

## Columbia River entrance, WA - Aug 1863

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Sat | 1:07  | 8.2 | 2:08  | 7.5 | 7:34  | -1.5 | 7:52  | 0.6  | 5:04                                                                                | 7:54 |    |
| 2    | Sun | 1:59  | 7.7 | 2:49  | 7.7 | 8:14  | -1.0 | 8:43  | 0.4  | 5:05                                                                                | 7:53 |    |
| 3    | Mon | 2:52  | 7.1 | 3:29  | 7.7 | 8:54  | -0.4 | 9:35  | 0.4  | 5:06                                                                                | 7:51 |    |
| 4    | Tue | 3:47  | 6.4 | 4:11  | 7.5 | 9:34  | 0.4  | 10:30 | 0.5  | 5:08                                                                                | 7:50 |    |
| 5    | Wed | 4:47  | 5.7 | 4:56  | 7.3 | 10:17 | 1.3  | 11:32 | 0.7  | 5:09                                                                                | 7:48 |    |
| 6    | Thu | 5:54  | 5.1 | 5:46  | 7.0 | 11:07 | 2.1  |       |      | 5:10                                                                                | 7:47 |    |
| 7    | Fri | 7:07  | 4.8 | 6:42  | 6.8 | 12:39 | 0.7  | 12:08 | 2.7  | 5:11                                                                                | 7:46 |    |
| 8    | Sat | 8:21  | 4.8 | 7:43  | 6.7 | 1:49  | 0.6  | 1:16  | 3.1  | 5:12                                                                                | 7:44 |    |
| 9    | Sun | 9:26  | 5.1 | 8:43  | 6.7 | 2:51  | 0.4  | 2:23  | 3.1  | 5:14                                                                                | 7:43 |    |
| 10   | Mon | 10:20 | 5.5 | 9:37  | 6.8 | 3:44  | 0.1  | 3:21  | 2.9  | 5:15                                                                                | 7:41 |    |
| 11   | Tue | 11:05 | 5.9 | 10:25 | 6.9 | 4:30  | -0.2 | 4:13  | 2.6  | 5:16                                                                                | 7:39 |    |
| 12   | Wed | 11:43 | 6.1 | 11:08 | 7.0 | 5:09  | -0.4 | 4:59  | 2.2  | 5:17                                                                                | 7:38 |    |
| 13   | Thu |       |     | 12:18 | 6.3 | 5:44  | -0.5 | 5:41  | 1.9  | 5:19                                                                                | 7:36 |   |
| 14   | Fri |       |     | 12:50 | 6.5 | 6:17  | -0.5 | 6:21  | 1.6  | 5:20                                                                                | 7:35 |  |
| 15   | Sat | 12:25 | 7.0 | 1:19  | 6.6 | 6:47  | -0.4 | 6:59  | 1.3  | 5:21                                                                                | 7:33 |  |
| 16   | Sun | 1:03  | 6.8 | 1:46  | 6.8 | 7:16  | -0.2 | 7:35  | 1.0  | 5:22                                                                                | 7:31 |  |
| 17   | Mon | 1:41  | 6.6 | 2:11  | 6.9 | 7:44  | 0.1  | 8:11  | 0.8  | 5:24                                                                                | 7:30 |  |
| 18   | Tue | 2:21  | 6.3 | 2:38  | 7.1 | 8:12  | 0.5  | 8:48  | 0.7  | 5:25                                                                                | 7:28 |  |
| 19   | Wed | 3:04  | 5.9 | 3:09  | 7.3 | 8:43  | 0.9  | 9:30  | 0.6  | 5:26                                                                                | 7:26 |  |
| 20   | Thu | 3:55  | 5.4 | 3:47  | 7.3 | 9:19  | 1.5  | 10:23 | 0.6  | 5:28                                                                                | 7:24 |  |
| 21   | Fri | 4:59  | 4.9 | 4:35  | 7.3 | 10:04 | 2.1  | 11:30 | 0.7  | 5:29                                                                                | 7:23 |  |
| 22   | Sat | 6:17  | 4.6 | 5:35  | 7.2 | 11:05 | 2.7  |       |      | 5:30                                                                                | 7:21 |  |
| 23   | Sun | 7:40  | 4.6 | 6:47  | 7.2 | 12:51 | 0.5  | 12:26 | 3.0  | 5:31                                                                                | 7:19 |  |
| 24   | Mon | 8:54  | 5.0 | 8:04  | 7.3 | 2:07  | 0.1  | 1:50  | 2.9  | 5:33                                                                                | 7:17 |  |
| 25   | Tue | 9:55  | 5.6 | 9:15  | 7.6 | 3:12  | -0.4 | 3:03  | 2.4  | 5:34                                                                                | 7:16 |  |
| 26   | Wed | 10:45 | 6.2 | 10:17 | 7.9 | 4:07  | -0.9 | 4:05  | 1.7  | 5:35                                                                                | 7:14 |  |
| 27   | Thu | 11:30 | 6.8 | 11:14 | 8.0 | 4:56  | -1.2 | 5:02  | 1.0  | 5:36                                                                                | 7:12 |  |
| 28   | Fri |       |     | 12:12 | 7.3 | 5:41  | -1.3 | 5:55  | 0.3  | 5:38                                                                                | 7:10 |  |
| 29   | Sat | 12:07 | 8.0 | 12:52 | 7.6 | 6:24  | -1.1 | 6:45  | -0.1 | 5:39                                                                                | 7:08 |  |
| 30   | Sun | 12:58 | 7.7 | 1:30  | 7.8 | 7:04  | -0.8 | 7:33  | -0.4 | 5:40                                                                                | 7:06 |  |
| 31   | Mon | 1:48  | 7.3 | 2:08  | 7.8 | 7:43  | -0.2 | 8:20  | -0.5 | 5:42                                                                                | 7:05 |  |