

## Columbia River entrance, WA - Jan 1849

| Date |     | High  |     |          |     | Low   |     |       |      |  |      |    |
|------|-----|-------|-----|----------|-----|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM       | ft  | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Mon | 5:10  | 7.5 | 5:10     | 6.4 | 11:12 | 2.8 | 11:06 | 1.5  | 8:06                                                                                | 4:48 |    |
| 2    | Tue | 6:04  | 7.7 | 6:28     | 5.9 |       |     | 12:24 | 2.4  | 8:06                                                                                | 4:49 |    |
| 3    | Wed | 6:58  | 8.0 | 7:52     | 5.9 | 12:06 | 2.1 | 1:36  | 1.7  | 8:06                                                                                | 4:50 |    |
| 4    | Thu | 7:52  | 8.3 | 9:10     | 6.1 | 1:12  | 2.6 | 2:48  | 0.9  | 8:06                                                                                | 4:51 |    |
| 5    | Fri | 8:52  | 8.7 | 10:16    | 6.6 | 2:24  | 2.9 | 3:48  | 0.1  | 8:06                                                                                | 4:52 |    |
| 6    | Sat | 9:46  | 9.1 | 11:16    | 7.1 | 3:24  | 3.0 | 4:42  | -0.5 | 8:06                                                                                | 4:53 |    |
| 7    | Sun | 10:40 | 9.4 |          |     | 4:24  | 2.9 | 5:36  | -1.0 | 8:05                                                                                | 4:54 |    |
| 8    | Mon | 12:10 | 7.5 | 11:28 AM | 9.4 | 5:24  | 2.8 | 6:24  | -1.2 | 8:05                                                                                | 4:55 |    |
| 9    | Tue | 12:58 | 7.8 | 12:22    | 9.3 | 6:18  | 2.7 | 7:06  | -1.2 | 8:05                                                                                | 4:56 |    |
| 10   | Wed | 1:46  | 7.9 | 1:10     | 9.0 | 7:06  | 2.6 | 7:48  | -1.0 | 8:04                                                                                | 4:57 |    |
| 11   | Thu | 2:28  | 8.0 | 1:58     | 8.6 | 7:54  | 2.5 | 8:30  | -0.6 | 8:04                                                                                | 4:59 |    |
| 12   | Fri | 3:16  | 8.0 | 2:46     | 7.9 | 8:48  | 2.4 | 9:12  | 0.0  | 8:03                                                                                | 5:00 |   |
| 13   | Sat | 3:58  | 7.9 | 3:34     | 7.2 | 9:36  | 2.5 | 9:48  | 0.7  | 8:03                                                                                | 5:01 |  |
| 14   | Sun | 4:40  | 7.7 | 4:34     | 6.5 | 10:30 | 2.5 | 10:30 | 1.5  | 8:02                                                                                | 5:02 |  |
| 15   | Mon | 5:22  | 7.6 | 5:34     | 5.8 | 11:30 | 2.5 | 11:18 | 2.2  | 8:02                                                                                | 5:04 |  |
| 16   | Tue | 6:10  | 7.5 | 6:46     | 5.4 |       |     | 12:36 | 2.4  | 8:01                                                                                | 5:05 |  |
| 17   | Wed | 6:58  | 7.4 | 7:58     | 5.3 | 12:12 | 2.8 | 1:42  | 2.1  | 8:00                                                                                | 5:06 |  |
| 18   | Thu | 7:46  | 7.5 | 9:10     | 5.5 | 1:12  | 3.3 | 2:42  | 1.7  | 8:00                                                                                | 5:08 |  |
| 19   | Fri | 8:40  | 7.6 | 10:10    | 5.9 | 2:12  | 3.6 | 3:36  | 1.2  | 7:59                                                                                | 5:09 |  |
| 20   | Sat | 9:28  | 7.8 | 10:58    | 6.3 | 3:06  | 3.7 | 4:24  | 0.7  | 7:58                                                                                | 5:11 |  |
| 21   | Sun | 10:10 | 8.0 | 11:46    | 6.7 | 4:00  | 3.6 | 5:06  | 0.3  | 7:57                                                                                | 5:12 |  |
| 22   | Mon | 10:52 | 8.2 |          |     | 4:48  | 3.5 | 5:42  | 0.0  | 7:56                                                                                | 5:13 |  |
| 23   | Tue | 12:22 | 6.9 | 11:34 AM | 8.3 | 5:30  | 3.3 | 6:18  | -0.2 | 7:56                                                                                | 5:15 |  |
| 24   | Wed | 1:04  | 7.1 | 12:10    | 8.4 | 6:12  | 3.1 | 6:54  | -0.3 | 7:55                                                                                | 5:16 |  |
| 25   | Thu | 1:34  | 7.3 | 12:52    | 8.4 | 6:54  | 2.9 | 7:24  | -0.3 | 7:54                                                                                | 5:18 |  |
| 26   | Fri | 2:10  | 7.4 | 1:28     | 8.2 | 7:36  | 2.6 | 8:00  | -0.2 | 7:53                                                                                | 5:19 |  |
| 27   | Sat | 2:40  | 7.6 | 2:16     | 8.0 | 8:18  | 2.4 | 8:30  | 0.0  | 7:51                                                                                | 5:21 |  |
| 28   | Sun | 3:16  | 7.7 | 2:58     | 7.5 | 9:00  | 2.1 | 9:06  | 0.5  | 7:50                                                                                | 5:22 |  |
| 29   | Mon | 3:52  | 7.9 | 3:52     | 6.9 | 9:48  | 2.0 | 9:48  | 1.1  | 7:49                                                                                | 5:24 |  |
| 30   | Tue | 4:34  | 8.0 | 4:58     | 6.3 | 10:48 | 1.9 | 10:36 | 1.8  | 7:48                                                                                | 5:25 |  |
| 31   | Wed | 5:22  | 8.0 | 6:16     | 5.8 |       |     | 12:00 | 1.7  | 7:47                                                                                | 5:26 |  |