

The yellow lady's slipper (*Cypripedium parviflorum*) is a large yellow-flowered orchid found in calcareous alkaline soils in Nova Scotia. It can be found in wetlands, along lakeshores, damp woodlands, and fens. It is a species of conservation concern, ranked as "Vulnerable – S3" by the Atlantic Canada Conservation Data Centre. This rank means that a species is at risk of extirpation due to having a small range, specific habitat conditions, and few populations around the Province. Yellow lady's slipper blooms in late May and early June in Nova Scotia. (IM)

MAY 2023

The Windsor area is the best place to find these flowers, where the gypsum-rich soils support these beautiful spring bloomers. These same soils also support three other species of *Cypripedium* found in the province, including the showy and the rams-head lady's slipper. When seeking out these plants, be sure to stay on the marked trails; the same habitat favored by these beauties is home to sinkholes! These plants have also been reported to result in cases of contact dermatitis, so if you're lucky to come across any—look, but don't touch. (IM)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	10:34 AM 8.4 m For low tide + or – 6 h 1	11:22 AM 9.3 m 2 1797: Abraham Gesner (geologist) born at Chipmans Corner.	12:07 PM 10.2 m 3	12:50 PM 11.2 m 4 Moonrise: 7:30 PM	1:33 PM 12.0 m 5 Frogs Croaking Moon ◯ Moonrise: 8:45 PM	2:16 PM 12.6 m 6 Moonrise: 10:03 PM
3:00 PM 12.9 m 7	3:47 PM 12.8 m 8	4:37 PM 12.5 m 9	5:31 PM 11.9 m 10 1994: Annular solar eclipse across N.S.	5:55 AM 11.7 m 11 6:29 PM 11.4 m 11	6:55 AM 11.1 m 12 7:31 PM 11.0 m 12 ●	7:59 AM 10.8 m 13 8:35 PM 10.9 m 13
9:03 AM 10.8 m 14 Mother's Day	10:05 AM 11.2 m 15 BNS Meeting 7:30 PM	11:02 AM 11.7 m 16	11:56 AM 12.3 m 17	12:45 PM 12.7 m 18	1:32 PM 12.8 m 19 1995: N.S. Duck Tolling Retriever named Provincial Dog. ●	2:17 PM 12.6 m 20
3:00 PM 12.2 m 21	3:44 PM 11.6 m 22 Victoria Day 1980: Mount St. Helens ash settles on Nova Scotia.	4:27 PM 10.8 m 23 1707: Carl Linnaeus (botanist, zoologist) born.	5:13 PM 10.0 m 24	5:32 AM 9.6 m 25 6:00 PM 9.2 m 25 1988: Red spruce chosen as Provincial Tree.	6:20 AM 8.8 m 26 6:50 PM 8.6 m 26 2005: Paul Corkum, Acadia physics grad, elected Fellow of the Royal Society.	7:12 AM 8.3 m 27 7:42 PM 8.3 m 27 ●
8:05 AM 8.0 m 28 8:34 PM 8.2 m 28 1890: John S. Foster (physicist, Fellow of the Royal Society) born at Clarence.	8:58 AM 8.1 m 29 1867: Ernest Haycock (geologist) born at Westport.	9:50 AM 8.6 m 30 2002: <i>Hylonomus lyelli</i> (reptile) chosen as provincial fossil.	10:40 AM 9.3 m 31	May 1st: Sunrise: 6:07 AM Sunset: 8:23 PM Sun's maximum noon altitude is 60°. This month's daily sunlight period gains about 67 min.	APRIL 2023 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	JUNE 2023 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

ENDANGERED: Ram's-Head Lady's Slipper
Unlike the showy, yellow, and pink lady's slippers, its three more eye-catching 'cousins', the ram's-head lady's slipper (*Cypripedium arietinum*) is a smaller and easily overlooked orchid. At risk over much of its range, it is found in Nova Scotia in only six areas with gypsum bedrock, around Windsor. Gypsum mining and other land development has led to considerable habitat loss over the years. Although mining in the Windsor area stopped in 2008, the lady's slipper is still threatened by local housing developments, ATV traffic, and competition from weedy exotic species. (PK)

Moving Westward and Eastward at the Same Time
A casual observer will observe that, like the Sun, the Moon moves westward across the sky if watched over several hours, due to the Earth's rotation. This is especially noticeable at full moon when the Moon rises near sunset, and is high in the sky by midnight. At the same time, the Moon's orbit around the Earth is moving it eastward, compared to the background stars. To orbit the Earth, the Moon traverses 360° in about 30 days, or 12° per day, or 0.5° per hour. The Moon's angular size is only 0.5°, so it moves its own width eastward every hour! The next time the Moon is near a bright star, look again in several hours and see just how quickly the Moon moves! (PK)