

## Columbia River entrance, WA - Dec 1899

| Date |     | High  |     |          |     | Low   |     |       |      |  |      |    |
|------|-----|-------|-----|----------|-----|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM       | ft  | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Fri | 10:35 | 8.5 |          |     | 4:27  | 3.4 | 5:31  | -0.4 | 7:39                                                                                | 4:32 |    |
| 2    | Sat | 12:16 | 6.6 | 11:14 AM | 8.8 | 5:13  | 3.5 | 6:14  | -0.7 | 7:40                                                                                | 4:31 |    |
| 3    | Sun | 1:01  | 6.8 | 11:55 AM | 8.9 | 5:58  | 3.5 | 6:56  | -0.9 | 7:41                                                                                | 4:31 |    |
| 4    | Mon | 1:45  | 6.9 | 12:38    | 9.0 | 6:45  | 3.5 | 7:38  | -1.0 | 7:42                                                                                | 4:31 |    |
| 5    | Tue | 2:29  | 7.0 | 1:25     | 8.8 | 7:32  | 3.3 | 8:20  | -0.9 | 7:43                                                                                | 4:30 |    |
| 6    | Wed | 3:13  | 7.1 | 2:15     | 8.5 | 8:22  | 3.2 | 9:03  | -0.6 | 7:44                                                                                | 4:30 |    |
| 7    | Thu | 3:58  | 7.2 | 3:10     | 7.9 | 9:17  | 3.0 | 9:48  | -0.1 | 7:45                                                                                | 4:30 |    |
| 8    | Fri | 4:45  | 7.3 | 4:13     | 7.2 | 10:19 | 2.8 | 10:37 | 0.5  | 7:46                                                                                | 4:30 |    |
| 9    | Sat | 5:35  | 7.5 | 5:26     | 6.5 | 11:28 | 2.5 | 11:31 | 1.2  | 7:47                                                                                | 4:30 |    |
| 10   | Sun | 6:26  | 7.8 | 6:46     | 6.0 |       |     | 12:42 | 2.0  | 7:48                                                                                | 4:30 |   |
| 11   | Mon | 7:20  | 8.1 | 8:07     | 5.8 | 12:31 | 1.9 | 1:54  | 1.3  | 7:49                                                                                | 4:30 |  |
| 12   | Tue | 8:12  | 8.4 | 9:21     | 6.0 | 1:33  | 2.4 | 2:58  | 0.5  | 7:50                                                                                | 4:30 |  |
| 13   | Wed | 9:03  | 8.7 | 10:25    | 6.4 | 2:32  | 2.8 | 3:55  | -0.1 | 7:51                                                                                | 4:30 |  |
| 14   | Thu | 9:51  | 8.9 | 11:21    | 6.7 | 3:29  | 3.1 | 4:46  | -0.5 | 7:52                                                                                | 4:30 |  |
| 15   | Fri | 10:37 | 8.9 |          |     | 4:22  | 3.3 | 5:33  | -0.8 | 7:52                                                                                | 4:30 |  |
| 16   | Sat | 12:10 | 7.0 | 11:20 AM | 8.9 | 5:12  | 3.4 | 6:17  | -0.8 | 7:53                                                                                | 4:30 |  |
| 17   | Sun | 12:56 | 7.2 | 12:02    | 8.7 | 6:00  | 3.5 | 6:58  | -0.7 | 7:54                                                                                | 4:31 |  |
| 18   | Mon | 1:39  | 7.2 | 12:42    | 8.4 | 6:45  | 3.5 | 7:35  | -0.4 | 7:54                                                                                | 4:31 |  |
| 19   | Tue | 2:19  | 7.2 | 1:21     | 8.1 | 7:28  | 3.4 | 8:09  | -0.1 | 7:55                                                                                | 4:31 |  |
| 20   | Wed | 2:57  | 7.2 | 2:00     | 7.7 | 8:10  | 3.4 | 8:41  | 0.2  | 7:56                                                                                | 4:32 |  |
| 21   | Thu | 3:33  | 7.1 | 2:40     | 7.2 | 8:52  | 3.3 | 9:12  | 0.7  | 7:56                                                                                | 4:32 |  |
| 22   | Fri | 4:08  | 7.1 | 3:24     | 6.6 | 9:36  | 3.2 | 9:43  | 1.2  | 7:57                                                                                | 4:33 |  |
| 23   | Sat | 4:43  | 7.1 | 4:16     | 6.0 | 10:26 | 3.1 | 10:17 | 1.7  | 7:57                                                                                | 4:33 |  |
| 24   | Sun | 5:19  | 7.1 | 5:20     | 5.4 | 11:24 | 3.0 | 10:59 | 2.4  | 7:57                                                                                | 4:34 |  |
| 25   | Mon | 6:00  | 7.2 | 6:38     | 5.0 |       |     | 12:31 | 2.7  | 7:58                                                                                | 4:35 |  |
| 26   | Tue | 6:44  | 7.4 | 8:02     | 5.0 |       |     | 1:38  | 2.2  | 7:58                                                                                | 4:35 |  |
| 27   | Wed | 7:33  | 7.6 | 9:17     | 5.3 | 12:53 | 3.5 | 2:40  | 1.6  | 7:58                                                                                | 4:36 |  |
| 28   | Thu | 8:24  | 8.0 | 10:20    | 5.8 | 1:58  | 3.9 | 3:35  | 0.9  | 7:59                                                                                | 4:37 |  |
| 29   | Fri | 9:15  | 8.3 | 11:13    | 6.2 | 3:00  | 4.0 | 4:25  | 0.2  | 7:59                                                                                | 4:38 |  |
| 30   | Sat | 10:04 | 8.7 |          |     | 3:57  | 4.0 | 5:12  | -0.3 | 7:59                                                                                | 4:38 |  |

| Date |     | High  |     |          |     | Low  |     |      |      |  |  |                                                                                     |
|------|-----|-------|-----|----------|-----|------|-----|------|------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM       | ft  | AM   | ft  | PM   | ft   | Rise                                                                               | Set                                                                                | Moon                                                                                |
| 31   | Sun | 12:00 | 6.7 | 10:53 AM | 9.0 | 4:52 | 3.8 | 5:56 | -0.8 | 7:59                                                                               | 4:39                                                                               |  |