

## Columbia River entrance, WA - Jun 1851

| Date |     | High  |     |       |     | Low   |      |       |     |  |      |  |
|------|-----|-------|-----|-------|-----|-------|------|-------|-----|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft  | Rise                                                                                | Set  | Moon                                                                                |
| 1    | Sun | 12:39 | 8.4 | 2:23  | 6.5 | 7:36  | -1.1 | 7:26  | 2.9 | 4:34                                                                                | 8:06 | ☀                                                                                   |
| 2    | Mon | 1:20  | 8.4 | 3:10  | 6.5 | 8:19  | -1.1 | 8:13  | 3.0 | 4:34                                                                                | 8:07 | ☀                                                                                   |
| 3    | Tue | 2:06  | 8.2 | 3:59  | 6.5 | 9:04  | -1.0 | 9:04  | 3.0 | 4:33                                                                                | 8:08 | ☀                                                                                   |
| 4    | Wed | 2:57  | 7.8 | 4:51  | 6.5 | 9:52  | -0.7 | 10:03 | 3.0 | 4:33                                                                                | 8:09 | ☀                                                                                   |
| 5    | Thu | 3:57  | 7.3 | 5:45  | 6.6 | 10:45 | -0.3 | 11:12 | 2.8 | 4:32                                                                                | 8:10 | ☀                                                                                   |
| 6    | Fri | 5:06  | 6.7 | 6:40  | 6.9 | 11:43 | 0.1  |       |     | 4:32                                                                                | 8:11 | ☀                                                                                   |
| 7    | Sat | 6:24  | 6.2 | 7:34  | 7.2 | 12:26 | 2.4  | 12:44 | 0.5 | 4:31                                                                                | 8:11 | ☀                                                                                   |
| 8    | Sun | 7:44  | 5.9 | 8:26  | 7.6 | 1:39  | 1.7  | 1:43  | 0.9 | 4:31                                                                                | 8:12 | ☀                                                                                   |
| 9    | Mon | 8:58  | 6.0 | 9:14  | 8.0 | 2:45  | 0.8  | 2:39  | 1.2 | 4:31                                                                                | 8:13 | ☀                                                                                   |
| 10   | Tue | 10:04 | 6.1 | 10:00 | 8.3 | 3:43  | 0.1  | 3:32  | 1.5 | 4:30                                                                                | 8:13 | ☀                                                                                   |
| 11   | Wed | 11:03 | 6.3 | 10:43 | 8.5 | 4:36  | -0.6 | 4:22  | 1.9 | 4:30                                                                                | 8:14 | ☀                                                                                   |
| 12   | Thu | 11:56 | 6.5 | 11:24 | 8.5 | 5:25  | -1.0 | 5:10  | 2.2 | 4:30                                                                                | 8:15 | ☀                                                                                   |
| 13   | Fri |       |     | 12:47 | 6.6 | 6:12  | -1.2 | 5:57  | 2.5 | 4:30                                                                                | 8:15 | ☀                                                                                   |
| 14   | Sat | 12:04 | 8.3 | 1:34  | 6.6 | 6:55  | -1.1 | 6:43  | 2.7 | 4:30                                                                                | 8:16 | ☀                                                                                   |
| 15   | Sun | 12:43 | 8.1 | 2:20  | 6.6 | 7:36  | -1.0 | 7:27  | 2.9 | 4:30                                                                                | 8:16 | ☀                                                                                   |
| 16   | Mon | 1:22  | 7.8 | 3:04  | 6.5 | 8:14  | -0.7 | 8:10  | 3.0 | 4:30                                                                                | 8:17 | ☀                                                                                   |
| 17   | Tue | 2:01  | 7.4 | 3:46  | 6.4 | 8:51  | -0.4 | 8:54  | 3.1 | 4:30                                                                                | 8:17 | ☀                                                                                   |
| 18   | Wed | 2:42  | 6.9 | 4:28  | 6.2 | 9:27  | 0.0  | 9:41  | 3.1 | 4:30                                                                                | 8:17 | ☀                                                                                   |
| 19   | Thu | 3:26  | 6.4 | 5:10  | 6.2 | 10:04 | 0.4  | 10:33 | 3.1 | 4:30                                                                                | 8:18 | ☀                                                                                   |
| 20   | Fri | 4:18  | 5.9 | 5:53  | 6.2 | 10:44 | 0.8  | 11:33 | 2.9 | 4:30                                                                                | 8:18 | ☀                                                                                   |
| 21   | Sat | 5:20  | 5.3 | 6:38  | 6.3 | 11:31 | 1.3  |       |     | 4:30                                                                                | 8:18 | ☀                                                                                   |
| 22   | Sun | 6:32  | 5.0 | 7:23  | 6.5 | 12:39 | 2.6  | 12:23 | 1.7 | 4:30                                                                                | 8:18 | ☀                                                                                   |
| 23   | Mon | 7:47  | 4.8 | 8:06  | 6.8 | 1:43  | 2.1  | 1:18  | 2.0 | 4:31                                                                                | 8:19 | ☀                                                                                   |
| 24   | Tue | 8:57  | 5.0 | 8:49  | 7.1 | 2:41  | 1.4  | 2:13  | 2.3 | 4:31                                                                                | 8:19 | ☀                                                                                   |
| 25   | Wed | 10:00 | 5.3 | 9:30  | 7.5 | 3:33  | 0.7  | 3:05  | 2.5 | 4:31                                                                                | 8:19 | ☀                                                                                   |
| 26   | Thu | 10:55 | 5.6 | 10:12 | 7.9 | 4:21  | 0.0  | 3:56  | 2.7 | 4:32                                                                                | 8:19 | ☀                                                                                   |
| 27   | Fri | 11:46 | 6.0 | 10:54 | 8.2 | 5:08  | -0.6 | 4:45  | 2.8 | 4:32                                                                                | 8:19 | ☀                                                                                   |
| 28   | Sat |       |     | 12:35 | 6.3 | 5:53  | -1.0 | 5:35  | 2.8 | 4:33                                                                                | 8:19 | ☀                                                                                   |
| 29   | Sun |       |     | 1:21  | 6.5 | 6:38  | -1.4 | 6:24  | 2.8 | 4:33                                                                                | 8:19 | ☀                                                                                   |
| 30   | Mon | 12:23 | 8.5 | 2:07  | 6.7 | 7:22  | -1.6 | 7:14  | 2.6 | 4:34                                                                                | 8:19 | ☀                                                                                   |