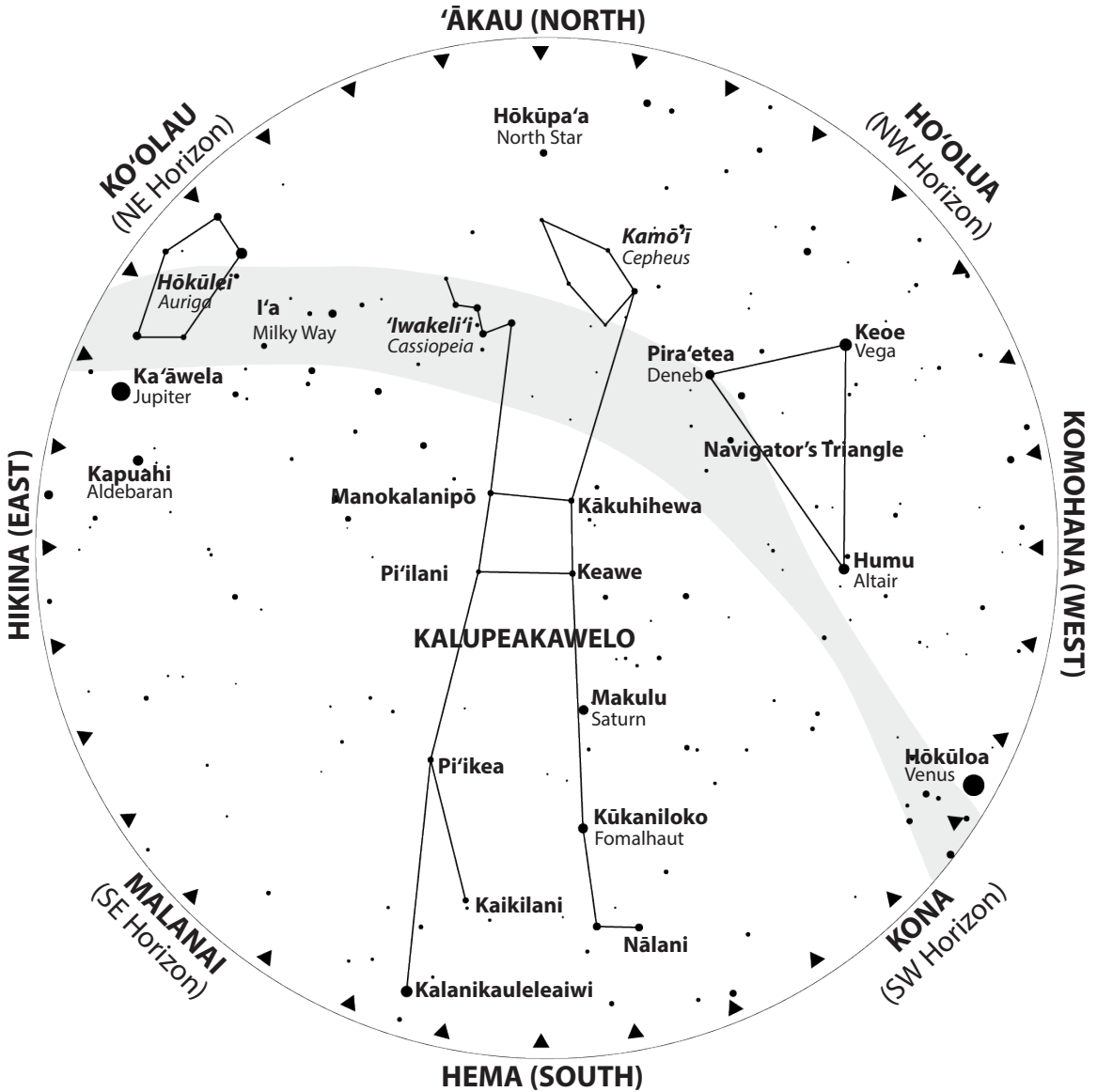


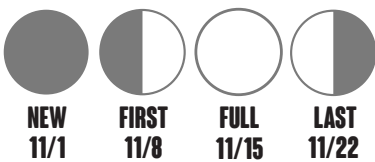
NOWEMAPA | NOVEMBER



THIS CHART REFLECTS THE NIGHT SKY OVER HAWAII AT 8PM

This star chart incorporates the Hawaiian Star Compass and is oriented for an observer looking up and facing South. In this orientation, the Hikina (East) horizon is on the left and the Komohana (West) horizon is on the right.

NOVEMBER MOON PHASES NOVEMBER HIGHLIGHTS



Makaliʻi

During November, the star cluster of Makaliʻi will rise in the quadrant of Koʻolau at the exact same time that the Sun sets. This is an important celestial indicator to begin the season of Makahiki.

Meteor Shower

Through November, the spectacular Leonids meteor shower will scatter our sky with shooting stars. The peak of the shower will occur Nov. 16-17 when observers should see up to 10 meteors each hour.

