

*Kaulana Mahina*

# Hawai'i Lunar Calendar

January 3, 2022 - January 21, 2023



Western Pacific  
Regional Fishery  
Management Council

WPCOUNCIL.ORG

**January, 2022**

|    |         |         |
|----|---------|---------|
| 3  | R 08:22 | S 19:30 |
| 4  | R 09:17 | S 20:35 |
| 5  | R 10:04 | S 21:36 |
| 6  | R 10:46 | S 22:33 |
| 7  | R 11:23 | S 23:27 |
| 8  | R 11:57 |         |
| 9  | S 00:20 | R 12:31 |
| 10 | S 01:13 | R 13:04 |
| 11 | S 02:04 | R 13:39 |
| 12 | S 02:55 | R 14:15 |
| 13 | S 03:47 | R 14:56 |
| 14 | S 04:40 | R 15:40 |
| 15 | S 05:33 | R 16:28 |
| 16 | S 06:25 | R 17:20 |
| 17 | S 07:14 | R 18:14 |
| 18 | S 08:00 | R 19:09 |
| 19 | S 08:42 | R 20:04 |
| 20 | S 09:21 | R 20:59 |
| 21 | S 09:58 | R 21:53 |
| 22 | S 10:33 | R 22:47 |
| 23 | S 11:08 | R 23:42 |
| 24 | S 11:44 |         |
| 25 | R 00:39 | S 12:23 |
| 26 | R 01:40 | S 13:07 |
| 27 | R 02:45 | S 13:56 |
| 28 | R 03:52 | S 14:52 |
| 29 | R 04:59 | S 15:55 |
| 30 | R 06:03 | S 17:02 |
| 31 | R 07:00 | S 18:13 |

**February**

|    |         |         |
|----|---------|---------|
| 1  | R 07:51 | S 19:17 |
| 2  | R 08:37 | S 20:17 |
| 3  | R 09:17 | S 21:14 |
| 4  | R 09:53 | S 22:08 |
| 5  | R 10:28 | S 23:01 |
| 6  | R 11:02 | S 23:54 |
| 7  | R 11:36 |         |
| 8  | S 00:47 | R 12:13 |
| 9  | S 01:40 | R 12:52 |
| 10 | S 02:33 | R 13:35 |
| 11 | S 03:26 | R 14:22 |
| 12 | S 04:18 | R 15:12 |
| 13 | S 05:08 | R 16:06 |
| 14 | S 05:55 | R 17:01 |
| 15 | S 06:39 | R 17:57 |
| 16 | S 07:20 | R 18:53 |
| 17 | S 07:58 | R 19:48 |
| 18 | S 08:34 | R 20:43 |
| 19 | S 09:09 | R 21:38 |

|    |         |         |
|----|---------|---------|
| 20 | S 09:45 | R 22:35 |
| 21 | S 10:23 | R 23:34 |
| 22 | S 11:04 |         |
| 23 | R 00:36 | S 11:51 |
| 24 | R 01:42 | S 12:43 |
| 25 | R 02:47 | S 13:42 |
| 26 | R 03:50 | S 14:45 |
| 27 | R 04:49 | S 15:51 |
| 28 | R 05:41 | S 16:57 |

**March**

|    |         |         |
|----|---------|---------|
| 1  | R 06:28 | S 17:59 |
| 2  | R 07:09 | S 18:58 |
| 3  | R 07:47 | S 19:54 |
| 4  | R 08:23 | S 20:48 |
| 5  | R 08:57 | S 21:42 |
| 6  | R 09:32 | S 22:35 |
| 7  | R 10:08 | S 23:29 |
| 8  | R 10:47 |         |
| 9  | S 00:23 | R 11:28 |
| 10 | S 01:17 | R 12:14 |
| 11 | S 02:10 | R 13:03 |
| 12 | S 03:01 | R 13:55 |
| 13 | S 03:49 | R 14:50 |
| 14 | S 04:34 | R 15:45 |
| 15 | S 05:16 | R 16:41 |
| 16 | S 05:55 | R 17:37 |
| 17 | S 06:32 | R 18:33 |
| 18 | S 07:08 | R 19:29 |
| 19 | S 07:44 | R 20:27 |
| 20 | S 08:22 | R 21:27 |
| 21 | S 09:03 | R 22:29 |
| 22 | S 09:48 | R 23:33 |
| 23 | S 10:39 |         |
| 24 | R 00:40 | S 11:36 |
| 25 | R 01:45 | S 12:37 |
| 26 | R 02:44 | S 13:41 |
| 27 | R 03:37 | S 14:46 |
| 28 | R 04:23 | S 15:48 |
| 29 | R 05:05 | S 16:47 |
| 30 | R 05:43 | S 17:44 |
| 31 | R 06:19 | S 18:39 |

**April**

|   |         |         |
|---|---------|---------|
| 1 | R 06:54 | S 19:30 |
| 2 | R 07:28 | S 20:24 |
| 3 | R 08:04 | S 21:18 |
| 4 | R 08:41 | S 22:12 |
| 5 | R 09:22 | S 23:07 |
| 6 | R 10:6  |         |
| 7 | S 00:01 | R 10:54 |
| 8 | S 00:53 | R 11:45 |

|    |         |         |
|----|---------|---------|
| 9  | S 01:42 | R 12:38 |
| 10 | S 02:28 | R 13:33 |
| 11 | S 03:10 | R 14:28 |
| 12 | S 03:50 | R 15:24 |
| 13 | S 04:27 | R 16:19 |
| 14 | S 05:03 | R 17:15 |
| 15 | S 05:39 | R 18:13 |
| 16 | S 06:17 | R 19:13 |
| 17 | S 06:57 | R 20:16 |
| 18 | S 07:42 | R 21:22 |
| 19 | S 08:32 | R 22:29 |
| 20 | S 09:28 | R 23:35 |
| 21 | S 10:30 |         |
| 22 | R 00:39 | S 11:35 |
| 23 | R 01:35 | S 12:39 |
| 24 | R 02:23 | S 13:41 |
| 25 | R 03:05 | S 14:41 |
| 26 | R 03:43 | S 15:37 |
| 27 | R 04:19 | S 16:31 |
| 28 | R 04:52 | S 17:25 |
| 29 | R 05:26 | S 18:17 |
| 30 | R 06:02 | S 19:09 |

**May**

|    |         |         |
|----|---------|---------|
| 1  | R 06:38 | S 20:03 |
| 2  | R 07:18 | S 20:58 |
| 3  | R 08:01 | S 21:52 |
| 4  | R 08:47 | S 22:45 |
| 5  | R 09:37 | S 23:35 |
| 6  | R 10:29 |         |
| 7  | S 00:22 | R 11:23 |
| 8  | S 01:05 | R 12:17 |
| 9  | S 01:45 | R 13:11 |
| 10 | S 02:23 | R 14:06 |
| 11 | S 02:58 | R 15:00 |
| 12 | S 03:34 | R 15:56 |
| 13 | S 04:10 | R 16:55 |
| 14 | S 04:49 | R 17:55 |
| 15 | S 05:31 | R 19:02 |
| 16 | S 06:20 | R 20:11 |
| 17 | S 07:15 | R 21:20 |
| 18 | S 08:17 | R 22:27 |
| 19 | S 09:23 | R 23:27 |
| 20 | S 10:30 |         |
| 21 | R 00:20 | S 11:34 |
| 22 | R 01:06 | S 12:36 |
| 23 | R 01:45 | S 13:33 |
| 24 | R 02:21 | S 14:28 |
| 25 | R 02:54 | S 15:21 |
| 26 | R 03:28 | S 16:13 |
| 27 | R 04:02 | S 17:05 |

|    |         |         |
|----|---------|---------|
| 28 | R 04:37 | S 17:58 |
| 29 | R 05:16 | S 18:52 |
| 30 | R 05:57 | S 19:46 |
| 31 | R 06:43 | S 20:39 |

**June**

|    |         |         |
|----|---------|---------|
| 1  | R 07:31 | S 21:30 |
| 2  | R 08:23 | S 22:18 |
| 3  | R 09:16 | S 23:02 |
| 4  | R 10:10 | S 23:42 |
| 5  | R 11:03 |         |
| 6  | S 00:19 | R 11:56 |
| 7  | S 00:56 | R 12:49 |
| 8  | S 01:30 | R 13:43 |
| 9  | S 02:05 | R 14:38 |
| 10 | S 02:41 | R 15:37 |
| 11 | S 03:21 | R 16:39 |
| 12 | S 04:05 | R 17:46 |
| 13 | S 04:57 | R 18:56 |
| 14 | S 05:57 | R 20:06 |
| 15 | S 07:03 | R 21:12 |
| 16 | S 08:12 | R 22:10 |
| 17 | S 09:20 | R 23:00 |
| 18 | S 10:25 | R 23:44 |
| 19 | S 11:26 |         |
| 20 | R 00:22 | S 12:23 |
| 21 | R 00:56 | S 13:17 |
| 22 | R 01:30 | S 14:09 |
| 23 | R 02:03 | S 15:01 |
| 24 | R 02:38 | S 15:54 |
| 25 | R 03:15 | S 16:47 |
| 26 | R 03:56 | S 17:41 |
| 27 | R 04:40 | S 18:34 |
| 28 | R 05:28 | S 19:26 |
| 29 | R 06:18 | S 20:15 |
| 30 | R 07:11 | S 21:00 |

**July**

|    |         |         |
|----|---------|---------|
| 1  | R 08:05 | S 21:41 |
| 2  | R 08:58 | S 22:19 |
| 3  | R 09:51 | S 22:54 |
| 4  | R 10:43 | S 23:28 |
| 5  | R 11:35 |         |
| 6  | S 00:01 | R 12:28 |
| 7  | S 00:38 | R 13:24 |
| 8  | S 01:14 | R 14:22 |
| 9  | S 01:55 | R 15:25 |
| 10 | S 02:42 | R 16:32 |
| 11 | S 03:37 | R 17:42 |
| 12 | S 04:39 | R 18:50 |
| 13 | S 05:47 | R 19:53 |
| 14 | S 06:58 | R 20:48 |

|    |         |         |
|----|---------|---------|
| 15 | S 08:07 | R 21:36 |
| 16 | S 09:11 | R 22:18 |
| 17 | S 10:12 | R 22:55 |
| 18 | S 11:09 | R 23:31 |
| 19 | S 12:03 |         |
| 20 | R 00:03 | S 12:56 |
| 21 | R 00:38 | S 13:49 |
| 22 | R 01:15 | S 14:43 |
| 23 | R 01:55 | S 15:36 |
| 24 | R 02:38 | S 16:30 |
| 25 | R 03:24 | S 17:22 |
| 26 | R 04:14 | S 18:12 |
| 27 | R 05:06 | S 18:59 |
| 28 | R 06:00 | S 19:41 |
| 29 | R 06:54 | S 20:19 |
| 30 | R 07:47 | S 20:55 |
| 31 | R 08:40 | S 21:29 |

**August**

|    |         |         |
|----|---------|---------|
| 1  | R 09:32 | S 22:02 |
| 2  | R 10:24 | S 22:36 |
| 3  | R 11:17 | S 23:12 |
| 4  | R 12:13 | S 23:51 |
| 5  | R 13:13 |         |
| 6  | R 00:34 | S 14:16 |
| 7  | R 01:24 | S 15:22 |
| 8  | R 02:21 | S 16:29 |
| 9  | R 03:25 | S 17:34 |
| 10 | R 04:34 | S 18:32 |
| 11 | R 05:43 | S 19:24 |
| 12 | R 06:51 | S 20:09 |
| 13 | R 07:54 | S 20:49 |
| 14 | R 08:54 | S 21:26 |
| 15 | R 09:51 | S 22:02 |
| 16 | S 10:46 | R 22:37 |
| 17 | S 11:41 | R 23:14 |
| 18 | S 12:35 | R 23:52 |
| 19 | S 13:30 |         |
| 20 | R 00:34 | S 14:24 |
| 21 | R 01:19 | S 15:17 |
| 22 | R 02:09 | S 16:08 |
| 23 | R 03:00 | S 16:56 |
| 24 | R 03:54 | S 17:40 |
| 25 | R 04:48 | S 18:21 |
| 26 | R 05:41 | S 18:58 |
| 27 | R 06:35 | S 19:30 |
| 28 | R 07:28 | S 20:04 |
| 29 | R 08:20 | S 20:38 |
| 30 | R 09:14 | S 21:13 |
| 31 | R 10:09 | S 21:51 |

**September**

|    |         |         |
|----|---------|---------|
| 1  | R 11:07 | S 22:32 |
| 2  | R 12:08 | S 23:20 |
| 3  | R 13:12 |         |
| 4  | S 00:14 | R 14:17 |
| 5  | S 01:11 | R 15:20 |
| 6  | S 02:16 | R 16:19 |
| 7  | S 03:24 | R 17:12 |
| 8  | S 04:31 | R 17:59 |
| 9  | S 05:35 | R 18:41 |
| 10 | S 06:37 | R 19:20 |
| 11 | S 07:35 | R 19:56 |
| 12 | S 08:23 | R 20:32 |
| 13 | S 09:28 | R 21:09 |
| 14 | S 10:24 | R 21:47 |
| 15 | S 11:20 | R 22:28 |
| 16 | S 12:15 | R 23:13 |
| 17 | S 13:09 |         |
| 18 | R 00:01 | S 14:02 |
| 19 | R 00:52 | S 14:51 |
| 20 | R 01:45 | S 15:36 |
| 21 | R 02:39 | S 16:18 |
| 22 | R 03:33 | S 16:56 |
| 23 | R 04:26 | S 17:32 |
| 24 | R 05:19 | S 18:06 |
| 25 | R 06:13 | S 18:40 |
| 26 | R 07:07 | S 19:13 |
| 27 | R 08:03 | S 19:50 |
| 28 | R 09:01 | S 20:31 |
| 29 | R 10:02 | S 21:18 |
| 30 | R 11:05 | S 22:09 |

**October**

|    |         |         |
|----|---------|---------|
| 1  | R 12:10 | S 23:07 |
| 2  | R 13:14 |         |
| 3  | S 00:09 | R 14:13 |
| 4  | S 01:12 | R 15:06 |
| 5  | S 02:18 | R 15:54 |
| 6  | S 03:21 | R 16:36 |
| 7  | S 04:22 | R 17:15 |
| 8  | S 05:21 | R 17:51 |
| 9  | S 06:18 | R 18:27 |
| 10 | S 07:14 | R 19:03 |
| 11 | S 08:10 | R 19:41 |
| 12 | S 09:07 | R 20:21 |
| 13 | S 10:03 | R 21:05 |
| 14 | S 10:59 | R 21:52 |
| 15 | S 11:53 | R 22:43 |
| 16 | S 12:44 | R 23:35 |
| 17 | S 13:31 |         |
| 18 | R 00:28 | S 14:14 |

|    |         |         |
|----|---------|---------|
| 19 | R 01:22 | S 14:53 |
| 20 | R 02:15 | S 15:29 |
| 21 | R 03:08 | S 16:04 |
| 22 | R 04:01 | S 16:38 |
| 23 | R 04:55 | S 17:12 |
| 24 | R 05:51 | S 17:48 |
| 25 | R 06:50 | S 18:28 |
| 26 | R 07:51 | S 19:13 |
| 27 | R 08:55 | S 20:04 |
| 28 | R 10:02 | S 21:01 |
| 29 | R 11:07 | S 22:03 |
| 30 | R 12:09 | S 23:07 |
| 31 | R 13:04 |         |

**November**

|    |         |         |
|----|---------|---------|
| 1  | S 00:12 | R 13:53 |
| 2  | S 01:14 | R 14:35 |
| 3  | S 02:14 | R 15:14 |
| 4  | S 03:12 | R 15:50 |
| 5  | S 04:08 | R 16:25 |
| 6  | S 05:04 | R 17:00 |
| 7  | S 05:59 | R 17:37 |
| 8  | S 06:55 | R 18:16 |
| 9  | S 07:51 | R 18:58 |
| 10 | S 08:48 | R 19:44 |
| 11 | S 09:43 | R 20:34 |
| 12 | S 10:35 | R 21:26 |
| 13 | S 11:24 | R 22:19 |
| 14 | S 12:09 | R 23:13 |
| 15 | S 12:49 |         |
| 16 | R 00:04 | S 13:26 |
| 17 | R 00:56 | S 14:01 |
| 18 | R 01:48 | S 14:34 |
| 19 | R 02:41 | S 15:07 |
| 20 | R 03:35 | S 15:42 |
| 21 | R 04:32 | S 16:19 |
| 22 | R 05:33 | S 17:01 |
| 23 | R 06:38 | S 17:49 |
| 24 | R 07:44 | S 18:49 |
| 25 | R 08:53 | S 19:52 |
| 26 | R 09:59 | S 20:58 |
| 27 | R 10:58 | S 22:04 |
| 28 | R 11:50 | S 23:08 |
| 29 | R 12:35 |         |
| 30 | R 00:09 | R 13:15 |

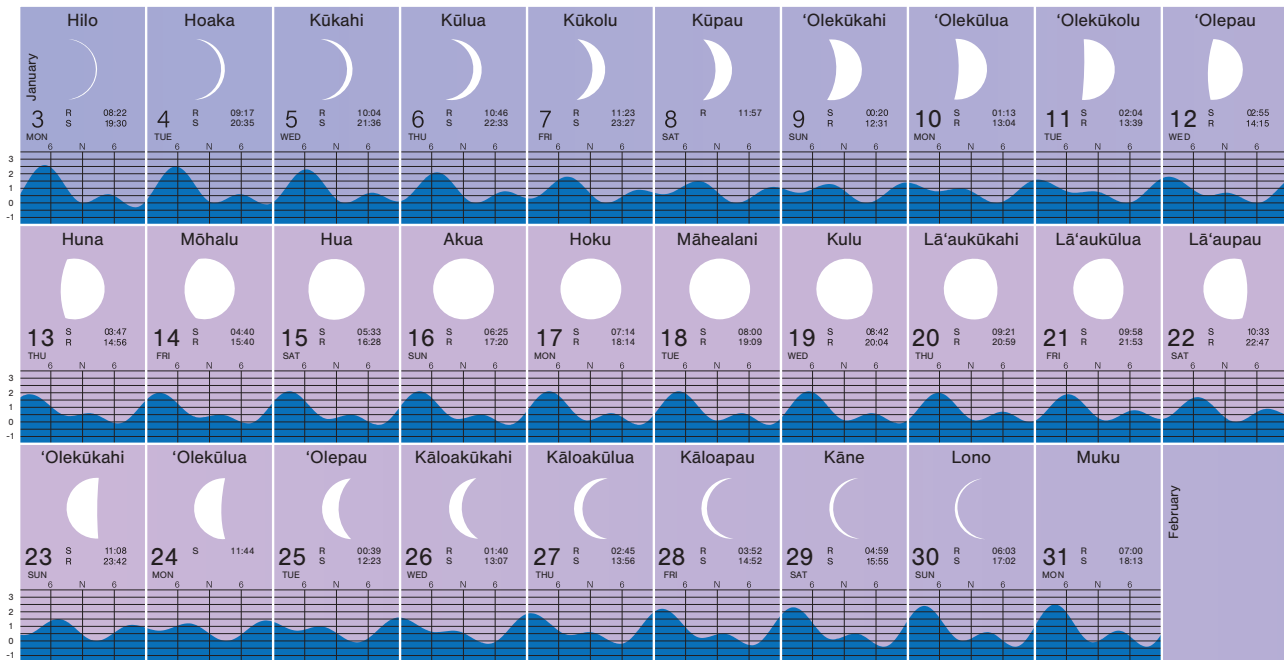
**December**

|   |         |         |
|---|---------|---------|
| 1 | S 01:08 | R 13:52 |
| 2 | S 02:04 | R 14:27 |
| 3 | S 02:58 | R 15:01 |
| 4 | S 03:52 | R 15:36 |
| 5 | S 04:47 | R 16:14 |

|    |         |         |
|----|---------|---------|
| 6  | S 05:43 | R 16:54 |
| 7  | S 06:39 | R 17:38 |
| 8  | S 07:34 | R 18:27 |
| 9  | S 08:28 | R 19:18 |
| 10 | S 09:18 | R 20:11 |
| 11 | S 10:04 | R 21:05 |
| 12 | S 10:46 | R 21:58 |
| 13 | S 11:24 | R 22:50 |
| 14 | S 11:59 | R 23:41 |
| 15 | S 12:32 |         |
| 16 | R 00:29 | S 13:04 |
| 17 | R 01:21 | S 13:37 |
| 18 | R 02:12 | S 14:10 |

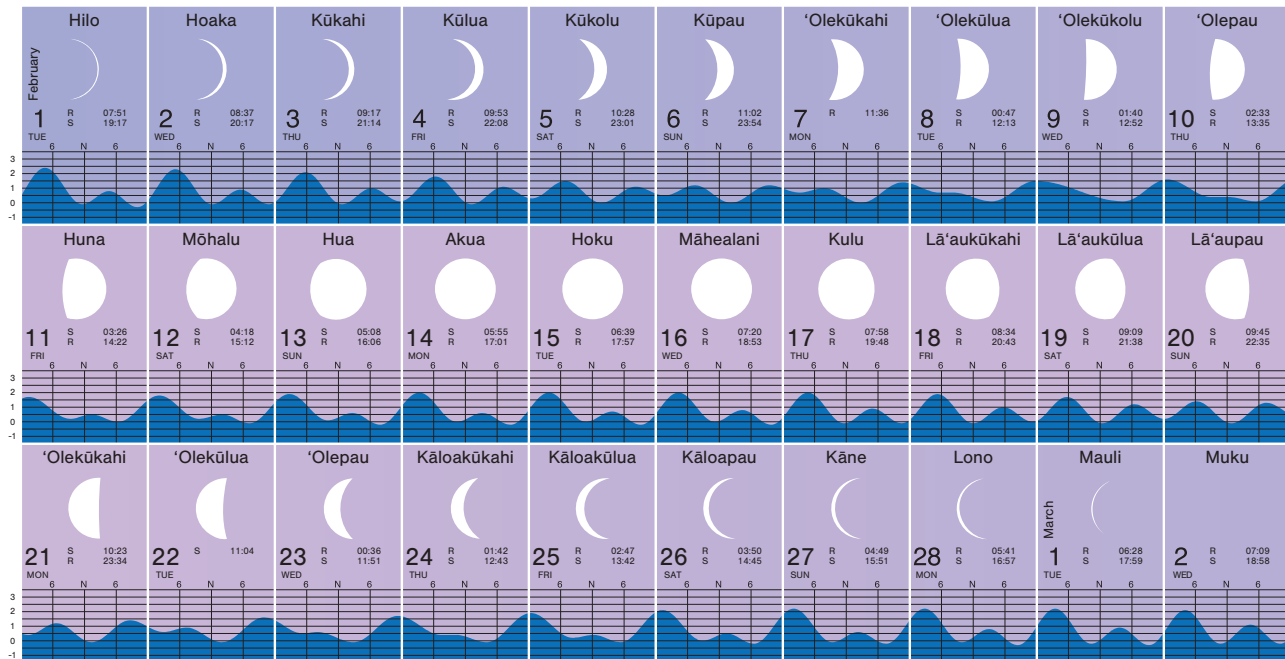
# Kā'eolo

January 3 - January 31  
'Ianuali 3 - 'Ianuali 31, 2022



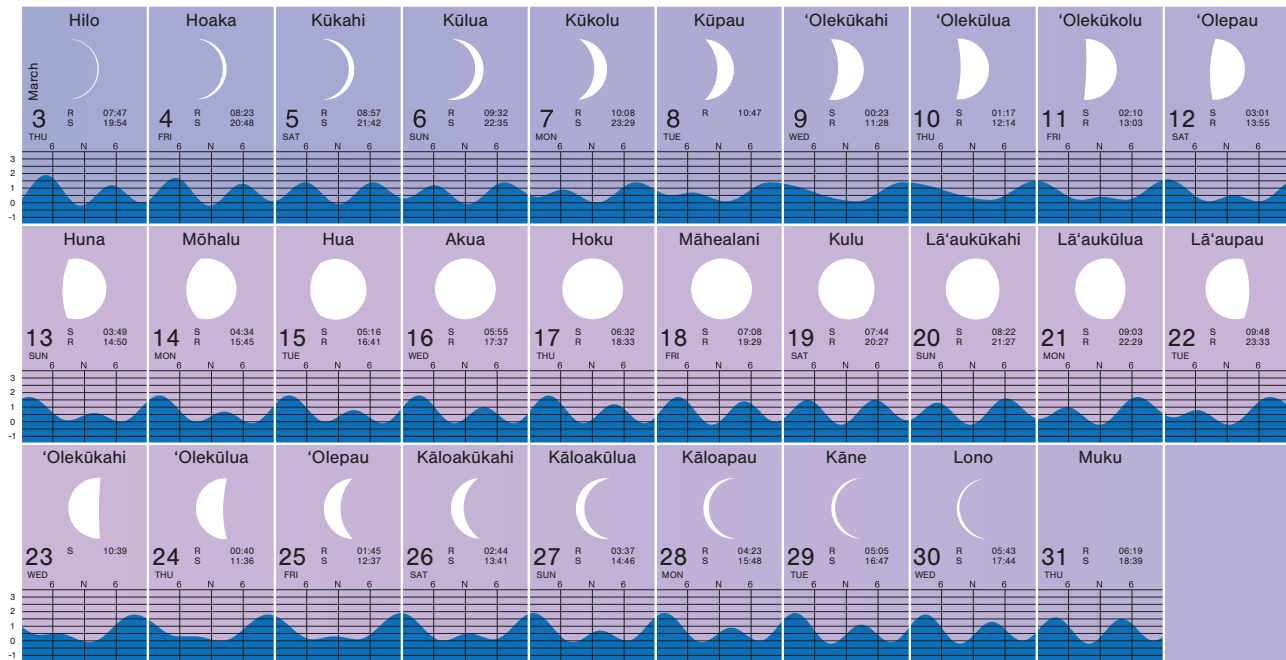
# Kaulua

February 1 - March 2  
Pepeluali 1 - Malaki 2, 2022



# Nana

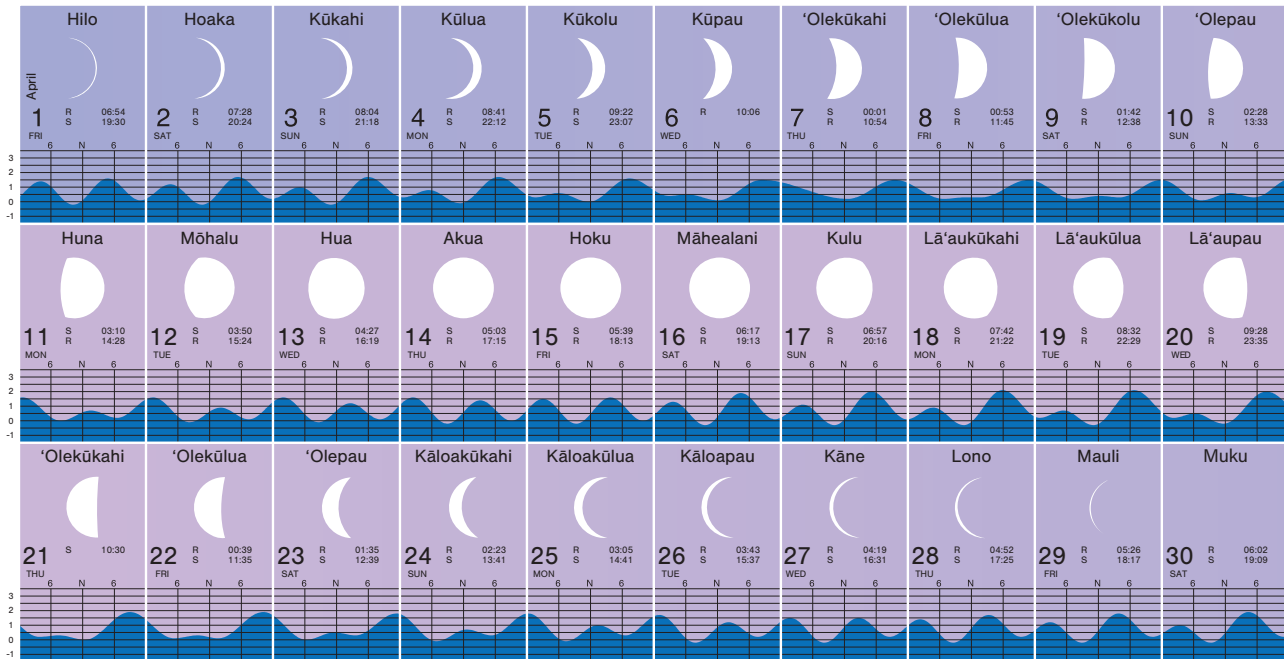
March 3 - March 31  
Malaki 3 - Malaki 31, 2022



# Welo

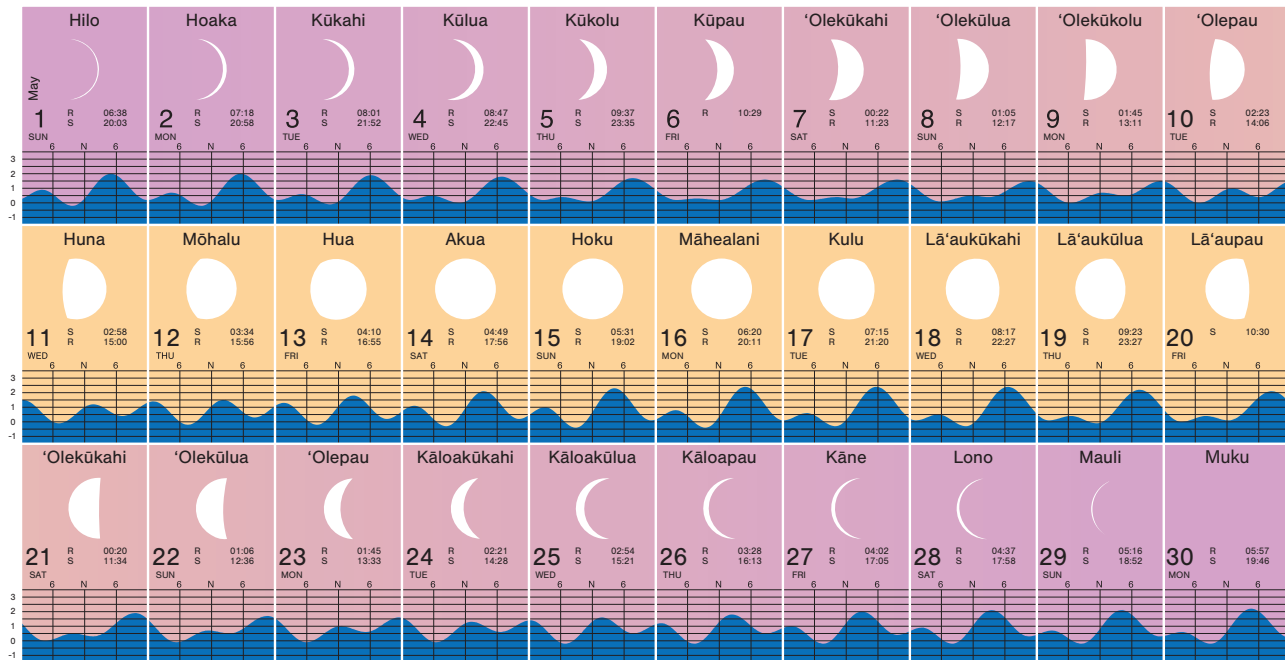
April 1 - April 30

‘Apelila 1 - ‘Apelila 30, 2022



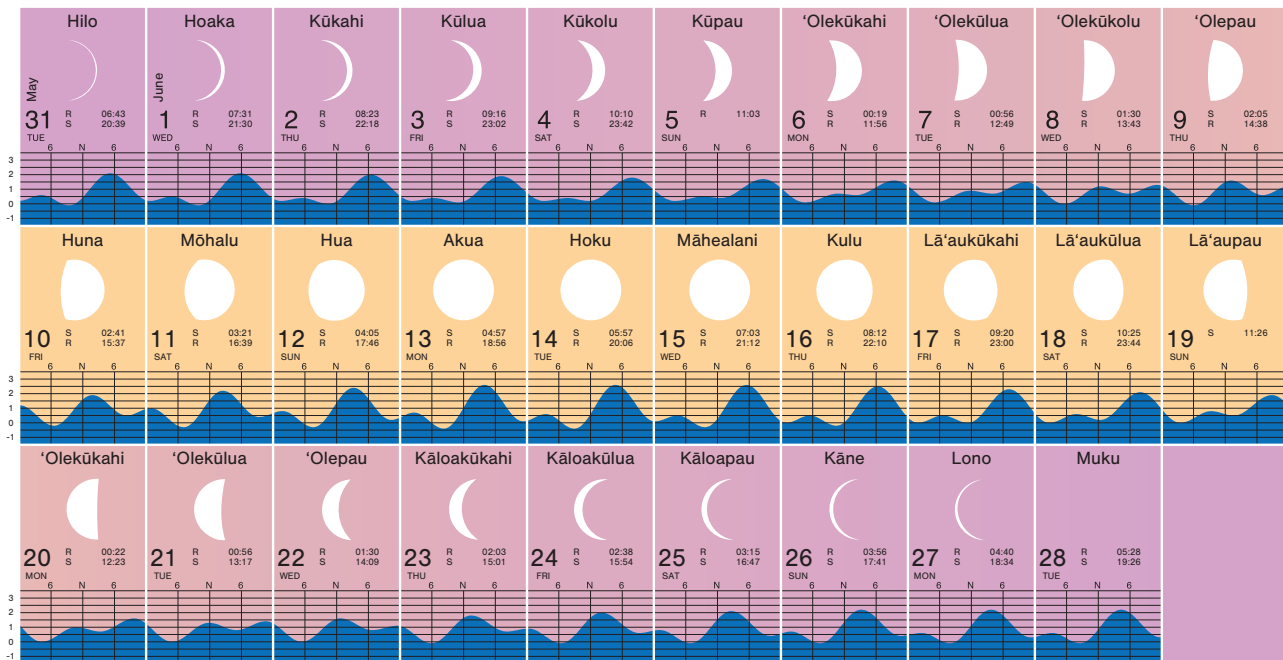
# Ikiiki

May 1 - May 30  
Mei 1 - Mei 30, 2022



# Ka'aona

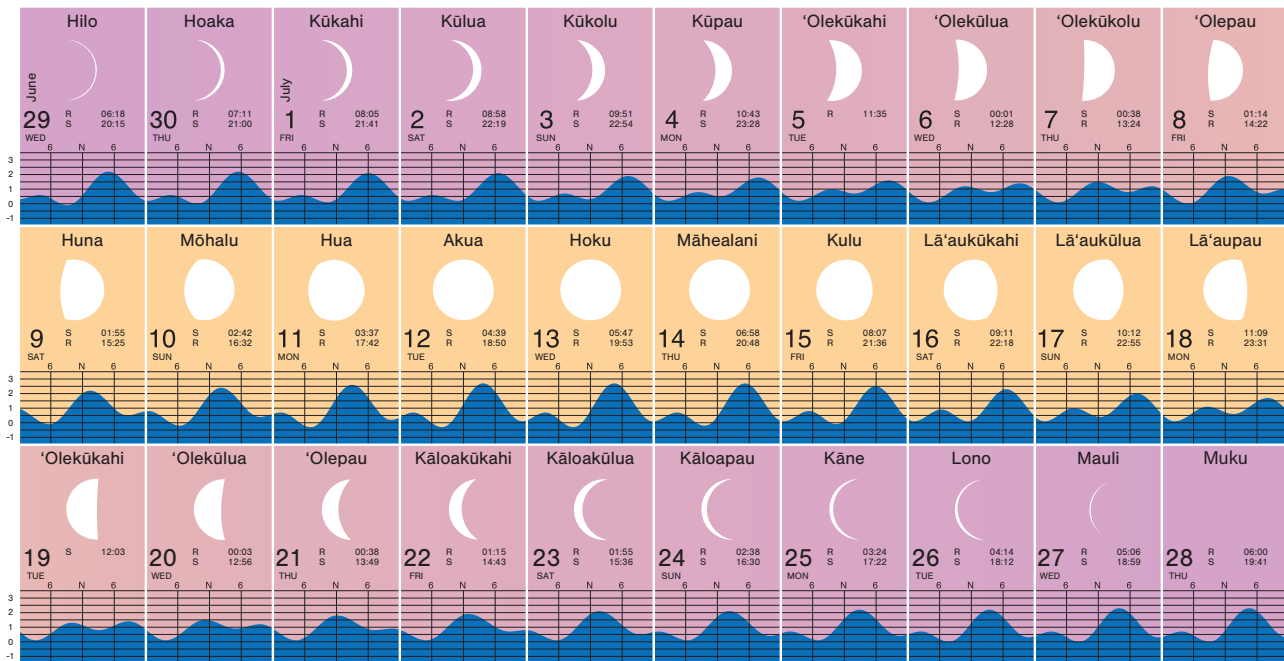
May 31 - June 28  
Mei 31 - June 28, 2022





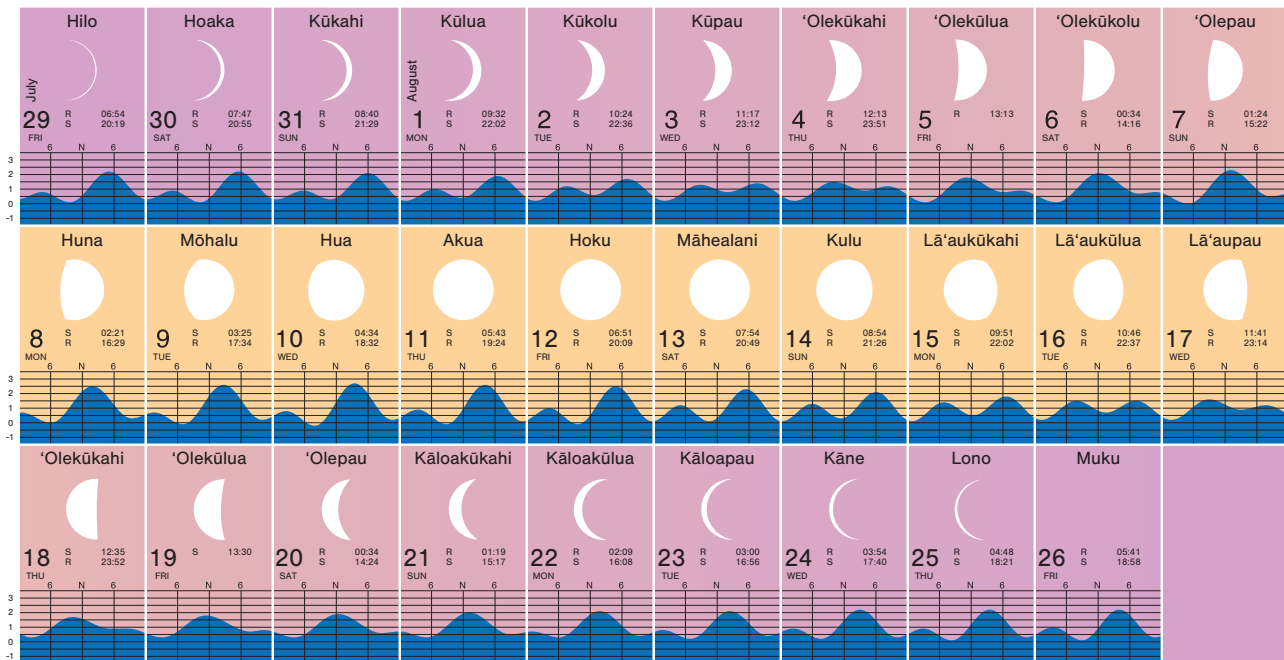
# Hinaia‘ele‘ele

June 29 - July 28  
Iune 29 - Iulai 28, 2022



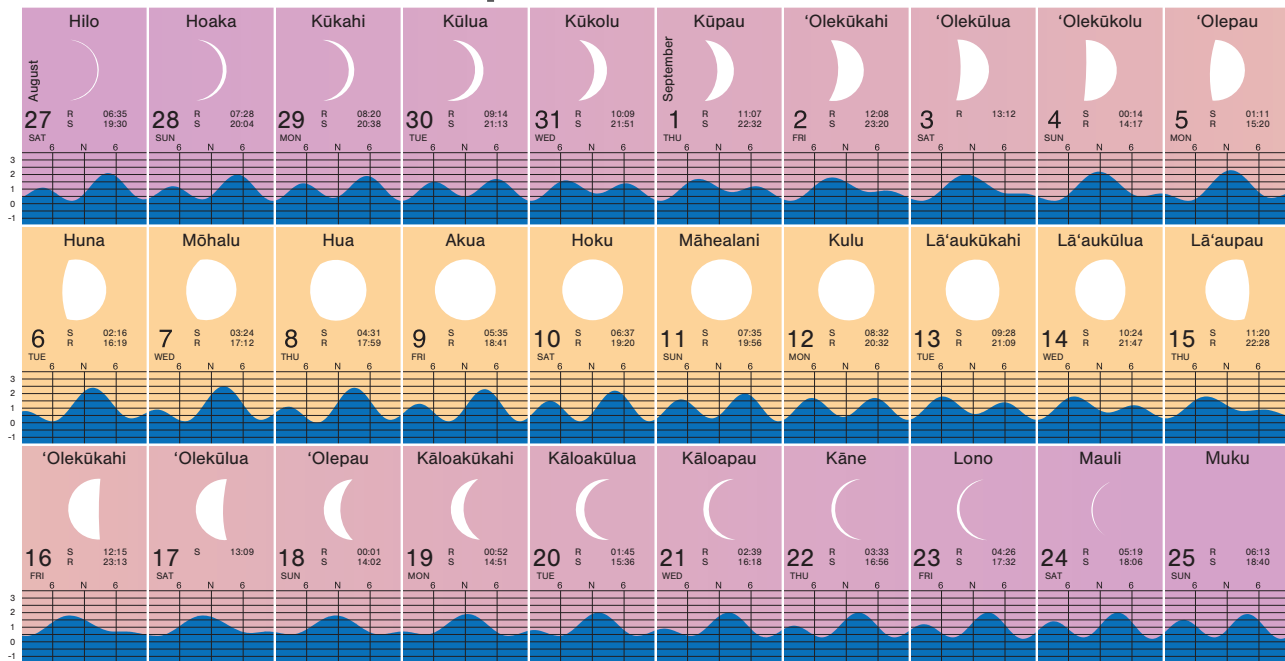
# Māhoe Mua

July 29 - August 26  
Iulai 29 - 'Akukake 26, 2022



# Māhoe Hope

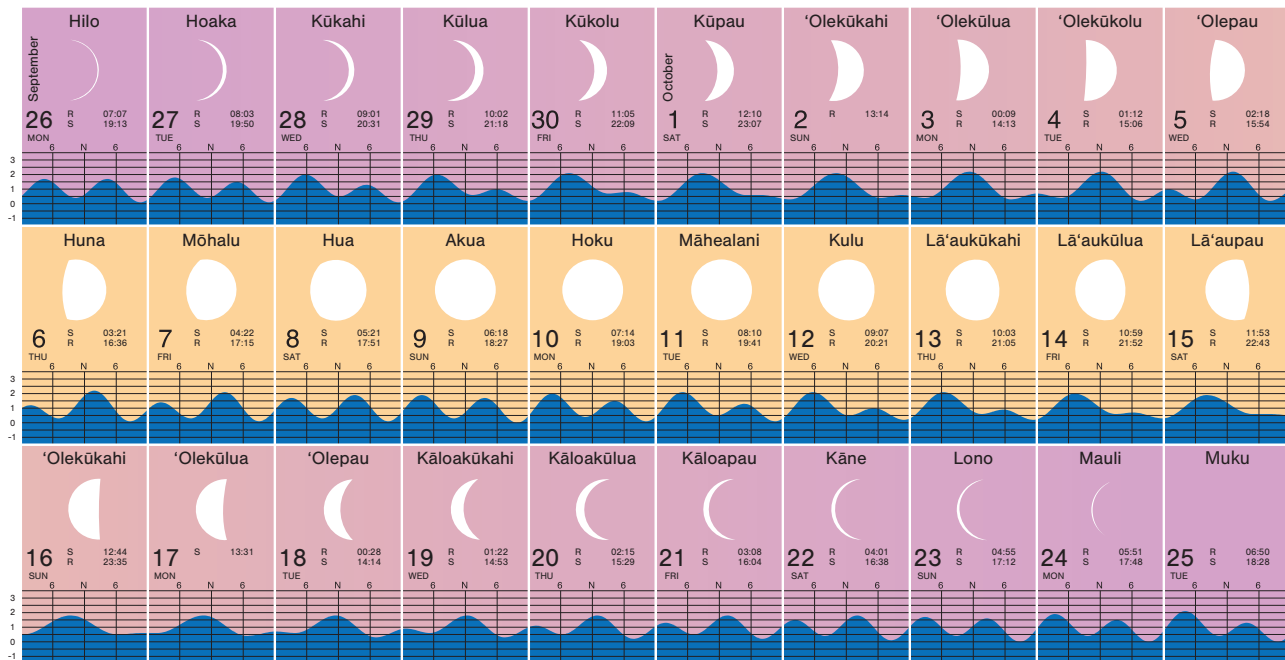
August 27 - September 25  
'Akukake 27 - Kepakemapa 25, 2022



# ‘Ikuwā

September 26 - October 25

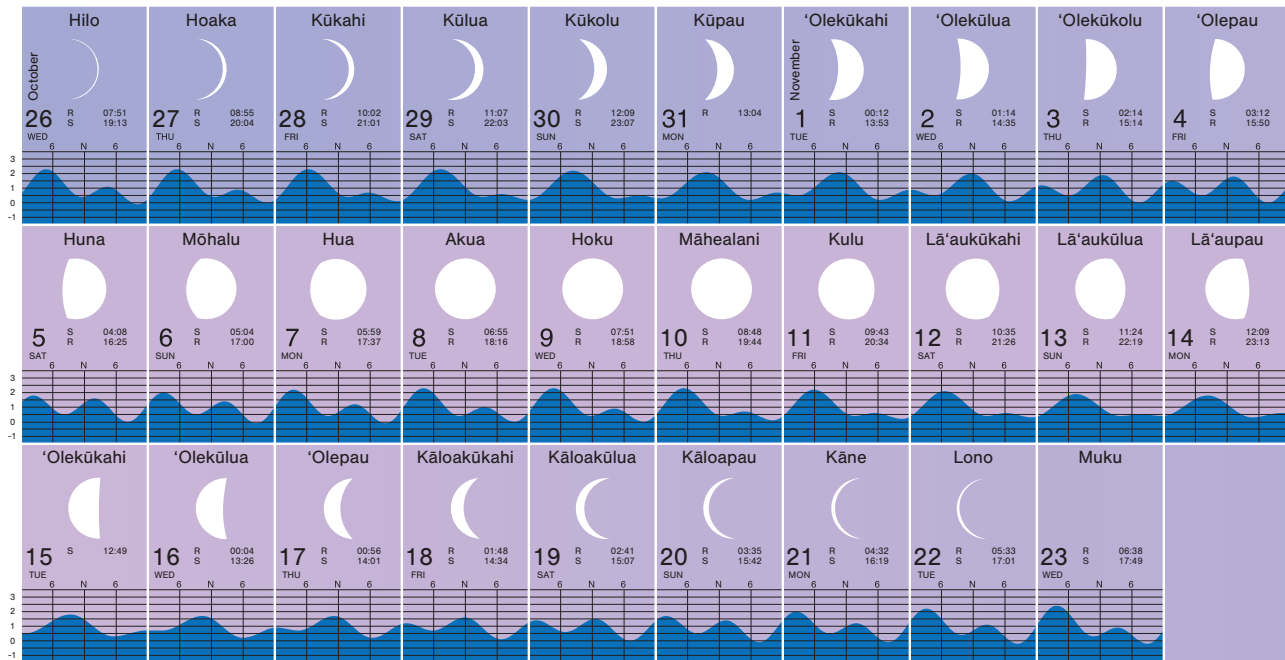
Kepakemapa 26 - ‘Okakopa 25, 2022



# Welehu

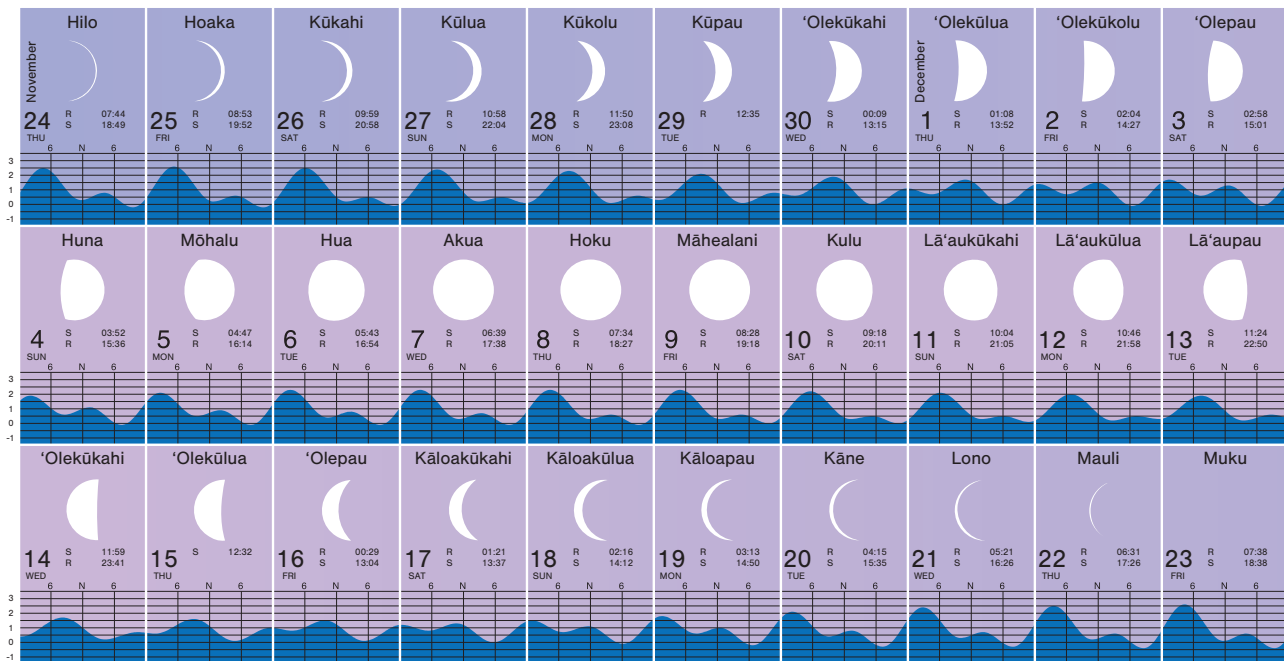
October 26 - November 23

'Okakopa 26 - Nowemapa 23, 2022



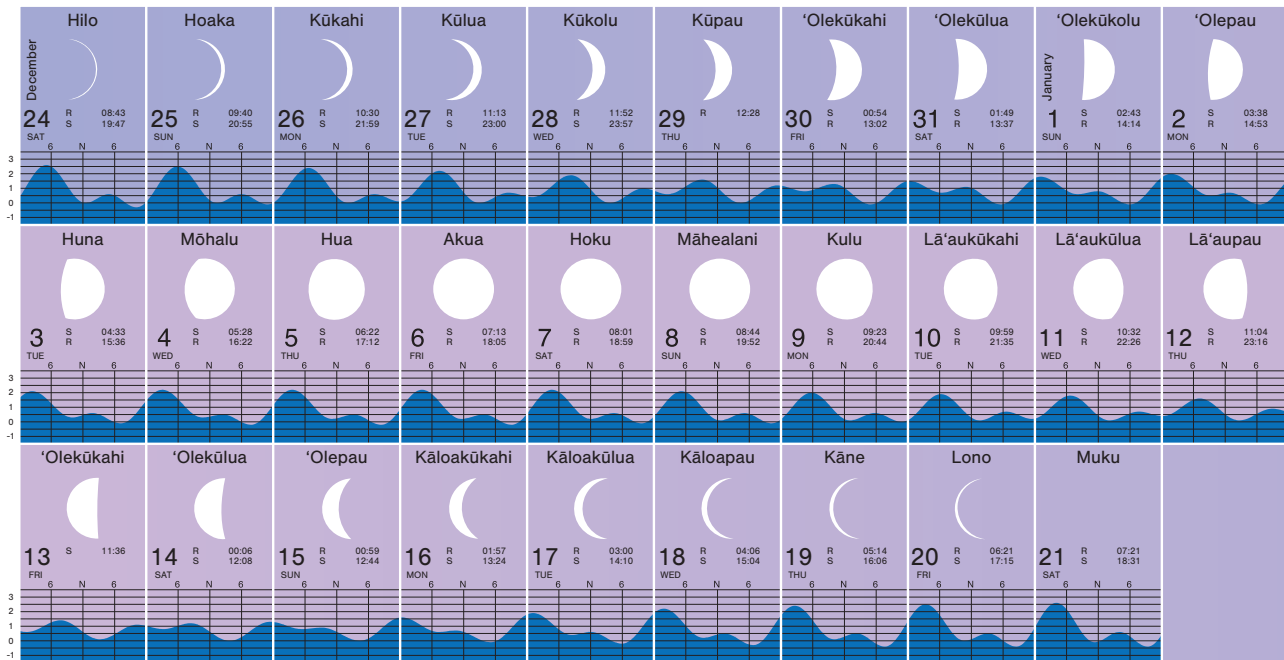
# Makali'i

November 24 - December 23  
Nowemapa 24 - Kēkēmapa 23, 2022



# Kā'eolo

December 24 - January 21  
Kēkēmapa 24, 2022 - 'Ianauli 21, 2023



# About This Calendar

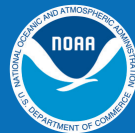
The literal meaning of kaulana mahina is position of the moon. In the traditional Hawaiian calendar, the 29.5-day mahina (moon) cycle is divided into three anahulu (10-day periods): ho'onui (growing bigger), beginning on the first visible crescent; poepoe (round or full); and emi (decreasing). The traditional names of the Hawaiian moon months and phases may vary by island and moku (district). This calendar uses the O'ahu moon phases listed in the Hawaiian Almanac by Clarice Taylor. The tides are for Honolulu.

## About the Council

The Western Pacific Regional Fishery Management Council is one of eight councils established by Congress in 1976. Under the Magnuson-Stevens Fishery Conservation and Management Act (MSA), the Western Pacific Council has authority over fisheries in the Pacific Ocean seaward of state/territorial waters of Hawai'i, American Samoa, Guam, the Commonwealth of the Northern Mariana Islands and eight US Pacific Remote Island Areas.

There are many different reasons to get involved in fishery management, but they all involve being part of the process. Whether you are a weekend shoreline fisher, a full-time commercial longliner, a part-time recreational or subsistence fisher, a non-fishing ocean lover or any other interested person—your voice and opinions can be heard by the Council and become part of the decision-making process.

Becoming involved may mean attending a Council meeting, reading proposed fishery management amendments available on the Council's website or by contacting the Council office, making comments on a proposed action, or being on one of the Council's advisory bodies.



### Western Pacific Regional Fishery Management Council

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Honolulu, Hawaii 96813

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FAX: (808) 522-8226  
WEB: [wpcouncil.org](http://wpcouncil.org)

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