



# Malibu Rapids

British Columbia, Canada

50°10'N 128°51'W

All times have been adjusted for daylight saving time on the appropriate dates.

For use with *Ports and Passes, 2008*.

For detailed instructions on reading these tables, consult page 11 of your *Ports and Passes*.

Malibu Rapids is a unique area for current prediction. The time of change is a reflection on the change of tide at Point Atkinson. The pages that follow calculate the Secondary Adjustment as outlined by the Canadian Hydrographic Service.

Be aware that this differential is the average difference between the two locations and will not reflect the exact time of current change.

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# January 2008 February

DAY	TURN	DIRECTION	DAY	TURN	DIRECTION	DAY	TURN	DIRECTION	DAY	TURN	DIRECTION	
1	1:32a 5:15a 11:38a 7:43p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	16	12:25a 4:51a 11:00a	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	1	3:53a 7:51a 11:25a	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	16	3:35a 8:14a 12:00p 8:25p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	
2	3:14a 6:38a 12:07p 8:25p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	17	2:23a 6:06a 11:38a 7:49p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	2	4:39a 9:27a 12:18p 9:12p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	17	4:28a 9:40a 1:23p 9:27p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	
3	4:22a 8:18a 12:38p 9:06p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	18	3:50a 7:45a 12:25p 8:46p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	3	5:14a 10:23a 1:26p 9:57p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	18	5:09a 10:36a 2:44p 10:20p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	
4	5:07a 9:38a 1:16p 9:46p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	19	4:49a 9:18a 1:24p 9:41p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	4	5:46a 11:01a 2:33p 10:39p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	19	5:43a 11:21a 3:53p 11:06p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	
5	5:42a 10:37a 2:01p 10:25p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	20	5:35a 10:30a 2:30p 10:33p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	5	6:14a 11:33a 3:34p 11:17p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	20	6:11a 12:02p 4:51p 11:47p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	
6	6:16a 11:21a 2:48p 11:02p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	21	6:15a 11:26a 3:36p 11:21p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	6	6:38a 12:06p 4:28p 11:53p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	21	6:36a 12:41p 5:44p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	
7	6:47a 11:58a 3:36p 11:38p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	22	6:50a 12:16p 4:37p	Turn to Ebb Turn to Flood Turn to Ebb	7	7:00a 12:40p 5:20p	Turn to Ebb Turn to Flood Turn to Ebb	22	12:24a 6:59a 1:19p 6:36p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	
8	7:17a 12:34p 4:22p	Turn to Ebb Turn to Flood Turn to Ebb	23	12:05a 7:22a 1:04p 5:34p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	8	12:28a 7:21a 1:18p 6:12p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	23	1:00a 7:22a 1:57p 7:29p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	
9	12:13a 7:45a 1:11p 5:09p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	24	12:45a 7:51a 1:52p 6:28p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	9	1:03a 7:43a 1:59p 7:07p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	24	1:34a 7:44a 2:34p 8:26p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	
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12	1:57a 9:01a 3:23p 7:52p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	27	2:32a 9:10a 4:14p 9:38p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	12	2:56a 9:01a 4:18p 10:47p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	27	3:21a 8:48a 4:34p	Turn to Flood Turn to Ebb Turn to Flood	
13	2:34a 9:28a 4:13p 9:04p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	28	3:06a 9:33a 5:00p 11:10p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	13	3:43a 9:32a 5:13p	Turn to Flood Turn to Ebb Turn to Flood	28	12:07a 4:09a 9:10a 5:23p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	
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15	3:57a 10:27a 5:59p	Turn to Flood Turn to Ebb Turn to Flood	30	12:55a 4:23a 10:20a 6:37p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	15	2:18a 6:20a 10:54a 7:19p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood				
			31	2:38a 5:38a 10:48a 7:29p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood							

MALIBU RAPIDS

# March 2008 April

DAY	TURN	DIRECTION	DAY	TURN	DIRECTION	DAY	TURN	DIRECTION	DAY	TURN	DIRECTION
1	2:48a 7:59a 10:19a 7:24p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	16	3:55a 9:48a 1:08p 9:02p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	1	4:10a 10:34a 2:11p 9:30p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	16	4:20a 11:05a 4:30p 10:31p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood
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MALIBU RAPIDS

# May 2008

# June

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4	4:51a 12:05p 6:50p	Turn to Ebb Turn to Flood Turn to Ebb	19	12:35a 5:01a 12:36p 8:00p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	4	12:54a 5:22a 1:22p 8:44p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	19	1:43a 5:25a 1:22p 9:02p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
5	12:13a 5:23a 12:46p 7:47p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	20	1:17a 5:28a 1:09p 8:39p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	5	1:52a 6:12a 1:59p 9:32p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	20	2:21a 6:05a 1:57p 9:33p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
6	1:04a 5:58a 1:29p 8:44p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	21	1:57a 5:56a 1:42p 9:17p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	6	2:53a 7:06a 2:47p 10:19p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	21	3:03a 6:47a 2:31p 10:03p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
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			31	2:41a 10:12a 4:59p 9:54p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood						

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# July 2008

# August

DAY	TURN	DIRECTION	DAY	TURN	DIRECTION	DAY	TURN	DIRECTION	DAY	TURN	DIRECTION			
1	3:13a 11:19a 7:02p 11:50p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	16	12:10a 3:38a 11:52a 7:36p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	1	12:42a 5:15a 12:45p 7:58p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	16	12:49a 5:22a 12:42p 7:43p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb			
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10	7:26a 1:49p 6:10p	Turn to Flood Turn to Ebb Turn to Flood	25	6:20a 12:33p 5:25p 11:31p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	10	8:06a 4:19p 8:53p	Turn to Flood Turn to Ebb Turn to Flood	25	7:41a 3:53p 8:27p	Turn to Flood Turn to Ebb Turn to Flood			
11	12:19a 8:13a 8:31p 7:26p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	26	7:14a 2:25p 6:30p	Turn to Flood Turn to Ebb Turn to Flood	11	12:13a 9:02a 5:15p 10:20p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	26	12:27a 8:50a 4:53p 9:58p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood			
12	12:49a 9:00a 4:51p 9:02p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	27	12:07a 8:11a 4:03p 7:58p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	12	1:08a 9:56a 5:55p 11:12p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	27	1:49a 9:56a 5:38p 10:59p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood			
13	1:21a 9:45a 5:46p 10:26p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	28	12:53a 9:10a 5:13p 9:33p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	13	2:20a 10:45a 6:29p 11:48p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	28	3:13a 10:54a 6:14p 11:47p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood			
14	1:59a 10:29a 6:28p 11:27p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	29	1:50a 10:10a 6:06p 10:50p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	14	3:30a 11:28a 6:57p	Turn to Ebb Turn to Flood Turn to Ebb	29	4:27a 11:43a 6:43p	Turn to Ebb Turn to Flood Turn to Ebb			
15	2:46a 11:12a 7:04p	Turn to Ebb Turn to Flood Turn to Ebb	30	2:58a 11:06a 6:49p 11:50p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	15	12:18a 4:29a 12:07p 7:22p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	30	12:30a 5:29a 12:27p 7:10p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb			
			31	4:09a 11:58a 7:26p	Turn to Ebb Turn to Flood Turn to Ebb							31	1:12a 6:26a 1:06p 7:34p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb

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# September 2008

# October

DAY	TURN	DIRECTION	DAY	TURN	DIRECTION	DAY	TURN	DIRECTION	DAY	TURN	DIRECTION
1	1:53a 7:21a 1:44p 7:59p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	16	1:23a 7:08a 1:22p 7:20p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	1	1:54a 8:23a 2:03p 7:22p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	16	1:29a 8:13a 1:42p 6:50p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
2	2:33a 8:16a 2:21p 8:23p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	17	2:00a 8:01a 1:59p 7:45p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	2	2:28a 9:15a 2:44p 7:45p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	17	2:09a 9:11a 2:31p 7:23p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
3	3:13a 9:14a 2:58p 8:47p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	18	2:40a 8:59a 2:39p 8:12p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	3	3:03a 10:09a 3:28p 8:08p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	18	2:54a 10:14a 3:28p 8:00p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
4	3:52a 10:18a 3:38p 9:10p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	19	3:22a 10:05a 3:25p 8:42p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	4	3:39a 11:07a 4:22p 8:30p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	19	3:42a 11:20a 4:40p 8:43p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
5	4:32a 11:30a 4:23p 9:33p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	20	4:10a 11:22a 4:22p 9:16p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	5	4:18a 12:09p 5:40p 8:53p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	20	4:37a 12:28p 6:15p 9:41p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
6	5:16a 12:49p 5:24p 9:57p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	21	5:03a 12:47p 5:39p 9:59p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	6	5:03a 1:14p 7:38p 9:19p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	21	5:38a 1:31p 7:55p 11:09p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
7	6:06a 2:09p 7:06p 10:25p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	22	6:05a 2:09p 7:26p 11:01p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	7	5:57a 2:15p	Turn to Flood Turn to Ebb	22	6:45a 2:26p 9:06p	Turn to Flood Turn to Ebb Turn to Flood
8	7:03a 3:22p 9:06p 11:11p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	23	7:15a 3:17p 9:06p	Turn to Flood Turn to Ebb Turn to Flood	8	7:00a 3:06p 9:56p	Turn to Flood Turn to Ebb Turn to Flood	23	1:02a 7:56a 3:10p 9:56p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood
9	8:08a 4:18p 5:31p 10:16p	Turn to Flood Turn to Ebb Turn to Flood	24	12:34a 8:28a 4:09p 10:09p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	9	12:22a 8:09a 3:46p 10:20p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	24	2:46a 9:03a 3:47p 10:36p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood
10	12:36a 9:12a 4:59p 10:52p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	25	2:16a 9:36a 4:49p 10:55p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	10	2:18a 9:13a 4:17p 10:45p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	25	4:08a 10:04a 4:17p 11:11p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood
11	2:15a 10:07a 5:31p 11:20p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	26	3:41a 10:33a 5:20p 11:34p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	11	3:39a 10:08a 4:43p 11:12p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	26	5:14a 10:58a 4:45p 11:44p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood
12	3:35a 10:54a 5:57p 11:48p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	27	4:49a 11:22a 5:47p 12:11a	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	12	4:41a 10:54a 5:06p 11:42p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	27	6:10a 11:46a 5:11p	Turn to Ebb Turn to Flood Turn to Ebb
13	4:35a 11:35a 6:18p	Turn to Ebb Turn to Flood Turn to Ebb	28	5:48a 12:05p 6:12p 12:46a	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	13	5:34a 11:36a 5:29p	Turn to Ebb Turn to Flood Turn to Ebb	28	12:16a 7:00a 12:31p 5:36p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
14	12:17a 5:28a 12:11p 6:38p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	29	6:41a 12:45p 6:35p 1:20a	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	14	12:15a 6:26a 12:17p 5:54p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	29	12:48a 7:45a 1:14p 6:00p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
15	12:49a 6:18a 12:46p 6:58p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	30	7:33a 1:24p 6:59p	Turn to Ebb Turn to Flood Turn to Ebb	15	12:51a 7:18a 12:58p 6:21p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	30	1:20a 8:29a 1:56p 6:25p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
									31	1:52a 9:12a 2:40p 6:49p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb

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# November 2008

# December

DAY	TURN	DIRECTION	DAY	TURN	DIRECTION	DAY	TURN	DIRECTION	DAY	TURN	DIRECTION
1	2:25a 9:56a 3:29p 7:13p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	16	1:34a 9:09a 2:35p 6:37p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	1	1:32a 9:16a 3:19p 6:14p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	16	2:06a 9:31a 3:37p 7:41p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
2	1:59a 9:42a 3:30p 6:38p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	17	2:23a 10:03a 3:52p 7:34p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	2	2:06a 9:52a 4:22p 6:56p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	17	2:52a 10:11a 4:48p 8:57p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
3	2:35a 10:30a 4:50a 7:04p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	18	3:15a 10:55a 5:18p 8:48p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	3	2:42a 10:27a 5:27p 7:55p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	18	3:38a 10:48a 5:54p 10:33p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
4	3:15a 11:19a 6:39p 7:39p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	19	4:09a 11:43a 6:37p 10:26p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	4	3:21a 11:00a 6:20p 9:20p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	19	4:26a 11:23a 6:51p	Turn to Flood Turn to Ebb Turn to Flood
5	4:01a 12:06p 7:41p 9:10p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	20	5:08a 12:26p 7:38p	Turn to Flood Turn to Ebb Turn to Flood	5	4:05a 11:33a 7:01p 11:07p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	20	12:30a 5:22a 11:56a 7:41p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood
6	4:54a 12:48p 8:10p 11:16p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	21	12:22a 6:11a 1:05p 8:25p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	6	4:56a 12:04p 7:38p	Turn to Flood Turn to Ebb Turn to Flood	21	2:25a 6:33a 12:29p 8:25p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood
7	5:57a 1:24p 8:36p	Turn to Flood Turn to Ebb Turn to Flood	22	2:10a 7:21a 1:39p 9:05p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	7	1:06a 5:57a 12:36p 8:15p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	22	3:54a 8:01a 1:02p 9:06p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood
8	1:15a 7:05a 1:55p 9:03p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	23	3:35a 8:31a 2:11p 9:40p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	8	2:44a 7:10a 1:08p 8:53p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	23	4:54a 9:25a 1:37p 9:45p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood
9	2:41a 8:10a 2:23p 9:34p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	24	4:40a 9:37a 2:41p 10:14p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	9	3:56a 8:24a 1:43p 9:33p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	24	5:37a 10:33a 2:13p 10:22p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood
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11	4:44a 10:02a 3:21p 10:43p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	26	6:13a 11:26a 3:39p 11:20p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	11	5:46a 10:34a 3:04p 11:00p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	26	6:45a 12:06p 3:33p 11:34p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood
12	5:37a 10:52a 3:53p 11:22p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	27	6:51a 12:11p 4:08p 11:53p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	12	6:34a 11:31a 3:52p 11:45p	Turn to Ebb Turn to Flood Turn to Ebb Turn to Flood	27	7:16a 12:43p 4:14p	Turn to Ebb Turn to Flood Turn to Ebb
13	6:29a 11:41a 4:28p	Turn to Ebb Turn to Flood Turn to Ebb	28	7:27a 12:54p 4:37p	Turn to Ebb Turn to Flood Turn to Ebb	13	7:20a 12:28p 4:43p	Turn to Ebb Turn to Flood Turn to Ebb	28	12:08a 7:46a 1:19p 4:54p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
14	12:03a 7:21a 12:33p 5:06p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	29	12:26a 8:03a 1:37p 5:08p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	14	12:32a 8:05a 1:26p 5:38p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	29	12:41a 8:15a 1:58p 5:36p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
15	12:47a 8:15a 1:30p 5:49p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	30	12:59a 8:39a 2:24p 5:40p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	15	1:19a 8:49a 2:29p 6:36p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb	30	1:13a 8:42a 2:41p 6:21p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb
									31	1:45a 9:08a 3:26p 7:11p	Turn to Flood Turn to Ebb Turn to Flood Turn to Ebb

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