

An underwater scene with several fish swimming in clear blue water. A fishing hook is visible in the lower left. The background shows a rocky seabed.

2021

Kaulana Mahina
Hawai'i Lunar Calendar



Lunar Rise and Set Times

2021

January
 1 R 07:52 S 19:02
 14 R 08:42 S 20:01
 15 R 09:26 S 20:57
 16 R 10:05 S 21:50
 17 R 10:41 S 22:41
 18 R 11:15 S 23:31
 19 R 11:47
 20 S 00:20 R 12:20
 21 S 01:11 R 12:54
 22 S 02:01 R 13:30
 23 S 02:53 R 14:10
 24 S 03:47 R 14:55
 25 S 04:41 R 15:44
 26 S 05:36 R 16:38
 27 S 06:30 R 17:36
 28 S 07:20 R 18:36
 29 S 08:08 R 19:37
 30 S 08:52 R 20:37
 31 S 09:33 R 21:36

February
 1 S 10:12 R 22:35
 2 S 10:51 R 23:34
 3 S 11:32
 4 R 00:35 S 12:14
 5 R 01:37 S 13:00
 6 R 02:41 S 13:51
 7 R 03:44 S 14:46
 8 R 04:45 S 15:45
 9 R 05:42 S 16:46
 10 R 06:33 S 17:46
 11 R 07:19 S 18:44
 12 R 08:00 S 19:38
 13 R 08:37 S 20:30
 14 R 09:12 S 21:21
 15 R 09:45 S 22:11
 16 R 10:18 S 23:00
 17 R 10:51 S 23:51
 18 R 11:26
 19 S 00:44 R 12:04
 20 S 01:36 R 12:46
 21 S 02:29 R 13:33
 22 S 03:24 R 14:25
 23 S 04:17 R 15:21
 24 S 05:09 R 16:20
 25 S 05:58 R 17:21
 26 S 06:44 R 18:22
 27 S 07:27 R 19:24
 28 S 08:08 R 20:25

March

1 S 08:49 R 21:26
 2 S 09:29 R 22:27
 3 S 10:12 R 23:30
 4 S 10:58
 5 R 00:34 S 11:47
 6 R 01:39 S 12:41
 7 R 02:40 S 13:38
 8 R 03:37 S 14:38
 9 R 04:29 S 15:37
 10 R 05:15 S 16:35
 11 R 05:57 S 17:31
 12 R 06:34 S 18:24
 13 R 07:10 S 19:13
 14 R 07:43 S 20:03
 15 R 08:16 S 20:53
 16 R 08:49 S 21:43
 17 R 09:24 S 22:34
 18 R 10:00 S 23:26
 19 R 10:41
 20 S 00:20 R 11:25
 21 S 01:13 R 12:13
 22 S 02:06 R 13:06
 23 S 02:58 R 14:03
 24 S 03:47 R 15:02
 25 S 04:34 R 16:03
 26 S 05:18 R 17:05
 27 S 06:00 R 18:06
 28 S 06:41 R 19:09
 29 S 07:22 R 20:12
 30 S 08:05 R 21:17
 31 S 08:51 R 22:22

April
 1 S 09:41 R 23:28
 2 S 10:35
 3 R 00:33 S 11:32
 4 R 01:34 S 12:32
 5 R 02:27 S 13:32
 6 R 03:15 S 14:30
 7 R 03:57 S 15:26
 8 R 04:35 S 16:20
 9 R 05:10 S 17:11
 10 R 05:43 S 18:01
 11 R 06:16 S 18:50
 12 R 06:50 S 19:37
 13 R 07:23 S 20:28
 14 R 07:59 S 21:20
 15 R 08:38 S 22:13
 16 R 09:20 S 23:06
 17 R 10:07 S 23:59
 18 R 10:57

19 S 00:50 R 11:51
 20 S 01:40 R 12:48
 21 S 02:26 R 13:47
 22 S 03:09 R 14:46
 23 S 03:51 R 15:46
 24 S 04:31 R 16:48
 25 S 05:12 R 17:50
 26 S 05:54 R 18:55
 27 S 06:39 R 20:02
 28 S 07:28 R 21:10
 29 S 08:22 R 22:18
 30 S 09:21 R 23:22

May
 1 S 10:22
 2 R 00:22 S 11:24
 3 R 01:13 S 12:24
 4 R 01:58 S 13:22
 5 R 02:37 S 14:16
 6 R 03:12 S 15:08
 7 R 03:46 S 15:58
 8 R 04:18 S 16:47
 9 R 04:50 S 17:36
 10 R 05:23 S 18:26
 11 R 05:59 S 19:15
 12 R 06:37 S 20:08
 13 R 07:18 S 21:02
 14 R 08:03 S 21:55
 15 R 08:52 S 22:47
 16 R 09:45 S 23:36
 17 R 10:40
 18 S 00:22 R 11:37
 19 S 01:05 R 12:34
 20 S 01:46 R 13:32
 21 S 02:26 R 14:31
 22 S 03:04 R 15:31
 23 S 03:44 R 16:33
 24 S 04:27 R 17:38
 25 S 05:13 R 18:46
 26 S 06:05 R 19:55
 27 S 07:02 R 21:04
 28 S 08:04 R 22:07
 29 S 09:09 R 23:04
 30 S 10:12 R 23:53
 31 S 11:13

June
 1 R 00:36 S 12:10
 2 R 01:13 S 13:03
 3 R 01:47 S 13:54
 4 R 02:20 S 14:44
 5 R 02:52 S 15:33
 6 R 03:25 S 16:22

7 R 03:59 S 17:13
 8 R 04:36 S 18:04
 9 R 05:16 S 18:57
 10 R 06:01 S 19:51
 11 R 06:49 S 20:43
 12 R 07:41 S 21:34
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 14 R 09:32 S 23:04
 15 R 10:28 S 23:45
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 19 S 01:40 R 14:18
 20 S 02:19 R 15:19
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 22 S 03:50 R 17:31
 23 S 04:43 R 18:40
 24 S 05:43 R 19:47
 25 S 06:48 R 20:48
 26 S 07:53 R 21:43
 27 S 08:57 R 22:30
 28 S 09:57 R 23:11
 29 S 10:54 R 23:48
 30 S 11:47

July
 1 R 00:20 S 12:38
 2 R 00:52 S 13:28
 3 R 01:25 S 14:17
 4 R 01:59 S 15:07
 5 R 02:35 S 15:59
 6 R 03:14 S 16:51
 7 R 03:57 S 17:45
 8 R 04:45 S 18:38
 9 R 05:36 S 19:30
 10 R 06:30 S 20:19
 11 R 07:27 S 21:04
 12 R 08:24 S 21:45
 13 R 09:21 S 22:24
 14 R 10:17 S 23:01
 15 R 11:13 S 23:39
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 17 S 00:17 R 13:09
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 23 S 05:33 R 19:28
 24 S 06:38 R 20:19
 25 S 07:41 R 21:04
 26 S 08:40 R 21:43

27 S 09:36 R 22:19
 28 S 10:29 R 22:53
 29 S 11:20 R 23:26
 30 S 12:10 R 23:59
 31 S 13:00

August
 1 R 00:32 S 13:51
 2 R 01:10 S 14:43
 3 R 01:52 S 15:37
 4 R 02:38 S 16:30
 5 R 03:28 S 17:22
 6 R 04:22 S 18:13
 7 R 05:18 S 19:00
 8 R 06:16 S 19:43
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 10 R 08:11 S 21:02
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 12 R 10:06 S 22:17
 13 R 11:04 S 22:57
 14 R 12:04 S 23:40
 15 R 13:06
 16 S 00:28 R 14:11
 17 S 01:18 R 15:15
 18 S 02:16 R 16:18
 19 S 03:18 R 17:17
 20 S 04:22 R 18:09
 21 S 05:25 R 18:56
 22 S 06:25 R 19:37
 23 S 07:23 R 20:15
 24 S 08:17 R 20:49
 25 S 09:10 R 21:23
 26 S 10:01 R 21:56
 27 S 10:52 R 22:31
 28 S 11:43 R 23:07
 29 S 12:35 R 23:47
 30 S 13:27
 31 R 00:30 S 14:21

September
 1 R 01:19 S 15:13
 2 R 02:11 S 16:04
 3 R 03:06 S 16:53
 4 R 04:03 S 17:38
 5 R 05:02 S 18:20
 6 R 06:00 S 18:59
 7 R 06:59 S 19:38
 8 R 07:57 S 20:16
 9 R 08:57 S 20:56
 10 R 09:58 S 21:39
 11 R 11:00 S 22:25
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 13 R 13:09

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 18 S 04:14 R 17:34
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 24 S 09:34 R 21:04
 25 S 10:26 R 21:42
 26 S 11:19 R 22:24
 27 S 12:12 R 23:10
 28 S 13:04 R 00:00
 29 S 13:55
 30 R 00:53 S 14:44

October
 1 R 01:49 S 15:30
 2 R 02:46 S 16:13
 3 R 03:44 S 16:54
 4 R 04:43 S 17:33
 5 R 05:42 S 18:11
 6 R 06:42 S 18:51
 7 R 07:44 S 19:34
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 13 S 00:08 R 14:02
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 26 S 11:48 R 22:43
 27 S 12:37 R 23:37
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November
 1 R 03:24 S 16:03
 2 R 04:23 S 16:42
 3 R 05:24 S 17:23
 4 R 06:28 S 18:07
 5 R 07:35 S 18:00
 6 R 08:44 S 19:55
 7 R 09:52 S 20:56
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 28 R 01:09 S 13:58
 29 R 02:05 S 14:35
 30 R 03:04 S 15:13

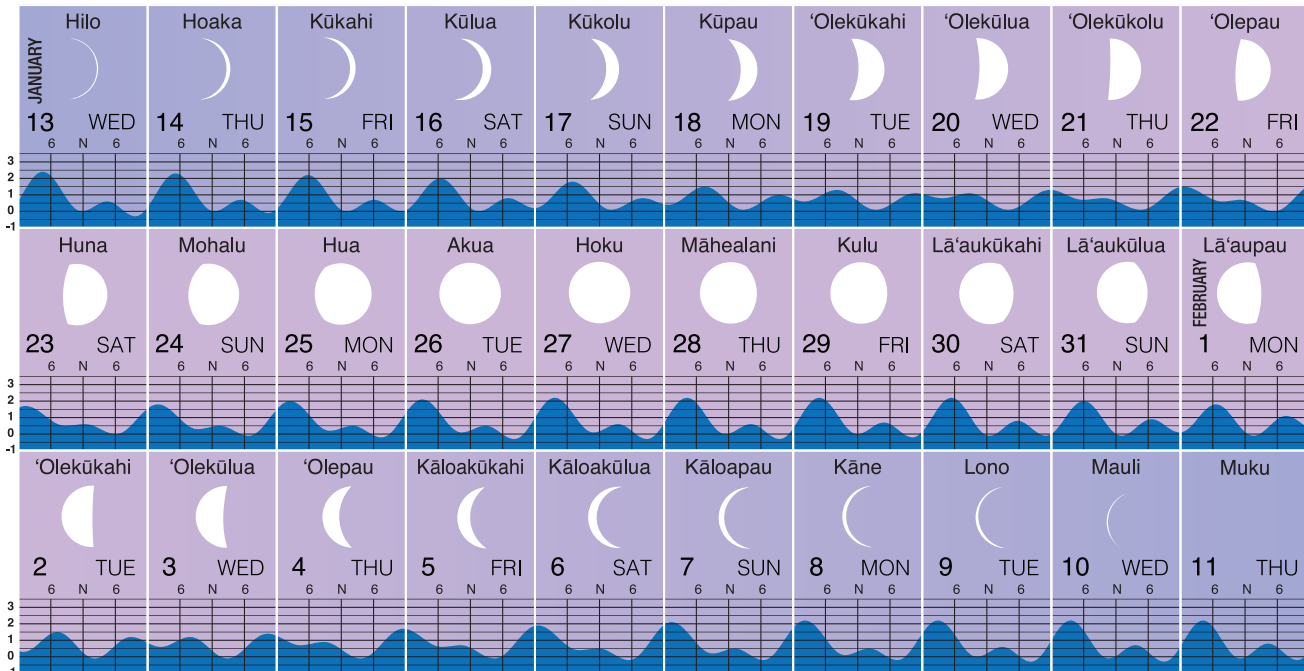
December
 1 R 04:05 S 15:54
 2 R 05:10 S 16:40
 3 R 06:19 S 17:32
 4 R 07:28 S 18:37
 5 R 08:37 S 19:41
 6 R 09:42 S 20:47
 7 R 10:40 S 21:51
 8 R 11:29 S 22:52
 9 R 12:12 S 23:49
 10 R 12:50
 11 S 00:45 R 13:25
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2022
January
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 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

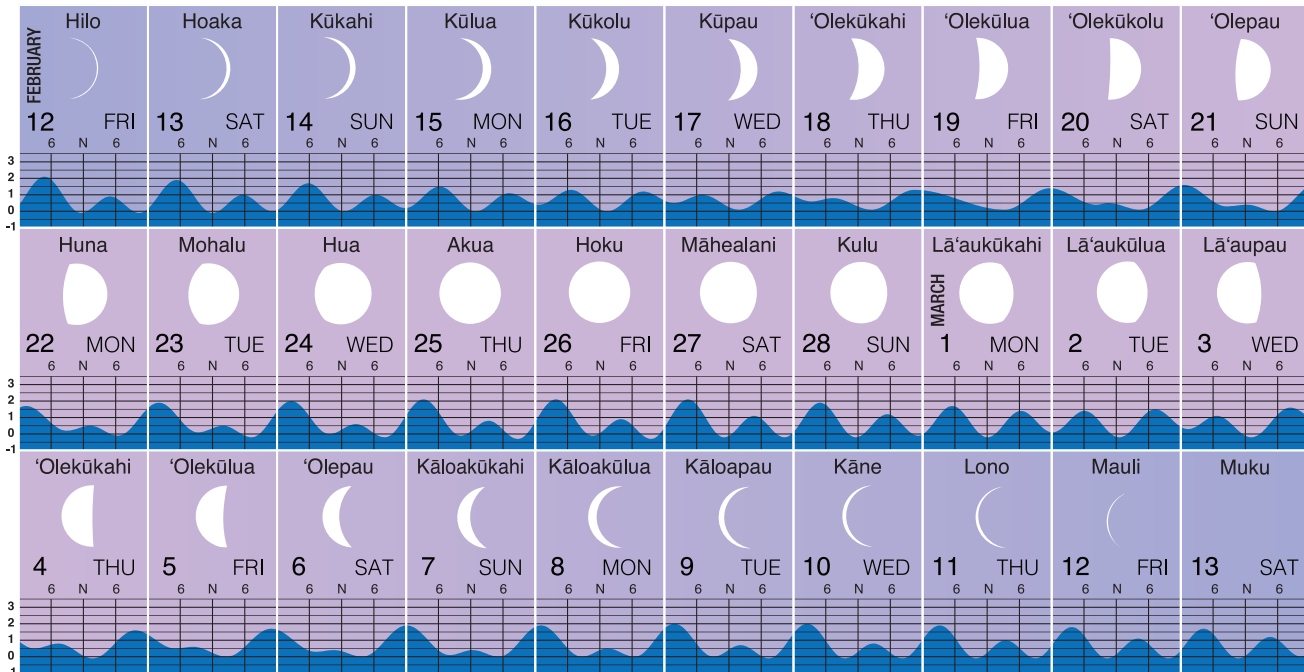
Kā'elo

'Ianuāli 13 - Pepeluali 11, 2021



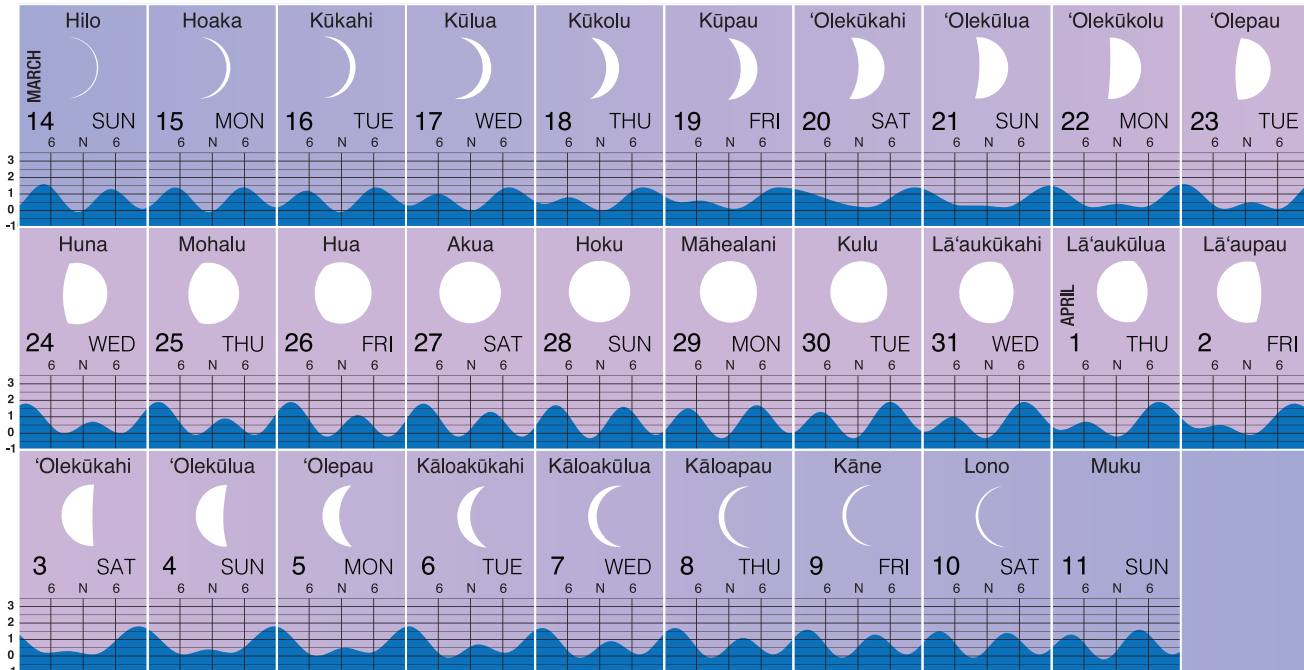
Kaulua

Pepeluai 12 - Malaki 13, 2021



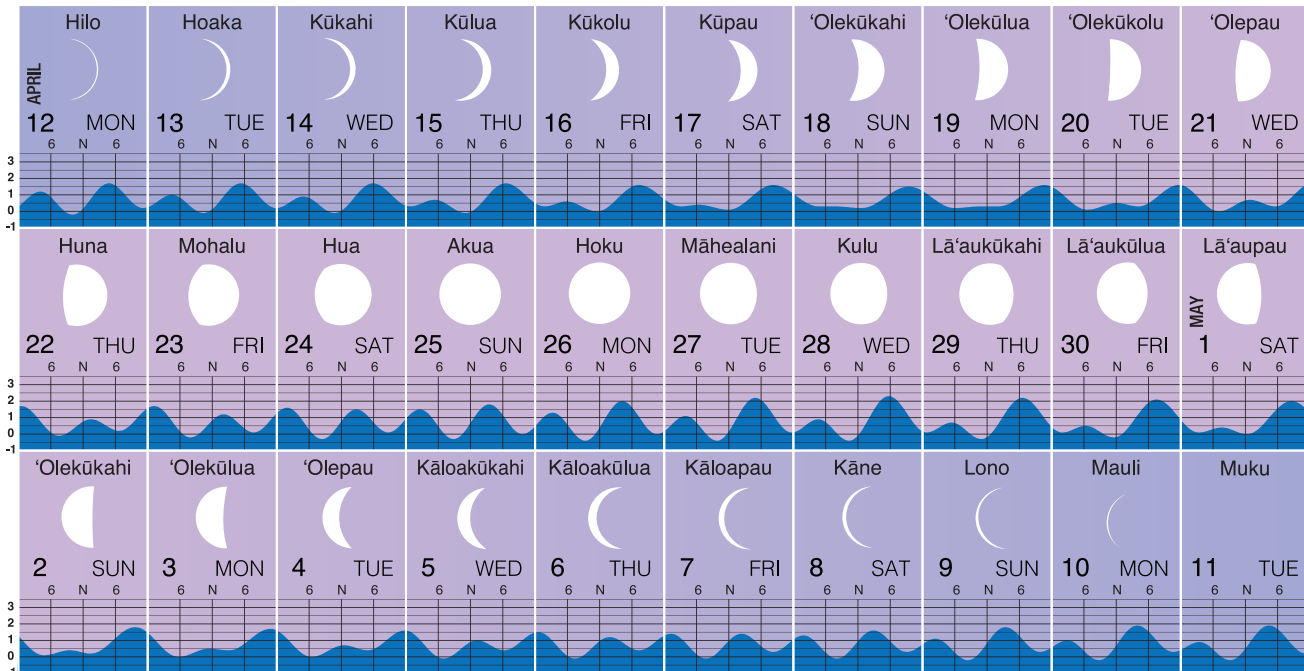
Nana

Malaki 14 - 'Apelila 11, 2021



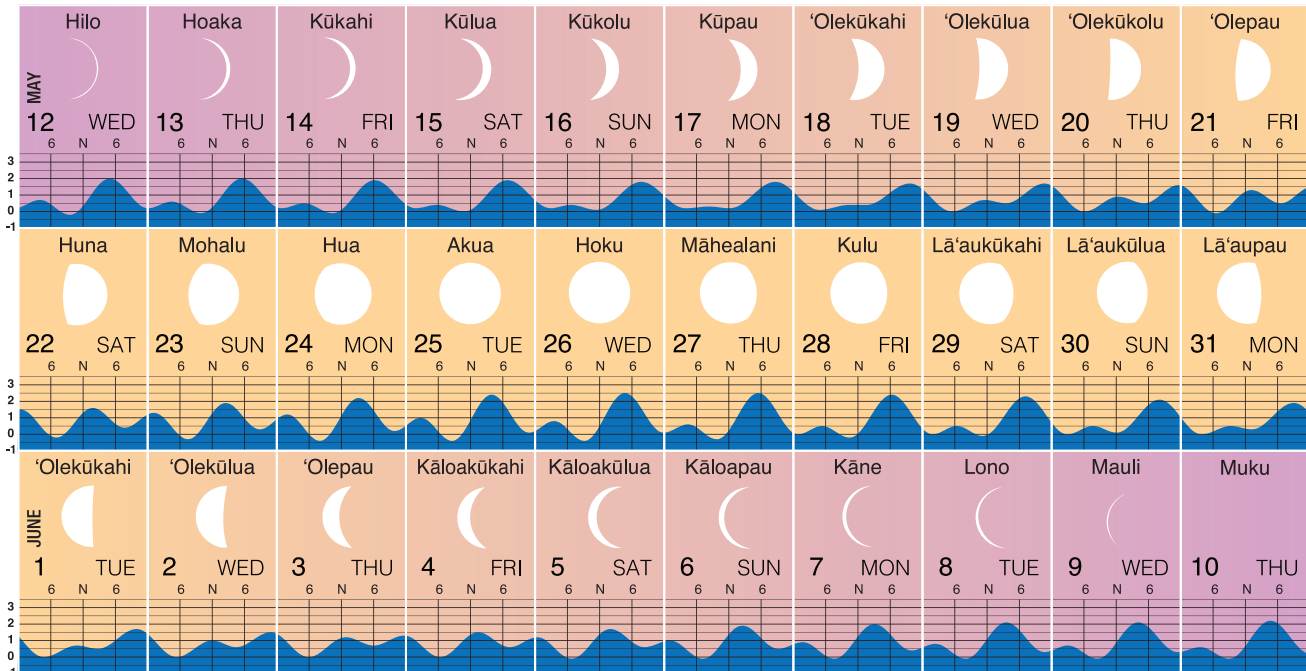
Welo

'Apelila 12 - Mei 11, 2021



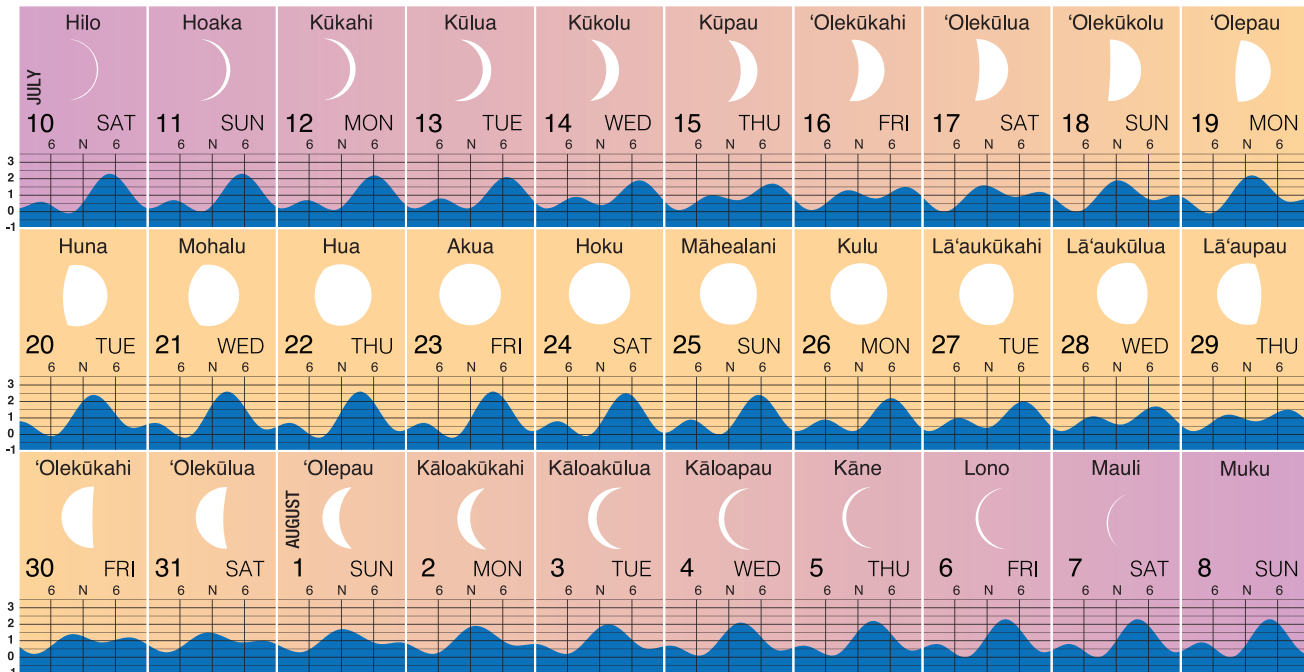
Ikiiki

Mei 12 - Iune 10, 2021



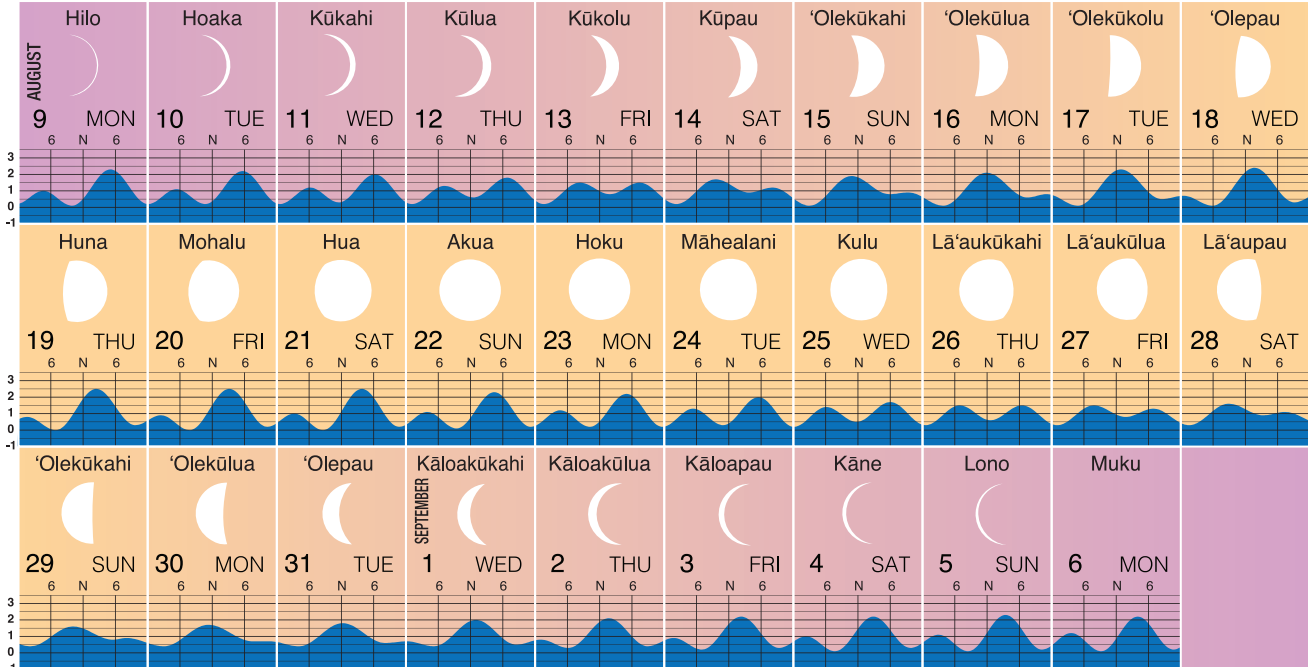
Hinaia'ele'ele

Iulai 10 - 'Akukake 8, 2021



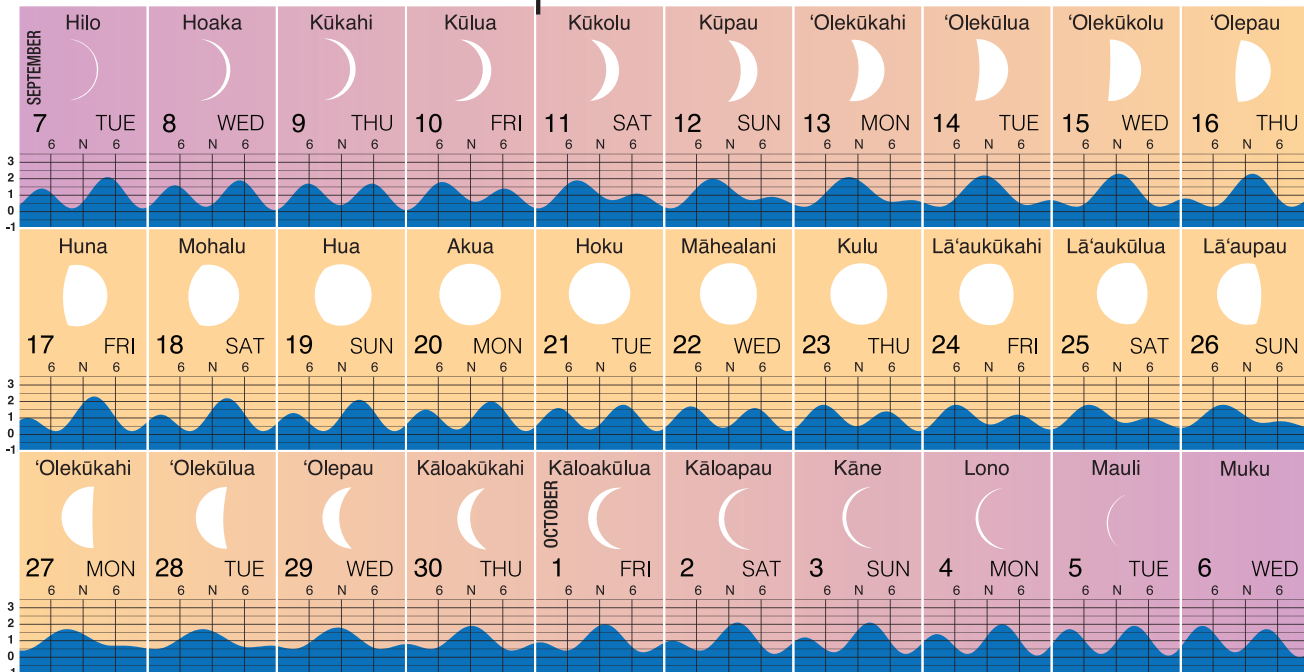
Mahoe Mua

'Akukake 9 - Kepakemape 6, 2021



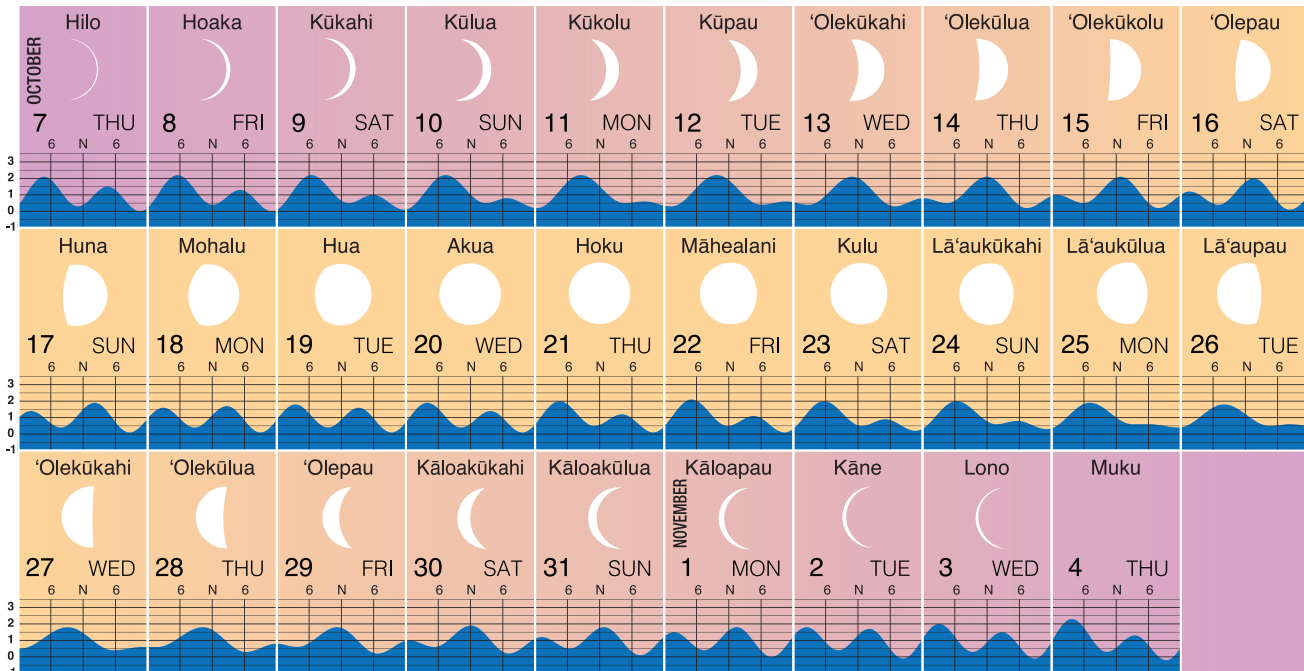
Mahoe Hope

Kepakemape 7 - 'Okakopa 6, 2021



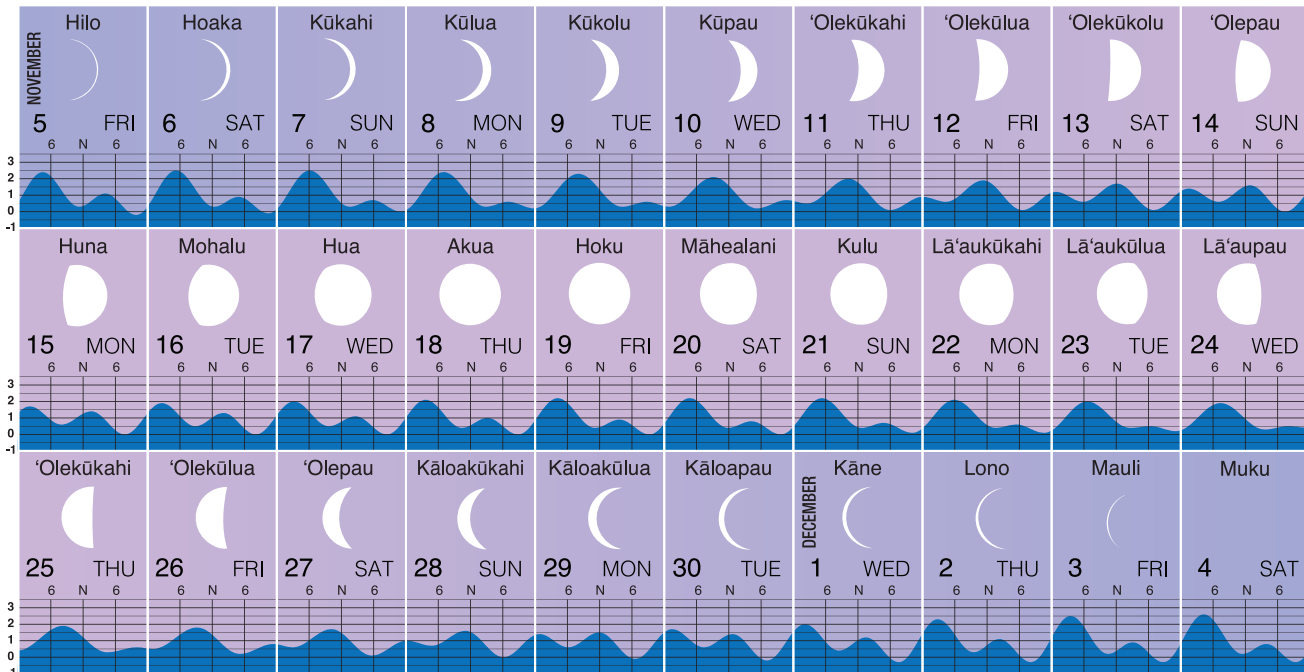
'Ikuwā

'Okakopa 7 - Nowemapa 4, 2021



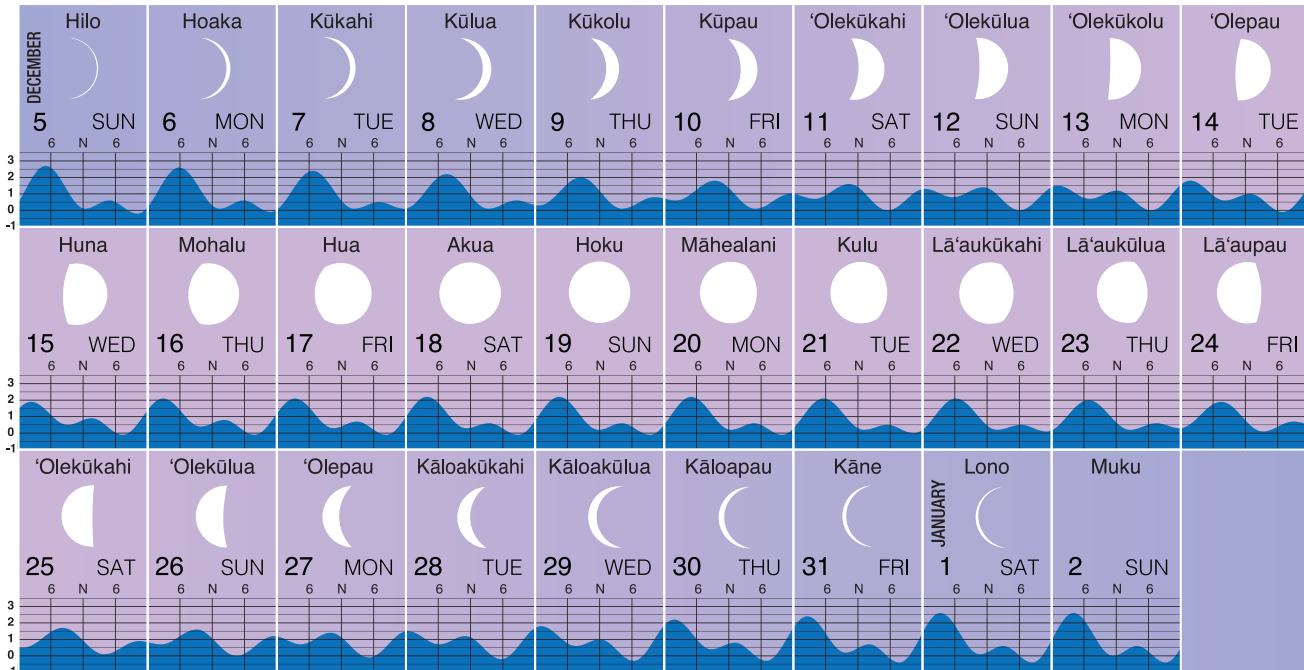
Welehu

Nowemapa 5 - Kēkēmapa 4, 2021



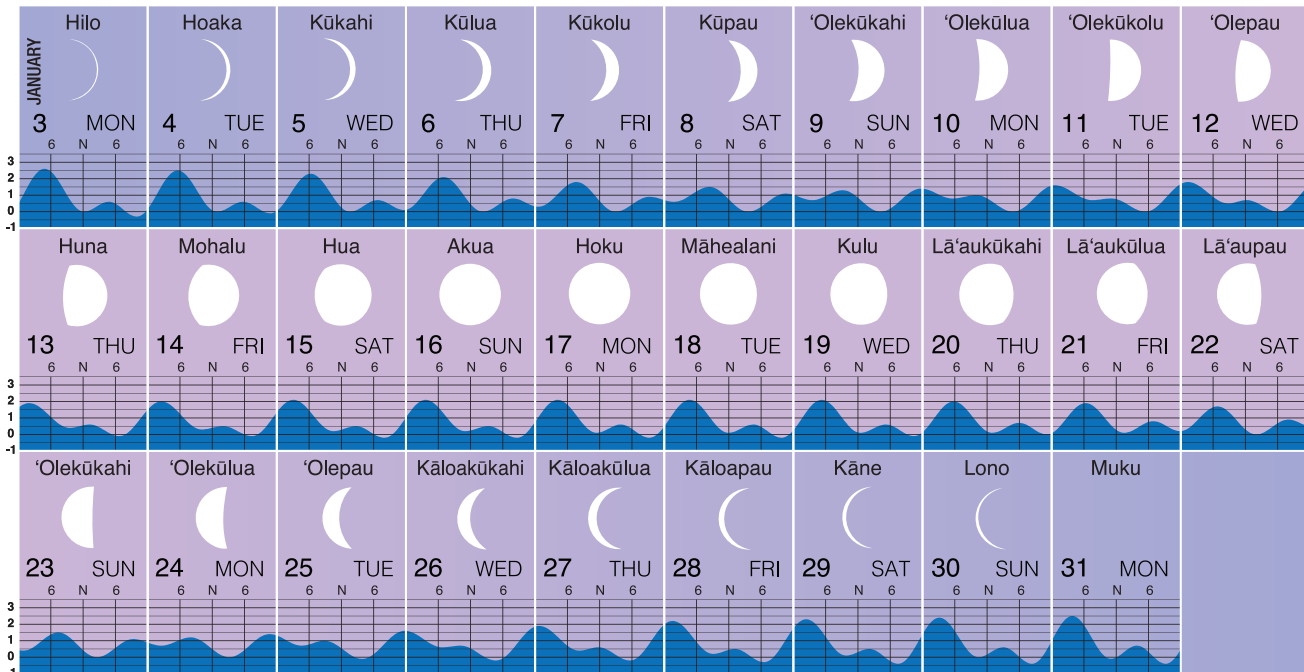
Makali'i

Kēkēmapa 5, 2021 - 'Ianuali 2, 2022



Kā'elo

'Ianauli 3 - 'Ianauli 31, 2022



About This Calendar

In the traditional Hawaiian calendar, the 29.5-day **mahina** (moon) cycle is divided into three **anahulu** (10-day periods): **ho'ouini** (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.

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Front Cover: **Ulua** (giant trevally) is a prized sport fish in Hawai'i.