

## Columbia River entrance, WA - Jul 1988

| Date |     | High  |     |       |     | Low   |      |       |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Fri | 1:40  | 8.6 | 3:33  | 6.5 | 8:43  | -1.7 | 8:36  | 2.8 | 5:28                                                                                | 9:11 |    |
| 2    | Sat | 2:32  | 8.4 | 4:14  | 6.7 | 9:25  | -1.6 | 9:29  | 2.4 | 5:29                                                                                | 9:11 |    |
| 3    | Sun | 3:25  | 7.9 | 4:56  | 6.9 | 10:07 | -1.3 | 10:24 | 2.0 | 5:29                                                                                | 9:11 |    |
| 4    | Mon | 4:22  | 7.3 | 5:38  | 7.1 | 10:48 | -0.7 | 11:24 | 1.6 | 5:30                                                                                | 9:10 |    |
| 5    | Tue | 5:24  | 6.5 | 6:23  | 7.3 | 11:32 | 0.0  |       |     | 5:31                                                                                | 9:10 |    |
| 6    | Wed | 6:33  | 5.7 | 7:09  | 7.5 | 12:29 | 1.3  | 12:20 | 0.9 | 5:31                                                                                | 9:10 |    |
| 7    | Thu | 7:50  | 5.2 | 7:59  | 7.7 | 1:39  | 0.9  | 1:14  | 1.7 | 5:32                                                                                | 9:09 |    |
| 8    | Fri | 9:10  | 5.0 | 8:51  | 7.8 | 2:49  | 0.4  | 2:14  | 2.4 | 5:33                                                                                | 9:09 |    |
| 9    | Sat | 10:25 | 5.1 | 9:44  | 7.8 | 3:54  | -0.1 | 3:16  | 2.9 | 5:34                                                                                | 9:08 |    |
| 10   | Sun | 11:30 | 5.5 | 10:36 | 7.8 | 4:53  | -0.5 | 4:17  | 3.2 | 5:35                                                                                | 9:08 |    |
| 11   | Mon |       |     | 12:25 | 5.8 | 5:45  | -0.8 | 5:14  | 3.3 | 5:36                                                                                | 9:07 |    |
| 12   | Tue |       |     | 1:14  | 6.0 | 6:33  | -1.0 | 6:07  | 3.3 | 5:36                                                                                | 9:06 |   |
| 13   | Wed | 12:12 | 7.7 | 1:57  | 6.2 | 7:16  | -1.0 | 6:55  | 3.2 | 5:37                                                                                | 9:06 |  |
| 14   | Thu | 12:56 | 7.6 | 2:37  | 6.3 | 7:55  | -0.9 | 7:40  | 3.0 | 5:38                                                                                | 9:05 |  |
| 15   | Fri | 1:36  | 7.4 | 3:13  | 6.3 | 8:30  | -0.8 | 8:22  | 2.8 | 5:39                                                                                | 9:04 |  |
| 16   | Sat | 2:16  | 7.1 | 3:46  | 6.3 | 9:01  | -0.6 | 9:02  | 2.5 | 5:40                                                                                | 9:03 |  |
| 17   | Sun | 2:54  | 6.8 | 4:16  | 6.3 | 9:29  | -0.3 | 9:41  | 2.3 | 5:41                                                                                | 9:03 |  |
| 18   | Mon | 3:34  | 6.3 | 4:44  | 6.4 | 9:56  | 0.1  | 10:21 | 2.1 | 5:42                                                                                | 9:02 |  |
| 19   | Tue | 4:16  | 5.8 | 5:11  | 6.5 | 10:23 | 0.5  | 11:05 | 2.0 | 5:43                                                                                | 9:01 |  |
| 20   | Wed | 5:05  | 5.2 | 5:41  | 6.6 | 10:53 | 1.1  | 11:56 | 1.8 | 5:44                                                                                | 9:00 |  |
| 21   | Thu | 6:05  | 4.7 | 6:16  | 6.7 | 11:29 | 1.8  |       |     | 5:45                                                                                | 8:59 |  |
| 22   | Fri | 7:21  | 4.3 | 6:58  | 6.9 | 12:58 | 1.6  | 12:15 | 2.6 | 5:47                                                                                | 8:58 |  |
| 23   | Sat | 8:48  | 4.2 | 7:50  | 7.0 | 2:08  | 1.2  | 1:16  | 3.2 | 5:48                                                                                | 8:57 |  |
| 24   | Sun | 10:09 | 4.4 | 8:49  | 7.2 | 3:17  | 0.7  | 2:29  | 3.6 | 5:49                                                                                | 8:56 |  |
| 25   | Mon | 11:16 | 4.9 | 9:51  | 7.5 | 4:20  | 0.1  | 3:41  | 3.7 | 5:50                                                                                | 8:55 |  |
| 26   | Tue |       |     | 12:11 | 5.4 | 5:16  | -0.5 | 4:46  | 3.6 | 5:51                                                                                | 8:54 |  |
| 27   | Wed |       |     | 12:57 | 5.8 | 6:07  | -1.1 | 5:45  | 3.2 | 5:52                                                                                | 8:52 |  |
| 28   | Thu |       |     | 1:40  | 6.2 | 6:55  | -1.6 | 6:41  | 2.7 | 5:53                                                                                | 8:51 |  |
| 29   | Fri | 12:43 | 8.4 | 2:21  | 6.5 | 7:39  | -1.8 | 7:33  | 2.1 | 5:55                                                                                | 8:50 |  |
| 30   | Sat | 1:35  | 8.4 | 2:59  | 6.9 | 8:20  | -1.9 | 8:25  | 1.5 | 5:56                                                                                | 8:49 |  |
| 31   | Sun | 2:27  | 8.1 | 3:38  | 7.2 | 9:00  | -1.6 | 9:16  | 1.0 | 5:57                                                                                | 8:47 |  |