	57	54	54	57	64	72	82	91	98	102	103	101	96	89	82	76	72	70	71	70	68	68
WED 11	65	60	55	51	49	50	56	66	78	91	102	110	113	112	106	97	87	78	71	67	66	68	69	68
THU 12	66	61	55	49	44	43	47	57	70	86	102	113	120	121	116	107	95	83	73	67	65	65	68	69
FRI 13 ☽	67	63	55	48	42	38	40	47	60	77	95	111	122	127	124	116	104	91	79	70	66	65	67	70
SAT 14	69	66	58	50	41	36	34	39	50	66	85	104	119	127	128	122	111	98	86	75	69	67	68	71

**JUNE 2014**

SUN 15	72	70	64	54	44	36	32	33	41	55	73	93	111	122	127	124	115	103	90	80	72	69	70	72
MON 16	75	75	70	61	50	40	33	32	36	47	63	81	100	114	122	121	115	104	92	82	74	70	70	73
TUE 17	77	79	76	70	59	48	39	35	36	43	55	71	89	104	114	116	112	103	92	81	73	69	69	72
WED 18	76	80	81	77	69	59	49	42	40	44	52	65	80	94	105	109	108	100	90	79	71	66	64	67
THU 19	72	77	81	81	77	69	61	53	49	49	54	63	75	86	96	102	102	97	88	78	68	62	59	61
FRI 20 ☽	65	71	76	80	80	77	71	65	60	59	61	66	74	82	90	95	97	94	87	77	68	60	56	55
SAT 21	58	62	68	73	77	79	78	75	72	70	71	73	77	82	87	90	91	90	85	77	68	60	54	52

**JUNE 2014**

SUN 22	52	55	59	65	70	75	78	81	81	81	83	84	86	87	88	87	86	82	77	70	63	56	52	52
MON 23	50	50	51	55	60	67	73	80	85	89	92	93	93	92	90	88	85	82	79	75	71	66	61	55
TUE 24	51	49	47	48	51	57	65	74	84	92	98	102	102	100	96	91	85	80	76	73	71	69	65	61
WED 25	56	51	47	45	45	48	56	66	78	91	101	108	110	108	103	96	87	80	74	71	70	70	69	67
THU 26	63	57	50	45	42	42	47	57	70	85	99	110	116	116	111	102	91	81	73	69	68	69	71	72
FRI 27 ●	70	64	56	48	42	39	40	48	61	77	94	108	118	121	117	108	96	84	74	68	66	67	71	75
SAT 28	75	72	64	55	45	39	37	41	52	67	85	103	116	123	122	114	102	88	77	68	64	65	69	75

# PORTLAND

LAT 38°21'S LONG 141°37'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

JULY 2014

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
<b>JULY 2014</b>																									
TUE 1	78	83	83	77	67	56	46	41	41	48	61	78	95	110	118	119	112	100	86	73	64	60	62	68	
WED 2	75	82	85	82	74	64	54	46	44	47	57	71	87	102	112	115	111	102	89	76	65	59	59	64	
THU 3	71	79	84	84	80	71	62	54	49	50	56	67	81	95	105	110	109	101	90	78	66	59	57	60	
FRI 4	66	74	80	84	83	77	70	63	57	55	58	66	77	88	98	104	105	99	90	79	68	60	56	57	
SAT 5 ●	62	68	75	81	83	81	76	71	66	63	64	68	76	85	92	98	99	96	89	79	69	61	56	55	
SUN 6	57	63	69	75	80	81	81	78	75	72	74	78	83	88	92	93	91	86	78	70	62	57	54		
MON 7	55	58	63	68	74	79	81	83	82	82	82	83	84	86	88	88	86	82	76	69	63	58	54		
<b>JULY 2014</b>																									
TUE 8	54	54	57	61	66	72	78	83	87	90	92	93	94	93	91	88	85	81	77	72	68	63	59	55	
WED 9	53	53	53	54	58	64	71	79	88	95	100	103	104	102	98	92	85	79	73	69	65	62	59	57	
THU 10	54	52	50	49	50	54	62	72	83	94	104	110	113	112	108	99	90	80	73	67	63	62	60	59	
FRI 11	56	53	49	46	44	46	51	61	74	88	102	113	119	120	117	108	97	85	75	68	63	62	62	61	
SAT 12 ○	60	56	51	46	41	39	42	50	62	78	95	110	120	124	122	115	104	91	79	70	65	63	64	65	
SUN 13	65	61	55	48	41	37	36	40	51	66	84	102	116	124	124	118	108	96	83	73	67	65	66	69	
MON 14	70	69	63	54	45	38	34	35	42	55	73	92	108	118	122	118	109	97	85	74	67	65	67	71	
<b>JULY 2014</b>																									
TUE 15	76	76	72	64	53	44	37	35	38	48	63	81	98	111	116	114	106	95	82	72	65	63	66	71	
WED 16	78	82	81	75	64	53	44	39	39	45	57	72	89	102	110	110	103	92	79	68	61	58	61	67	
THU 17	75	83	86	83	76	65	55	47	45	47	55	68	82	95	104	105	100	89	76	63	55	51	53	60	
FRI 18	69	78	85	88	84	76	67	58	53	53	58	67	79	90	98	101	98	88	75	62	51	46	45	51	
SAT 19 ●	60	70	79	86	87	84	77	70	64	62	64	69	78	87	94	97	96	88	77	63	51	43	41	43	
SUN 20	50	60	70	78	84	86	84	79	75	72	72	75	80	86	91	94	93	88	78	67	55	45	40	40	
MON 21	44	51	59	68	75	81	84	84	83	81	81	82	85	88	90	91	90	86	79	70	60	51	44	42	
<b>JULY 2014</b>																									
TUE 22	42	45	51	58	65	72	78	83	86	88	89	90	91	92	91	90	87	83	77	71	65	58	52	47	
WED 23	45	45	47	50	55	62	69	77	84	90	95	98	99	98	95	90	85	80	75	70	67	63	59	55	
THU 24	51	49	47	47	48	52	59	68	79	89	97	103	105	104	100	93	85	78	72	68	66	65	64	63	
FRI 25	60	55	51	47	45	45	50	59	70	84	96	106	111	110	106	97	87	77	70	65	64	65	67	69	
SAT 26	68	63	57	50	45	42	43	50	61	76	91	104	113	115	111	102	90	79	69	63	61	63	68	72	
SUN 27 ●	74	71	65	56	48	42	39	43	53	67	84	100	112	117	115	107	94	81	69	61	59	61	67	74	
MON 28	78	78	73	64	53	44	39	39	46	59	76	94	108	117	117	110	98	84	71	61	57	58	64	73	
<b>JULY 2014</b>																									
TUE 29	80	83	80	72	61	49	41	38	41	52	68	86	102	113	117	112	101	87	72	61	55	55	61	70	
WED 30	80	85	86	79	69	57	46	41	41	48	61	78	95	108	114	111	102	89	73	61	53	52	57	66	
THU 31	77	85	89	85	77	66	54	46	43	47	58	72	88	102	109	109	102	89	75	61	52	49	53	61	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	

# PORTLAND

LAT 38°21'S LONG 141°37'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

AUGUST 2014

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
<b>AUGUST 2014</b>																									
FRI 1	72	83	89	89	83	73	63	53	48	49	56	68	82	95	104	106	100	89	76	62	52	47	49	56	
SAT 2	66	78	86	90	87	80	71	62	55	54	58	67	78	89	98	101	98	88	76	63	52	46	46	51	
SUN 3	60	71	81	88	89	85	78	71	64	61	62	68	76	85	92	96	94	87	76	64	53	46	44	47	
MON 4 ●	55	64	74	82	87	87	83	78	73	70	70	72	78	84	88	91	89	84	75	64	54	47	44	45	
TUE 5	50	58	66	75	81	84	85	84	81	79	79	80	83	85	87	87	85	80	72	64	55	48	44	44	
WED 6	47	52	59	65	72	78	82	85	86	87	89	90	91	91	89	87	82	76	69	62	55	50	46	45	
THU 7	46	49	52	57	62	68	74	80	87	92	96	99	101	100	96	90	82	75	67	60	55	51	49	48	
<b>AUGUST 2014</b>																									
FRI 8	48	48	49	50	52	57	63	71	81	91	99	105	109	108	104	96	86	76	67	60	56	53	52	52	
SAT 9	51	50	48	46	45	47	51	60	71	84	96	107	113	114	110	102	91	79	68	61	57	56	57	57	
SUN 10	57	55	51	47	42	40	42	48	59	74	90	103	112	116	113	106	95	82	70	62	58	58	61	64	
MON 11 ○	65	63	57	51	44	38	36	39	49	62	79	96	108	114	112	106	95	83	71	62	58	59	64	70	
TUE 12	73	73	67	59	49	41	36	35	41	53	69	87	101	109	109	103	92	80	68	59	56	58	64	72	
WED 13	80	82	79	70	59	48	40	37	39	48	62	78	93	103	105	99	88	75	63	54	50	53	60	71	
THU 14	82	88	88	82	71	59	48	42	41	47	58	72	87	97	101	96	85	71	57	48	43	45	53	65	
<b>AUGUST 2014</b>																									
FRI 15	78	89	94	91	82	71	59	50	47	49	58	70	82	93	98	95	84	70	54	42	36	36	43	56	
SAT 16	70	83	93	95	90	81	70	60	55	54	60	69	80	90	95	94	86	72	56	42	33	30	35	45	
SUN 17 ●	59	74	86	93	93	88	79	70	63	61	64	70	79	88	93	93	87	75	61	46	34	29	30	37	
MON 18	49	63	75	85	89	89	84	78	72	69	70	73	80	86	90	91	87	78	66	53	41	33	31	35	
TUE 19	43	53	64	74	81	84	84	82	79	76	76	78	82	85	88	88	85	78	69	59	49	41	37	37	
WED 20	41	48	55	63	70	75	79	81	82	82	83	84	86	87	87	85	81	76	70	63	55	49	45	44	
THU 21	45	47	51	55	60	65	70	76	80	85	88	90	91	91	88	84	78	73	67	63	59	56	54	52	
<b>AUGUST 2014</b>																									
FRI 22	51	51	51	51	52	56	61	67	76	84	91	95	97	96	91	85	77	69	64	61	59	60	61	61	
SAT 23	60	57	54	51	48	48	52	59	68	80	90	98	102	101	95	87	77	68	61	58	58	61	65	68	
SUN 24	68	65	60	53	48	44	44	50	60	73	87	98	105	105	100	90	79	67	58	55	55	60	67	73	
MON 25	75	73	67	59	50	43	40	43	52	65	81	95	105	107	103	94	80	68	57	52	52	57	66	75	
TUE 26 ●	81	81	76	66	55	45	39	39	45	58	74	90	102	108</											

# PORTLAND

LAT 38°21'S LONG 141°37'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

SEPTEMBER 2014

		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SEPTEMBER 2014																									
MON	1	65	79	90	95	94	88	79	69	62	59	60	67	75	83	88	88	81	71	58	46	37	34	37	45
TUE	2	57	71	82	90	93	90	84	77	71	67	67	70	76	81	84	84	79	70	59	47	39	34	36	41
WED	3	51	62	73	81	86	88	86	82	78	76	75	77	80	82	83	81	76	68	59	49	41	37	36	40
THU	4	47	55	63	71	77	80	82	83	82	83	84	85	87	86	84	80	74	66	58	50	44	40	39	42
FRI	5	46	51	56	61	65	70	74	78	82	86	90	93	94	93	88	82	74	65	57	51	47	44	44	46
SAT	6	48	50	52	53	55	58	62	69	76	84	91	97	100	99	94	85	75	66	58	52	50	49	50	52
SUN	7	54	54	52	50	48	48	51	57	67	78	88	97	101	102	97	88	77	66	58	53	52	54	57	61
SEPTEMBER 2014																									
MON	8	62	61	57	52	46	42	42	47	56	69	82	93	100	101	97	88	77	65	56	52	52	57	64	69
TUE	9	72	71	65	58	49	42	38	40	47	59	74	87	95	98	94	85	74	62	53	49	51	57	67	76
WED	10	82	82	77	67	56	46	39	37	42	52	66	80	90	94	90	81	69	57	48	43	45	54	66	79
THU	11	89	92	89	79	67	54	45	40	41	49	61	75	86	91	87	77	64	51	41	36	37	46	60	76
FRI	12	90	98	98	90	78	64	53	46	44	49	59	72	83	89	87	77	63	48	35	29	29	37	51	68
SAT	13	86	98	103	98	88	75	62	53	49	51	60	70	81	88	88	79	65	49	34	25	23	28	41	59
SUN	14	76	92	101	102	95	84	71	60	55	55	60	70	79	86	88	83	70	54	38	26	21	23	33	48
SEPTEMBER 2014																									
MON	15	66	82	94	99	97	89	78	68	61	60	62	69	78	84	87	84	75	61	45	32	24	23	29	40
TUE	16	56	71	83	91	93	90	83	75	68	65	66	70	76	82	84	83	77	66	53	41	32	28	30	38
WED	17	49	61	72	81	86	86	83	78	73	70	70	72	76	79	81	80	76	68	59	49	41	36	36	40
THU	18	47	55	64	71	76	78	79	78	77	75	75	76	78	79	78	76	72	67	61	54	49	46	45	46
FRI	19	50	54	58	62	66	69	72	74	77	79	80	81	82	81	78	73	68	63	59	56	54	53	54	54
SAT	20	56	57	57	58	58	60	63	68	73	79	83	86	86	84	79	73	65	60	56	55	56	58	61	63
SUN	21	63	62	59	56	53	52	55	60	67	76	84	89	90	88	82	73	64	56	52	52	55	61	66	71
SEPTEMBER 2014																									
MON	22	72	70	65	58	52	48	48	52	60	71	82	90	93	91	84	74	63	54	49	48	53	61	70	77
TUE	23	80	78	72	63	54	46	43	46	53	65	77	88	94	93	87	76	63	52	45	44	49	59	71	81
WED	24	88	87	81	71	59	48	41	41	47	58	72	84	93	94	88	77	63	51	42	40	45	55	69	83
THU	25	93	95	90	80	66	53	44	40	43	52	66	80	89	93	88	78	64	50	40	36	40	50	65	82
FRI	26	95	100	98	89	76	61	49	42	42	49	61	74	85	90	88	78	64	50	38	33	35	45	60	77
SAT	27	93	103	104	97	84	70	56	47	43	48	57	69	81	87	86	78	65	50	38	31	31	39	53	71
SUN	28	89	101	106	102	92	78	64	53	48	49	56	66	77	84	84	77	65	51	38	29	28	34	47	64
SEPTEMBER 2014																									
MON	29	81	96	105	104	97	86	73	61	54	53	57	65	74	80	82	77	66	52	39	30	26	30	40	56
TUE	30	73	88	99	103	99	91	80	69	61	59	60	66	72	77	79	76	67	54	42	32	27	28	36	49
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

# PORTLAND

LAT 38°21'S LONG 141°37'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

OCTOBER 2014

		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
OCTOBER 2014																									
WED	1	64	79	90	97	97	92	85	76	69	65	65	68	73	76	77	74	67	56	45	35	29	29	34	44
THU	2	56	69	80	87	91	89	85	80	75	72	72	73	75	76	76	72	66	57	48	40	34	33	36	43
FRI	3	51	61	69	76	80	82	81	80	78	78	78	79	79	79	76	71	65	57	50	44	40	39	41	45
SAT	4	51	56	61	65	69	71	73	75	77	79	82	83	84	81	77	71	64	57	51	47	46	46	48	52
SUN	5	55	57	58	58	59	60	62	67	72	77	82	85	86	84	78	71	62	55	51	49	51	53	57	61
MON	6	63	63	60	57	53	51	52	57	64	71	78	84	85	83	78	69	60	53	49	49	53	60	66	71
TUE	7	73	71	67	60	53	47	46	48	55	65	74	80	83	81	75	66	57	49	45	46	53	63	73	81
OCTOBER 2014																									
WED	8	84	83	76	67	57	48	43	44	49	58	69	76	80	78	71	61	51	43	39	41	49	61	76	87
THU	9	94	94	88	77	65	54	45	43	46	54	64	74	78	76	69	58	46	37	32	33	42	56	73	89
FRI	10	100	104	99	88	75	61	51	45	46	52	61	71	77	77	69	57	43	31	25	25	33	48	66	85
SAT	11	101	108	107	98	85	70	58	50	48	53	60	70	77	78	72	59	44	30	21	19	24	38	56	77
SUN	12	95	107	110	105	93	79	65	56	51	53	60	69	77	80	76	65	49	34	22	17	19	29	47	66
MON	13	86	101	109	107	98	86	72	61	56	55	60	68	75	80	79	71	57	41	28	19	18	25	38	56
TUE	14	75	91	102	105	100	90	78	67	60	57	60	66	73	78	79	74	64	50	37	26	22	25	34	49
OCTOBER 2014																									
WED	15	65	81	92	98	97	91	82	72	64	61	61	65	70	75	77	74	67	57	46	36	30	30	35	45
THU	16	58	71	82	89	91	89	83	76	69	65	64	65	69	71	73	72	67	61	53	45	39	38	40	47
FRI	17	55	64	73	79	82	83	81	77	73	69	68	68	69	69	69	68	64	60	56	51	48	47	48	52
SAT	18	57	62	67	71	73	75	75	75	74	73	72	71	71	69	67	64	60	57	55	54	54	55	57	59
SUN	19	62	64	65	65	66	67	68	70	72	74	75	75	74	70	66	61	56	53	52	54	57	61	65	68
MON	20	69	68	66	63	60	59	60	63	68	73	76	78	76	73	66	59	53	49	49	52	58	65	72	77
TUE	21	78	76	71	64	58	54	54	57	62	69	76	79	79	74	67	58	50	45	44	48	57	67	77	85
OCTOBER 2014																									
WED	22	87	85	78	69	60	52	49	51	56	65	73	79	80	76	68	58	48	41	39	44	53	66	80	91
THU	23	96	94	88	77	64	54	47	46	51	59	69	77	80	77	69	58	46	38	34	38	48	63	79	94
FRI	24	102	103	97	86	72	58	49	45	47	54	64	74	78	77	70	59	46	36	30	32	42	57	75	93
SAT	25	105	110	106	95	81																			

**PORTLAND**

LAT 38°21'S LONG 141°37'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

NOVEMBER 2014

Table with columns for dates (SAT, SUN, MON, TUE, WED, THU, FRI) and tide heights (0-23). Includes moon phase indicators for several days.

**PORTLAND**

LAT 38°21'S LONG 141°37'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

DECEMBER 2014

Table with columns for dates (MON, TUE, WED, THU, FRI, SAT, SUN) and tide heights (0-23). Includes moon phase indicators for several days.