

## Columbia River entrance, WA - Oct 1850

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue | 9:14  | 6.1 | 8:48  | 7.0 | 2:30  | 0.0  | 2:39  | 2.3  | 6:21                                                                                | 6:04 |    |
| 2    | Wed | 10:05 | 6.7 | 9:54  | 7.3 | 3:28  | -0.3 | 3:41  | 1.5  | 6:23                                                                                | 6:02 |    |
| 3    | Thu | 10:50 | 7.3 | 10:51 | 7.6 | 4:18  | -0.6 | 4:36  | 0.7  | 6:24                                                                                | 6:00 |    |
| 4    | Fri | 11:32 | 7.7 | 11:44 | 7.7 | 5:05  | -0.6 | 5:28  | 0.0  | 6:25                                                                                | 5:58 |    |
| 5    | Sat |       |     | 12:11 | 8.0 | 5:48  | -0.4 | 6:16  | -0.5 | 6:27                                                                                | 5:56 |    |
| 6    | Sun | 12:35 | 7.6 | 12:49 | 8.1 | 6:30  | 0.0  | 7:02  | -0.7 | 6:28                                                                                | 5:54 |    |
| 7    | Mon | 1:24  | 7.3 | 1:26  | 8.1 | 7:10  | 0.5  | 7:46  | -0.8 | 6:29                                                                                | 5:52 |    |
| 8    | Tue | 2:13  | 7.0 | 2:02  | 7.9 | 7:49  | 1.1  | 8:29  | -0.6 | 6:31                                                                                | 5:50 |    |
| 9    | Wed | 3:02  | 6.6 | 2:38  | 7.5 | 8:28  | 1.7  | 9:13  | -0.2 | 6:32                                                                                | 5:48 |    |
| 10   | Thu | 3:54  | 6.1 | 3:16  | 7.1 | 9:09  | 2.4  | 9:59  | 0.3  | 6:33                                                                                | 5:46 |    |
| 11   | Fri | 4:51  | 5.7 | 3:59  | 6.6 | 9:56  | 3.0  | 10:53 | 0.8  | 6:35                                                                                | 5:45 |    |
| 12   | Sat | 5:53  | 5.5 | 4:53  | 6.1 | 10:55 | 3.4  | 11:55 | 1.1  | 6:36                                                                                | 5:43 |   |
| 13   | Sun | 6:59  | 5.4 | 6:01  | 5.7 |       |      | 12:06 | 3.6  | 6:37                                                                                | 5:41 |  |
| 14   | Mon | 8:02  | 5.6 | 7:17  | 5.6 | 1:03  | 1.3  | 1:20  | 3.4  | 6:39                                                                                | 5:39 |  |
| 15   | Tue | 8:56  | 6.0 | 8:27  | 5.7 | 2:04  | 1.2  | 2:25  | 2.9  | 6:40                                                                                | 5:37 |  |
| 16   | Wed | 9:41  | 6.4 | 9:26  | 6.0 | 2:55  | 1.0  | 3:19  | 2.2  | 6:41                                                                                | 5:35 |  |
| 17   | Thu | 10:19 | 6.7 | 10:17 | 6.3 | 3:39  | 0.8  | 4:06  | 1.6  | 6:43                                                                                | 5:34 |  |
| 18   | Fri | 10:52 | 7.1 | 11:02 | 6.6 | 4:18  | 0.8  | 4:48  | 1.0  | 6:44                                                                                | 5:32 |  |
| 19   | Sat | 11:23 | 7.3 | 11:45 | 6.8 | 4:55  | 0.8  | 5:28  | 0.4  | 6:46                                                                                | 5:30 |  |
| 20   | Sun | 11:52 | 7.6 |       |     | 5:31  | 0.9  | 6:07  | 0.0  | 6:47                                                                                | 5:28 |  |
| 21   | Mon | 12:28 | 6.9 | 12:21 | 7.8 | 6:06  | 1.2  | 6:45  | -0.3 | 6:48                                                                                | 5:27 |  |
| 22   | Tue | 1:10  | 6.8 | 12:50 | 8.0 | 6:41  | 1.5  | 7:22  | -0.5 | 6:50                                                                                | 5:25 |  |
| 23   | Wed | 1:54  | 6.8 | 1:22  | 8.1 | 7:18  | 1.8  | 8:02  | -0.6 | 6:51                                                                                | 5:23 |  |
| 24   | Thu | 2:41  | 6.6 | 1:59  | 8.1 | 7:56  | 2.2  | 8:44  | -0.5 | 6:53                                                                                | 5:22 |  |
| 25   | Fri | 3:32  | 6.3 | 2:41  | 8.0 | 8:40  | 2.6  | 9:33  | -0.3 | 6:54                                                                                | 5:20 |  |
| 26   | Sat | 4:30  | 6.1 | 3:33  | 7.6 | 9:32  | 3.0  | 10:31 | 0.1  | 6:56                                                                                | 5:18 |  |
| 27   | Sun | 5:34  | 6.0 | 4:37  | 7.1 | 10:38 | 3.3  | 11:40 | 0.4  | 6:57                                                                                | 5:17 |  |
| 28   | Mon | 6:42  | 6.1 | 5:56  | 6.7 | 11:59 | 3.3  |       |      | 6:58                                                                                | 5:15 |  |
| 29   | Tue | 7:47  | 6.4 | 7:22  | 6.5 | 12:53 | 0.5  | 1:21  | 2.8  | 7:00                                                                                | 5:13 |  |
| 30   | Wed | 8:45  | 6.9 | 8:40  | 6.6 | 2:00  | 0.5  | 2:32  | 2.0  | 7:01                                                                                | 5:12 |  |
| 31   | Thu | 9:35  | 7.5 | 9:46  | 6.9 | 2:57  | 0.4  | 3:32  | 1.1  | 7:03                                                                                | 5:10 |  |