

## Columbia River entrance, WA - Jul 1838

| Date |     | High  |     |       |     | Low   |      |          |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|----------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM       | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Sun | 7:33  | 4.4 | 7:25  | 6.8 | 1:20  | 1.8  | 12:40    | 2.5 | 4:34                                                                                | 8:18 |    |
| 2    | Mon | 8:50  | 4.5 | 8:09  | 7.1 | 2:20  | 1.2  | 1:37     | 3.0 | 4:35                                                                                | 8:18 |    |
| 3    | Tue | 9:58  | 4.8 | 8:54  | 7.4 | 3:16  | 0.6  | 2:35     | 3.4 | 4:35                                                                                | 8:18 |    |
| 4    | Wed | 10:56 | 5.2 | 9:40  | 7.7 | 4:07  | 0.0  | 3:31     | 3.6 | 4:36                                                                                | 8:18 |    |
| 5    | Thu | 11:48 | 5.6 | 10:27 | 8.0 | 4:55  | -0.5 | 4:25     | 3.7 | 4:37                                                                                | 8:17 |    |
| 6    | Fri |       |     | 12:35 | 5.9 | 5:42  | -1.0 | 5:18     | 3.6 | 4:38                                                                                | 8:17 |    |
| 7    | Sat |       |     | 1:18  | 6.1 | 6:27  | -1.4 | 6:09     | 3.3 | 4:38                                                                                | 8:16 |    |
| 8    | Sun | 12:04 | 8.4 | 2:00  | 6.3 | 7:10  | -1.6 | 6:59     | 3.0 | 4:39                                                                                | 8:16 |    |
| 9    | Mon | 12:53 | 8.4 | 2:41  | 6.5 | 7:51  | -1.7 | 7:49     | 2.6 | 4:40                                                                                | 8:15 |    |
| 10   | Tue | 1:43  | 8.2 | 3:20  | 6.7 | 8:32  | -1.5 | 8:40     | 2.2 | 4:41                                                                                | 8:15 |    |
| 11   | Wed | 2:36  | 7.7 | 4:00  | 6.9 | 9:12  | -1.1 | 9:34     | 1.8 | 4:42                                                                                | 8:14 |    |
| 12   | Thu | 3:33  | 7.0 | 4:42  | 7.2 | 9:53  | -0.5 | 10:34    | 1.5 | 4:42                                                                                | 8:14 |   |
| 13   | Fri | 4:37  | 6.2 | 5:26  | 7.4 | 10:36 | 0.2  | 11:41    | 1.1 | 4:43                                                                                | 8:13 |  |
| 14   | Sat | 5:48  | 5.5 | 6:13  | 7.5 | 11:25 | 1.1  |          |     | 4:44                                                                                | 8:12 |  |
| 15   | Sun | 7:07  | 5.0 | 7:04  | 7.7 | 12:52 | 0.7  | 12:22    | 2.0 | 4:45                                                                                | 8:12 |  |
| 16   | Mon | 8:28  | 4.9 | 7:59  | 7.8 | 2:02  | 0.2  | 1:25     | 2.6 | 4:46                                                                                | 8:11 |  |
| 17   | Tue | 9:42  | 5.2 | 8:54  | 7.8 | 3:07  | -0.3 | 2:30     | 3.1 | 4:47                                                                                | 8:10 |  |
| 18   | Wed | 10:45 | 5.6 | 9:48  | 7.9 | 4:05  | -0.7 | 3:32     | 3.2 | 4:48                                                                                | 8:09 |  |
| 19   | Thu | 11:38 | 5.9 | 10:39 | 7.8 | 4:58  | -1.0 | 4:29     | 3.2 | 4:49                                                                                | 8:08 |  |
| 20   | Fri |       |     | 12:25 | 6.1 | 5:45  | -1.1 | 5:22     | 3.1 | 4:50                                                                                | 8:07 |  |
| 21   | Sat |       |     | 1:08  | 6.3 | 6:28  | -1.1 | 6:10     | 2.9 | 4:51                                                                                | 8:06 |  |
| 22   | Sun | 12:11 | 7.6 | 1:46  | 6.3 | 7:06  | -1.0 | 6:55     | 2.7 | 4:52                                                                                | 8:05 |  |
| 23   | Mon | 12:52 | 7.4 | 2:22  | 6.3 | 7:40  | -0.8 | 7:37     | 2.5 | 4:53                                                                                | 8:04 |  |
| 24   | Tue | 1:32  | 7.0 | 2:54  | 6.3 | 8:10  | -0.5 | 8:16     | 2.3 | 4:55                                                                                | 8:03 |  |
| 25   | Wed | 2:12  | 6.6 | 3:23  | 6.3 | 8:38  | -0.2 | 8:56     | 2.1 | 4:56                                                                                | 8:02 |  |
| 26   | Thu | 2:53  | 6.1 | 3:51  | 6.4 | 9:05  | 0.3  | 9:37     | 1.9 | 4:57                                                                                | 8:01 |  |
| 27   | Fri | 3:37  | 5.5 | 4:19  | 6.5 | 9:32  | 0.8  | 10:23    | 1.8 | 4:58                                                                                | 8:00 |  |
| 28   | Sat | 4:30  | 4.9 | 4:49  | 6.6 | 10:04 | 1.5  | 11:17    | 1.7 | 4:59                                                                                | 7:59 |  |
| 29   | Sun | 5:35  | 4.4 | 5:27  | 6.6 | 10:43 | 2.2  |          |     | 5:00                                                                                | 7:58 |  |
| 30   | Mon | 6:57  | 4.1 | 6:13  | 6.7 | 12:22 | 1.5  | 11:35 AM | 2.9 | 5:01                                                                                | 7:56 |  |
| 31   | Tue | 8:22  | 4.2 | 7:08  | 6.9 | 1:33  | 1.1  | 12:43    | 3.5 | 5:03                                                                                | 7:55 |  |