

## Columbia River entrance, WA - Jul 1833

| Date |     | High  |     |       |     | Low   |      |          |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|----------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM       | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Mon |       |     | 12:47 | 6.4 | 6:08  | -1.0 | 5:51     | 2.8 | 4:34                                                                                | 8:18 |    |
| 2    | Tue |       |     | 1:31  | 6.4 | 6:49  | -1.0 | 6:35     | 2.9 | 4:35                                                                                | 8:18 |    |
| 3    | Wed | 12:32 | 7.7 | 2:12  | 6.4 | 7:26  | -0.8 | 7:18     | 3.0 | 4:36                                                                                | 8:18 |    |
| 4    | Thu | 1:10  | 7.5 | 2:50  | 6.3 | 8:01  | -0.6 | 7:58     | 2.9 | 4:36                                                                                | 8:17 |    |
| 5    | Fri | 1:47  | 7.2 | 3:27  | 6.3 | 8:33  | -0.4 | 8:39     | 2.9 | 4:37                                                                                | 8:17 |    |
| 6    | Sat | 2:26  | 6.8 | 4:02  | 6.2 | 9:04  | -0.1 | 9:21     | 2.8 | 4:38                                                                                | 8:17 |    |
| 7    | Sun | 3:08  | 6.4 | 4:38  | 6.2 | 9:37  | 0.2  | 10:08    | 2.7 | 4:38                                                                                | 8:16 |    |
| 8    | Mon | 3:56  | 5.8 | 5:14  | 6.2 | 10:12 | 0.7  | 11:03    | 2.6 | 4:39                                                                                | 8:16 |    |
| 9    | Tue | 4:54  | 5.3 | 5:54  | 6.4 | 10:53 | 1.1  |          |     | 4:40                                                                                | 8:15 |    |
| 10   | Wed | 6:04  | 4.8 | 6:37  | 6.6 | 12:06 | 2.3  | 11:42 AM | 1.7 | 4:41                                                                                | 8:15 |    |
| 11   | Thu | 7:23  | 4.7 | 7:24  | 6.8 | 1:12  | 1.8  | 12:40    | 2.2 | 4:42                                                                                | 8:14 |    |
| 12   | Fri | 8:40  | 4.8 | 8:13  | 7.2 | 2:16  | 1.2  | 1:41     | 2.5 | 4:43                                                                                | 8:14 |   |
| 13   | Sat | 9:48  | 5.1 | 9:03  | 7.6 | 3:14  | 0.4  | 2:42     | 2.8 | 4:43                                                                                | 8:13 |  |
| 14   | Sun | 10:47 | 5.5 | 9:53  | 8.0 | 4:07  | -0.3 | 3:40     | 2.9 | 4:44                                                                                | 8:12 |  |
| 15   | Mon | 11:40 | 5.9 | 10:44 | 8.3 | 4:58  | -0.9 | 4:36     | 2.9 | 4:45                                                                                | 8:11 |  |
| 16   | Tue |       |     | 12:29 | 6.3 | 5:47  | -1.4 | 5:30     | 2.7 | 4:46                                                                                | 8:11 |  |
| 17   | Wed |       |     | 1:16  | 6.6 | 6:34  | -1.7 | 6:23     | 2.4 | 4:47                                                                                | 8:10 |  |
| 18   | Thu | 12:25 | 8.6 | 2:01  | 6.8 | 7:19  | -1.9 | 7:16     | 2.1 | 4:48                                                                                | 8:09 |  |
| 19   | Fri | 1:16  | 8.5 | 2:46  | 7.0 | 8:04  | -1.8 | 8:08     | 1.8 | 4:49                                                                                | 8:08 |  |
| 20   | Sat | 2:09  | 8.1 | 3:30  | 7.1 | 8:47  | -1.5 | 9:02     | 1.5 | 4:50                                                                                | 8:07 |  |
| 21   | Sun | 3:05  | 7.5 | 4:15  | 7.2 | 9:31  | -1.0 | 9:59     | 1.4 | 4:51                                                                                | 8:06 |  |
| 22   | Mon | 4:04  | 6.8 | 5:02  | 7.3 | 10:16 | -0.3 | 11:02    | 1.2 | 4:53                                                                                | 8:05 |  |
| 23   | Tue | 5:10  | 6.0 | 5:51  | 7.3 | 11:06 | 0.5  |          |     | 4:54                                                                                | 8:04 |  |
| 24   | Wed | 6:23  | 5.4 | 6:43  | 7.4 | 12:11 | 1.0  | 12:01    | 1.3 | 4:55                                                                                | 8:03 |  |
| 25   | Thu | 7:41  | 5.1 | 7:37  | 7.4 | 1:22  | 0.7  | 1:02     | 2.0 | 4:56                                                                                | 8:02 |  |
| 26   | Fri | 8:55  | 5.2 | 8:32  | 7.4 | 2:29  | 0.2  | 2:04     | 2.4 | 4:57                                                                                | 8:01 |  |
| 27   | Sat | 10:01 | 5.5 | 9:24  | 7.5 | 3:29  | -0.2 | 3:03     | 2.7 | 4:58                                                                                | 8:00 |  |
| 28   | Sun | 10:56 | 5.8 | 10:12 | 7.6 | 4:21  | -0.5 | 3:58     | 2.7 | 4:59                                                                                | 7:59 |  |
| 29   | Mon | 11:44 | 6.1 | 10:57 | 7.6 | 5:08  | -0.8 | 4:49     | 2.7 | 5:01                                                                                | 7:57 |  |
| 30   | Tue |       |     | 12:27 | 6.3 | 5:49  | -0.9 | 5:35     | 2.6 | 5:02                                                                                | 7:56 |  |
| 31   | Wed |       |     | 1:06  | 6.3 | 6:27  | -0.8 | 6:18     | 2.5 | 5:03                                                                                | 7:55 |  |