

Pacific Northwest Morel Key

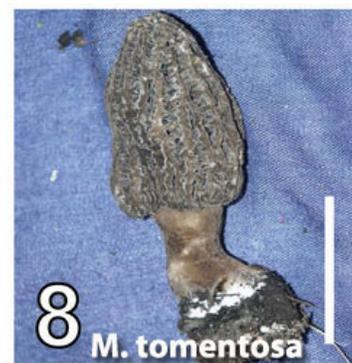
1. Ridges dark gray to brown or black when young or pale when young and darkening to brown or black with maturity → 2
- 1'. Ridges pale yellowish, pale brownish, or reddish throughout development → 7

2. Associated with cottonwoods in river bottoms; surface only partially attached to the stem (large sinus) → *Morchella populiphila* (was *M. semilibra*)
- 2'. Surface almost completely attached to the stem; small notch (sinus) at point of attachment → 3

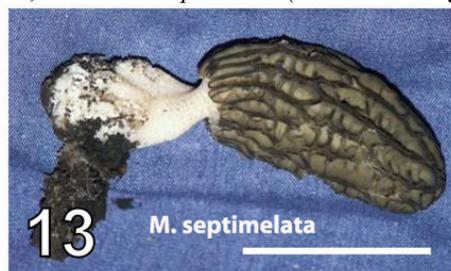
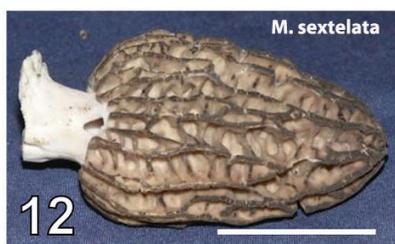
3. Appearing in disturbed or conifer burn sites → 4
- 3'. Not found in conifer burn sites, "natural" → 5



4. Surfaces densely hairy, surface and stem usually dark gray to black but sometimes becoming pale in direct sunlight → *Morchella tomentosa*



- 4'. ★ Surfaces smooth to finely hairy → *Morchella capitata*, *Morchella sextelata*, *Morchella septimelata* (was *M. elata* "group")



5. Pits and ridges usually arranged in a "laddered" vertical appearance, appearing in landscaping areas and woodchip beds → *Morchella importuna*
- 5'. Pits and ridges not usually arranged in a "laddered" vertical appearance → 6



6. ★ Ridges pale yellowish when young, often darkening somewhat later; stem strikingly ridged and pitted; generally with conifers → *Morchella snyderi*



6'. ★ Ridges dark brown to black when young; stem not strikingly ridged and pitted; generally with hardwoods → *Morchella brunnea*



7. Appearing in landscaping areas and woodchip beds in urban areas; bruising salmon pink to rusty brown → *Morchella rufobrunnea*

7'. Ridges pale brownish to smoky brown, not notably bruising → 8



8. ★ Subconic to conic, attached to the stem with a notable notch, ridges remaining relatively pale throughout development, ridges and pits evenly colored, stem not strikingly ridged and pitted → *Morchella frustrata* (was *M. esculenta*)



8'. Surface attached to the stem without a notable notch, found in river bottoms or in urban areas → *Morchella esculentoides* (was *M. esculenta*)



Adapted from:

Taxonomic revision of true morels (*Morchella*) in Canada and the United States

Kuo M, Dewsbury DR, O'Donnell K, Carter MC, Rehner SA, Moore JD,
Moncalvo JM, Canfield SA, Stephenson SL, Methven A, Volk TJ.

Mycologia. 2012 Apr 11.