The top of the Onondaga and equivalents is equal to the base of the Marcellus Formation but a subset of it. Specifically, the net shale map shows the thickness of the Qatka Creek Member of the Marcellus Formation/Upper Marcellus* and Union Springs Member of the Marcellus Formation/lower Marcellus.* Please see WVGES publication RI-35 (2018) for additional information.

1 Marcellus Wells
A completed Marcellus well has one or more zones in the Marcellus that have been prepared for production-the well may or may not be producing currently; a permitted Marcellus well is one with a Marcellus/Devonian shale or deeper target.

2 Marcellus Thickness
Marcellus thickness data do not represent the entire thickness of the Marcellus Formation but a subset of it. Specifically, the net shale map shows the thickness of the Qatka Creek Member of the Marcellus Formation/Upper Marcellus* and Union Springs Member of the Marcellus Formation/lower Marcellus.* Please see WVGES publication RI-35 (2018) for additional information.

3 Onondaga
The Onondaga Limestone and equivalents underlie the Marcellus Formation. The top of the Onondaga and equivalents is equal to the base of the Marcellus Formation.