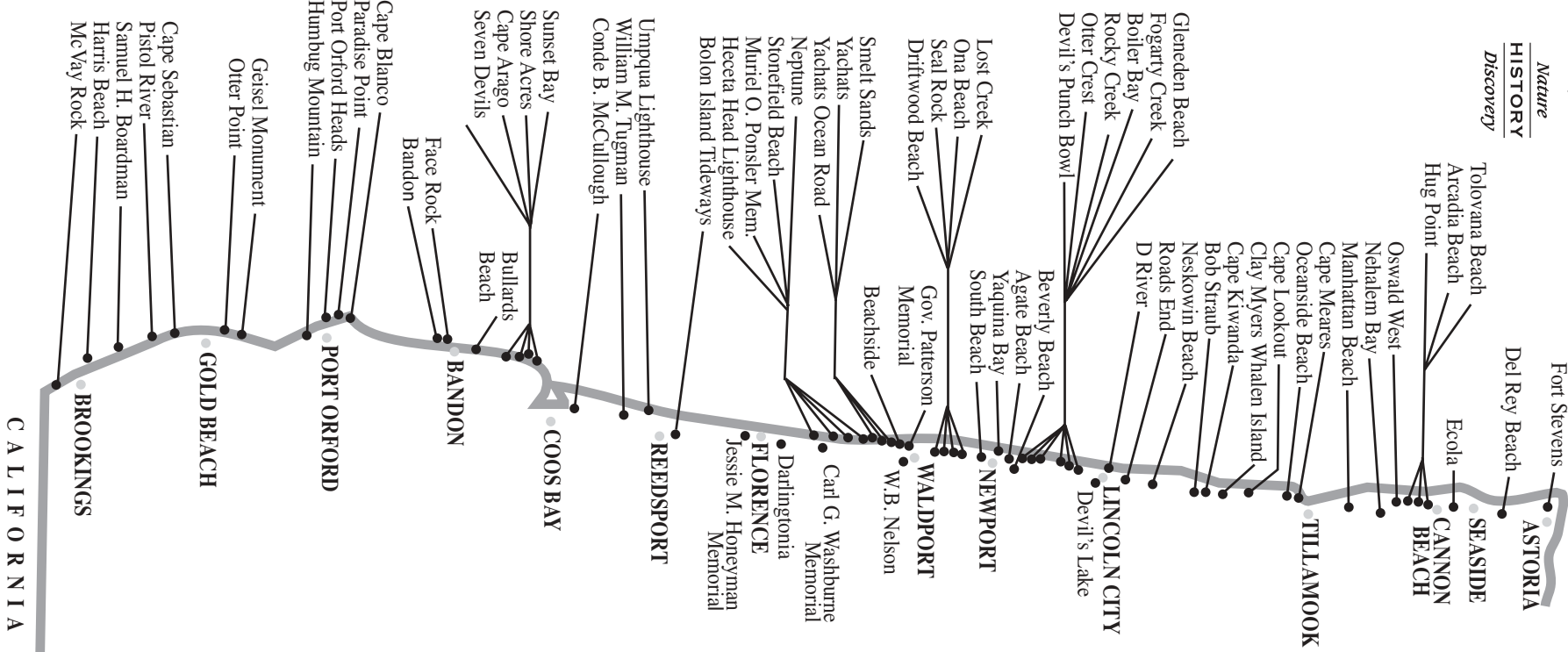




WASHINGTON



JUL 2004
OSU Hatfield Marine Science Center Dock, Yaquina Bay, OR

DATE	TIME (H)	TIME (M)	HT	HT
1	T	12:57	6.7	11:40
2	F	12:57	6.7	11:40
3	S	12:57	6.7	11:40
4	S	12:57	6.7	11:40
5	M	12:57	6.7	11:40
6	T	12:57	6.7	11:40
7	W	12:57	6.7	11:40
8	T	12:57	6.7	11:40
9	F	12:57	6.7	11:40
10	S	12:57	6.7	11:40
11	S	12:57	6.7	11:40
12	M	12:57	6.7	11:40
13	T	12:57	6.7	11:40
14	W	12:57	6.7	11:40
15	T	12:57	6.7	11:40
16	F	12:57	6.7	11:40
17	S	12:57	6.7	11:40
18	S	12:57	6.7	11:40
19	M	12:57	6.7	11:40
20	T	12:57	6.7	11:40
21	W	12:57	6.7	11:40
22	T	12:57	6.7	11:40
23	F	12:57	6.7	11:40
24	S	12:57	6.7	11:40
25	S	12:57	6.7	11:40
26	M	12:57	6.7	11:40
27	T	12:57	6.7	11:40
28	W	12:57	6.7	11:40
29	T	12:57	6.7	11:40
30	F	12:57	6.7	11:40
31	S	12:57	6.7	11:40

AUG 2004
OSU Hatfield Marine Science Center Dock, Yaquina Bay, OR

DATE	TIME (H)	TIME (M)	HT	HT
1	S	12:27	9.9	2:08
2	M	1:10	9.7	2:48
3	T	1:10	9.7	2:48
4	W	3:02	8.3	4:07
5	T	3:57	7.4	4:54
6	F	4:57	6.5	5:26
7	S	7:36	5.8	6:57
8	M	9:11	5.3	7:50
9	T	10:50	4.4	9:15
10	W	11:25	3.9	9:40
11	T	11:24	3.4	10:39
12	F	12:04	2.2	10:29
13	S	1:06	1.1	11:13
14	S	1:06	1.1	11:13
15	F	6:27	6.4	11:13
16	T	6:27	6.4	11:13
17	W	6:27	6.4	11:13
18	T	6:27	6.4	11:13
19	F	6:27	6.4	11:13
20	S	6:27	6.4	11:13
21	S	6:27	6.4	11:13
22	M	6:27	6.4	11:13
23	T	6:27	6.4	11:13
24	W	6:27	6.4	11:13
25	T	6:27	6.4	11:13
26	F	6:27	6.4	11:13
27	S	6:27	6.4	11:13
28	S	6:27	6.4	11:13
29	M	6:27	6.4	11:13
30	T	6:27	6.4	11:13
31	F	6:27	6.4	11:13

SEP 2004
OSU Hatfield Marine Science Center Dock, Yaquina Bay, OR

DATE	TIME (H)	TIME (M)	HT	HT
1	F	2:42	7.4	2:19
2	S	3:27	6.9	3:23
3	S	4:27	6.4	4:03
4	M	5:31	6.1	4:52
5	T	6:51	5.8	5:53
6	W	8:16	5.9	6:04
7	T	9:01	6.5	6:41
8	F	10:01	7.7	7:28
9	S	10:32	6.8	8:16
10	M	11:25	7.3	10:31
11	T	12:04	8.2	11:17
12	W	12:04	8.2	12:17
13	T	12:04	8.2	12:17
14	W	12:50	7.9	12:45
15	F	1:28	7.8	1:16
16	S	2:38	7.8	1:51
17	S	3:23	7.2	2:30
18	M	4:26	6.8	3:16
19	T	5:37	6.6	4:11
20	W	6:56	6.5	5:21
21	T	8:09	6.8	6:46
22	F	9:07	7.2	8:11
23	S	9:53	7.7	9:27
24	S	9:53	7.7	9:27
25	M	11:06	8.6	11:27
26	T	11:38	8.9	12:07
27	W	12:07	9.1	12:07
28	T	12:03	7.5	1:05
29	F	1:52	7.3	1:05
30	S	2:38	7.1	1:34
31	S	2:25	6.8	1:05

OCT 2004
OSU Hatfield Marine Science Center Dock, Yaquina Bay, OR

DATE	TIME (H)	TIME (M)	HT	HT
1	F	8:19	0.2	8:46
2	S	9:34	1.0	10:24
3	S	9:34	1.0	10:24
4	M	8:50	1.8	9:50
5	T	8:42	2.6	11:19
6	W	7:15	3.4	12:21
7	T	5:53	4.3	1:23
8	F	4:42	5.1	2:23
9	S	3:42	5.8	3:31
10	M	2:39	6.6	4:35
11	T	1:52	7.3	5:43
12	W	1:11	8.0	6:50
13	T	1:11	8.0	6:50
14	W	6:17	7.9	8:03
15	F	7:18	8.1	9:13
16	S	8:15	8.5	10:23
17	S	8:28	9.3	11:33
18	M	9:15	9.0	12:43
19	T	10:13	9.6	1:53
20	W	11:13	10.1	3:03
21	T	12:13	10.6	4:13
22	F	1:13	11.1	5:23
23	S	2:13	11.6	6:33
24	S	3:13	12.1	7:43
25	M	4:13	12.6	8:53
26	T	5:13	13.1	10:03
27	W	6:13	13.6	11:13
28	T	7:13	14.1	12:23
29	F	8:13	14.6	1:33
30	S	9:13	15.1	2:43
31	S	10:13	15.6	3:53

NOV 2004
OSU Hatfield Marine Science Center Dock, Yaquina Bay, OR

DATE	TIME (H)	TIME (M)	HT	HT
1	M	3:16	6.6	1:39
2	T	4:14	6.3	2:47
3	W	5:14	6.2	3:55
4	T	6:16	6.1	4:54
5	F	7:19	6.6	5:55
6	S	8:23	7.1	6:57
7	S	9:26	7.5	8:01
8	M	10:29	8.0	9:04
9	T	11:31	8.4	10:07
10	W	12:32	8.8	11:10
11	T	1:32	9.2	12:12
12	F	2:32	9.6	1:12
13	S	3:32	10.0	2:12
14	S	4:32	10.4	3:12
15	M	5:32	10.8	4:12
16	T	6:32	11.2	5:12
17	W	7:32	11.6	6:12
18	T	8:32	12.0	7:12
19	F	9:32	12.4	8:12
20	S	10:32	12.8	9:12
21	S	11:32	13.2	10:12
22	M	12:32	13.6	11:12
23	T	1:32	14.0	12:12
24	W	2:32	14.4	1:12
25	T	3:32	14.8	2:12
26	F	4:32	15.2	3:12
27	S	5:32	15.6	4:12
28	S	6:32	16.0	5:12
29	M	7:32	16.4	6:12
30	T	8:32	16.8	7:12
31	T	9:32	17.2	8:12

DEC 2004
OSU Hatfield Marine Science Center Dock, Yaquina Bay, OR

DATE	TIME (H)	TIME (M)	HT	HT
1	W	3:48	6.8	1:53
2	T	4:27	6.9	2:32
3	F	5:07	7.1	3:11
4	S	6:10	7.4	3:50
5	T	7:14	7.7	4:29
6	W	8:18	8.0	5:08
7	T	9:22	8.3	5:47
8	F	10:26	8.6	6:26
9	S	11:30	8.9	7:05
10	S	12:34	9.1	7:44
11	M	1:38	9.4	8:23
12	T	2:42	9.7	9:02
13	W	3:46	10.0	9:41
14	T	4:50	10.3	10:20
15	F	5:54	10.6	11:00
16	S	6:58	10.9	11:40
17	S	8:02	11.2	12:20
18	M	9:06	11.5	1:00
19	T	10:10	11.8	1:40
20	W	11:14	12.1	2:20
21	T	12:18	12.4	3:00
22	F	1:22	12.7	3:40
23	S	2:26	13.0	4:20
24	S	3:30	13.3	5:00
25	M	4:34	13.6	5:40
26	T	5:38	13.9	6:20
27	W	6:42	14.2	7:00
28	T	7:46	14.5	7:40
29	F	8:50	14.8	8:20
30	S	9:54	15.1	9:00
31	S	10:58	15.4	9:40

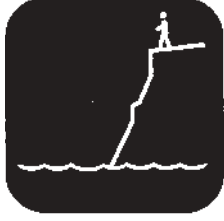
TIDAL CORRECTION TABLE

Location	High	Low	High Ratio	Low Ratio
SEASIDE BAY	9	25	0.89	0.85
BARBER	41	45	0.93	0.93
GARIBOLDI	41	45	0.93	0.93
NEHECUBA BAY, ENTRANCE	22	41	0.91	0.85
SILETZ BAY	15	42	0.78	0.69
KEENEHILL	51	82	0.71	0.62
YAQUINA BAY	1	1	1	1
SOUTH BEACH	0	0	1.00	1.00
ALSEA BAY, WALDPONT	23	30	0.92	0.93
SUSUNAW RIVER	4	2	0.88	0.93
ENTRANCE	7	2	0.83	0.93
REDSPOINT	73	83	0.8	0.77
COOS BAY	-3	-1	0.91	0.93
CHARLESTON	88	87	0.88	0.85
COOS BAY	-32	-27	0.83	0.93

To estimate the high tide for a particular location, add the high minutes to low time. To find the estimated tidal height, multiply the South Beach predicted high height by the indicated high ratio and the South Beach low time. To estimate the low tide for a particular location, subtract the indicated number of minutes to the South Beach predicted high time from the monthly table. If the time is negative, add the indicated low ratio and the South Beach low time.

Information:
1-800-551-6949
Reservations:
1-800-452-5687

Take care around high, steep cliffs. Assume that all cliff edges are unstable, and stay on marked trails. Rocks can be slippery even when it isn't raining. Never walk under an overhanging cliff. Stay behind guard fences and railings, and don't get too close to the edge.



Don't turn your back on the ocean! Watch out for "sneaker waves." Sneaker waves appear suddenly and are impossible to predict. They often come rushing high up on shore with deadly force.



Oregon State Parks

Information:
1-800-551-6949
Reservations:
1-800-452-5687

State parks website:
w.oregonstateparks.org

Tidetable website:
www.hmsc.orst.edu



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Tide Tables

2004

Cap'n Beware
and Oregon State Parks
remind you to . . .



Know the tides and . . .
Play it Safe at the Beach!

Be aware of incoming tides. Because tide pools can be sooo interesting, you might lose track of time. Make sure you know when the tide is coming in so you don't end up stranded. Read this tide table to make sure you stay safe on the beach.



Don't play on the logs, especially logs on wet sand or in the water. The ocean is strong enough to pick up even the biggest log and plop it down on top of you. If you see a log in the surf or on wet sand, stay off it.



DATE	TIME (HT)	TIME (LT)	TIME (HT)	TIME (LT)
1	T	12:04	6:5	11:15
2	F	11:59	6:1	11:20
3	T	1:01	6:7	11:29
4	F	12:45	9:8	12:50
5	S	1:27	9:7	13:49
6	S	2:37	9:2	14:39
7	M	3:24	8:5	15:35
8	T	4:26	7:7	16:29
9	F	5:36	6:8	17:24
10	T	6:55	6:1	18:13
11	F	8:17	5:6	19:04
12	S	9:37	5:5	19:57
13	S	10:47	5:3	20:50
14	M	11:46	5:7	21:41
15	T	12:36	5:9	22:30
16	T	1:20	6:1	23:18
17	T	1:59	6:2	24:04
18	F	2:37	6:3	24:49
19	F	3:15	6:3	25:32
20	S	3:54	6:3	26:13
21	M	4:32	6:4	26:51
22	T	5:11	6:5	27:27
23	W	5:49	6:7	28:01
24	T	6:27	7:0	28:44
25	F	7:05	7:4	29:24
26	S	7:44	7:8	30:01
27	S	8:26	8:4	30:35
28	M	9:11	9:8	31:06
29	T	10:00	9:4	31:34
30	W	11:00	9:9	32:00

DATE	TIME (HT)	TIME (LT)	TIME (HT)	TIME (LT)
1	S	10:19	6:6	10:51
2	F	11:15	6:2	11:22
3	M	12:09	7:1	11:55
4	T	1:03	7:1	12:29
5	W	12:50	9:3	13:02
6	F	1:09	9:5	13:35
7	F	1:52	9:4	14:07
8	S	2:40	9:1	14:38
9	S	3:34	8:5	15:08
10	M	4:36	7:8	15:37
11	T	5:50	7:1	16:05
12	T	7:14	6:6	16:32
13	F	8:35	6:3	17:00
14	F	9:49	6:2	17:27
15	S	10:47	6:1	17:54
16	S	11:42	6:1	18:21
17	M	12:36	6:2	18:48
18	T	1:21	6:3	19:14
19	T	2:04	6:3	19:40
20	F	2:48	6:2	20:06
21	F	3:29	6:1	20:32
22	S	4:15	6:0	20:57
23	S	5:04	5:9	21:22
24	M	5:55	5:9	21:47
25	T	6:45	6:0	22:12
26	T	7:31	6:3	22:37
27	T	8:10	6:6	23:02
28	F	8:46	7:2	23:27
29	S	9:19	7:8	23:52
30	S	9:59	8:4	24:17

DATE	TIME (HT)	TIME (LT)	TIME (HT)	TIME (LT)
1	T	8:50	7:2	10:21
2	F	9:42	7:5	10:48
3	S	10:31	7:8	11:14
4	T	11:19	7:9	11:40
5	M	12:02	8:4	12:07
6	F	1:13	8:8	12:34
7	F	1:57	9:7	13:01
8	T	2:42	9:1	13:27
9	T	3:25	7:3	13:54
10	F	4:07	6:7	14:21
11	S	4:48	6:0	14:47
12	M	5:29	5:3	15:13
13	M	6:00	4:6	15:39
14	T	6:42	3:6	16:05
15	T	7:25	2:4	16:31
16	F	8:07	1:4	16:57
17	F	8:47	0:7	17:23
18	S	9:20	0:3	17:49
19	S	9:58	0:3	18:15
20	M	10:34	0:8	18:41
21	M	11:18	1:8	19:07
22	T	12:01	2:6	19:33
23	T	12:42	3:3	19:59
24	F	1:22	3:8	20:25
25	F	2:02	4:2	20:51
26	S	2:42	4:3	21:17
27	S	3:19	4:3	21:43
28	M	4:08	4:0	22:09
29	T	4:56	3:8	22:35
30	W	5:44	3:8	23:01

DATE	TIME (HT)	TIME (LT)	TIME (HT)	TIME (LT)
1	M	7:20	7:4	10:14
2	T	8:24	7:6	10:41
3	T	9:18	8:0	11:08
4	T	10:05	8:4	11:41
5	F	10:48	8:5	12:14
6	F	12:07	7:5	12:51
7	S	12:53	7:9	13:28
8	M	1:01	8:3	14:05
9	M	1:30	8:6	14:42
10	T	2:02	8:8	15:19
11	T	2:38	8:9	15:56
12	F	3:19	8:8	16:33
13	F	4:10	8:3	17:10
14	S	5:14	8:3	17:47
15	M	6:22	8:1	18:24
16	M	7:32	8:1	19:01
17	T	8:42	8:2	19:38
18	T	9:53	8:5	20:15
19	F	10:53	8:5	20:52
20	F	11:41	8:3	21:29
21	S	12:20	8:4	22:06
22	M	12:48	8:4	22:43
23	T	1:16	8:4	23:20
24	T	1:43	8:2	23:57
25	W	2:11	7:9	24:34
26	F	2:42	7:3	25:11
27	F	3:19	7:3	25:48
28	S	4:08	6:9	26:25
29	M	5:16	6:7	27:02
30	T	6:36	6:7	27:39

DATE	TIME (HT)	TIME (LT)	TIME (HT)	TIME (LT)
1	S	8:02	8:1	10:46
2	F	8:53	8:3	11:23
3	T	9:40	8:6	12:00
4	T	10:23	8:9	12:37
5	T	11:03	9:1	13:14
6	F	12:52	7:3	13:51
7	S	1:49	7:9	14:28
8	S	2:39	8:8	15:05
9	M	3:34	8:6	15:42
10	T	4:20	8:8	16:19
11	T	5:09	8:8	16:56
12	F	6:02	8:4	17:33
13	F	6:47	8:0	18:10
14	S	7:32	7:6	18:47
15	S	8:19	7:4	19:24
16	M	9:02	7:2	20:01
17	T	9:40	6:4	20:38
18	T	10:02	5:6	21:15
19	F	10:56	4:9	21:52
20	F	12:27	3:9	22:29
21	S	1:02	3:1	23:06
22	S	1:35	2:2	23:43
23	M	2:06	1:6	24:20
24	T	2:38	1:0	24:57
25	W	3:09	0:2	25:34
26	W	3:47	0:3	26:11
27	F	4:21	0:7	26:48
28	S	5:09	1:4	27:25

DATE	TIME (HT)	TIME (LT)	TIME (HT)	TIME (LT)
1	T	7:25	8:4	8:53
2	F	8:05	8:7	9:15
3	F	8:44	8:7	9:37
4	T	9:20	8:8	9:59
5	M	10:00	8:8	10:22
6	T	12:18	6:8	10:38
7	T	12:52	7:0	11:15
8	F	1:26	7:1	11:53
9	F	1:59	7:3	12:30
10	S	2:33	7:4	13:07
11	S	3:07	7:6	13:53
12	M	3:41	7:8	14:39
13	T	4:17	8:0	15:25
14	T	4:55	8:3	16:11
15	F	5:24	8:5	16:57
16	F	6:04	9:0	17:43
17	S	6:41	9:4	18:29
18	S	7:17	9:8	19:15
19	M	7:56	10:1	20:01
20	T	8:32	10:5	20:47
21	T	9:08	11:0	21:33
22	F	9:44	11:4	22:19
23	F	10:20	12:0	23:05
24	M	10:54	12:3	23:51
25	M	11:30	12:5	24:37
26	T	12:05	1:0	25:23
27	T	12:41	1:5	26:09
28	F	1:16	2:2	26:55
29	F	1:51	2:9	27:41
30	S	2:19	3:4	28:27