



WV Vernal Pool Patrol Datasheet

Level 1: Complete light blue section;

Level 2: Complete light & medium blue sections;

Level 3: Complete all lines.

Please also visit iNaturalist and report your observations to the

[West Virginia Vernal Pools Project](https://www.inaturalist.org/projects/west-virginia-vernal-pools).


Found at:

<https://www.inaturalist.org/projects/west-virginia-vernal-pools>

Level #

and

Visit #:

| | | | | | | | |
|---|---|-----------------|---|---|----------------------------|-------------------------|----------------------------|
| Level 1 | Vernal Pool Name | | Date | | | | |
| | Vernal Pool Code (if known) | | Time | | | | |
| | Watershed/Ecoregion/County | | Current Air Temp | | C or F | | |
| | Vernal Pool Coordinates | | Lat: | Sky Code* | | | |
| | | | Long: | Wind Code* | | | |
| | Organization & Monitor Name(s) | | Org: | Monitors: | | | |
| | Pool Size (estimate) in meters (Estimate or measure when dry) | | Large golf umbrella | Parking space | 3-car garage | MLB infield | Walmart |
| | | | 1m ² | 10m ² | 100m ² | 1,000m ² | 10,000m ² |
| | | | Width | Length | | Meters/Feet | |
| | GPS (indicate unit of measure) | | | | | | |
| | Pool Type | | Naturally Occurring | Constructed | Log/Gas/Tire Rut | Other: | Unknown |
| | Egg Masses observed? PHOTO | | Yes / No | If yes, how many? | Abundant (>10) | Some (4 - 10) | Few (1-3) |
| | Pool has water? | | Yes / No | Full/Nearly Full | Partial | Near Dry | Dry |
| Ice Cover? If yes, ext. % | | Yes / No | Greater than 75% | 25 - 75% | Less than 25% | None | |
| Tree canopy above pool | | Yes / No | Greater than 75% | 25 - 75% | Less than 25% | None | |
| Level 2 | Woody debris in the pool | | Abundant (>50%) | Some (up to 50%) | None | Coarse* | Fine* |
| | Pool vegetation (circle all that are present) | | Floating or Submerged | Emergent (grasses, sedges, rushes) | Shrubs | Trees | None |
| | Natural Forest Buffer (10m % Intact) | | 75% or Greater | 25 - 75% | Less than 25% | None | |
| | Forest Buffer Dominant Type | | Broadleaf trees/shrubs | Conifers | Both | N/A (Inadequate buffer) | |
| | Forest Buffer Notes: | | | | | | |
| | Water Clarity/Turbidity | | Clear | Slightly Turbid | Turbid/Opaque | | |
| | Algae Abundance | | 75% or Greater | 25 - 75% | Less than 25% | None | |
| | Substrate | | Broadleaf | Conifer Leaf | Sediment | Other: | Unknown |
| | Identify amphibian adult, tadpole, and egg masses (if known) | | | | Adults | Tadpoles | Egg Masses |
| |  | | Wood frog, <i>L. sylvaticus</i> / <i>R. sylvatica</i> | | | | <input type="checkbox"/> # |
| | | | Spotted salamander, <i>A. maculatum</i> | | | | <input type="checkbox"/> # |
| | | | Eastern spadefoot toad, <i>S. holbrookii</i> | | | | <input type="checkbox"/> # |
| | | | Marbled salamander, <i>A. opacum</i> | | | | <input type="checkbox"/> # |
| | | | Jefferson salamander, <i>A. jeffersonianum</i> | | | | <input type="checkbox"/> # |
| | | | Small-mouthed salamander, <i>A. texanum</i> | | | | <input type="checkbox"/> # |
| Spring peeper, <i>Pseudacris crucifer</i> | | | | | <input type="checkbox"/> # | | |
| Streamside salamander, <i>A. barbouri</i> | | | | | <input type="checkbox"/> # | | |
| Other or unknown by observer: | | | | | <input type="checkbox"/> # | | |
| Any stranded egg masses? | | Yes | No | Percent of Pool Surveyed (Estimate) | | % | |
| Fish or green/bull frogs observed? | | Yes | No | (If yes, this may be indication this is not a vernal pool.) | | | |
| Other aquatic biota: | | Fairy Shrimp | Caddisfly | Dragonfly | Damselfly | Mayfly | |
| | | Aquatic Worms | Mosquito | Midges | Water Boatman | Water Strider | |
| | | Backswimmer | Predaceous Diving Beetle | | Other: | | |
| Other terrestrial biota: | | Rusty Blackbird | | | | | |
| Comments | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| | | | | | |
|--|-----------|----|------|-----------|--|
| Pool temperature | | pH | | Turbidity | |
| Conductivity | | | | | |
| Other observations/data collected: | | | | | |
| Type of equipment / kit Used: | | | | | |
| If you used a YSI/meter/pen, what was the last calibration date? | Month/Day | | Year | | |
| | | | | | |
| If a kit, are the chemicals within the expiration date? | YES | NO | | | |
| | | | | | |
| Comments: | | | | | |
| | | | | | |
| | | | | | |

DEFINITIONS & CODES

Coarse Woody Debris (CWD) Dead pieces of wood including downed, dead tree and shrub boles, large limbs, and other woody pieces that are severed from their original source of growth or are leaning more than 45 degrees from vertical. CWD transect diameter must be > 3.0 inches (7.6cm).

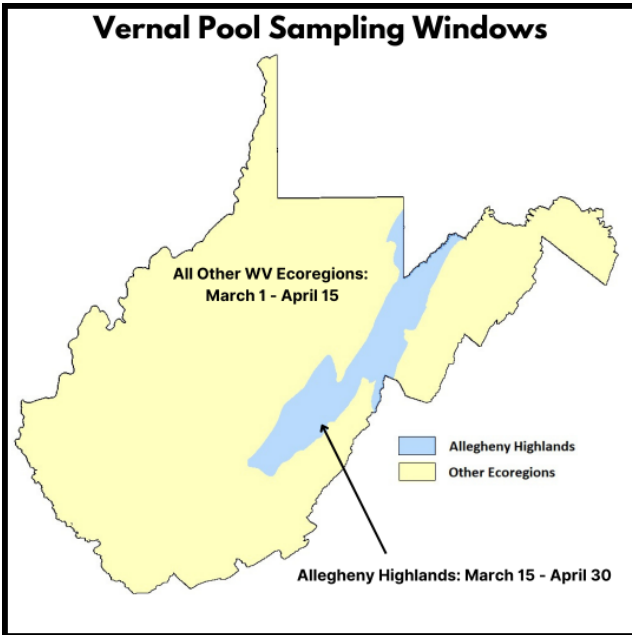
Fine Woody Debris (FWD) Dead branches, twigs, wood splinters 0.1 to 2.9 inches (0.3 - 7.4 cm) in diameter.

USGS-ARMI SKY CODE: Do not conduct surveys if sky codes are 6 or above.

USGS-ARMI SKY CODE

| Code | Sky Condition |
|------|---|
| 0 | Clear or few clouds (<20% of sky) |
| 1 | Partly cloudy or variable (20-50% of sky) |
| 2 | Cloudy or overcast (>50% of sky) |
| 3 | Fog |
| 4 | Mist |
| 5 | Showers or light rain |
| 6 | Heavy rain |
| 7 | Sleet/Hail |
| 8 | Snow |

Source: <https://www.nrs.fs.fed.us/fia/topics/dwm/glossary/>



USGS-ARMI WIND CODE:

USGS-ARMI WIND CODE: Do not conduct surveys if wind codes are 6 or above.

| Code | MPH | INDICATOR of wind speed: |
|------|-------|---|
| 0 | <1 | Calm, smoke rises vertically |
| 1 | 2-3 | Light air movement, smoke drifts |
| 2 | 4-7 | Light breeze, wind felt on face, leaves rustle |
| 3 | 8-12 | Gentle breeze, leaves/twigs in constant motion, raises dust |
| 4 | 13-18 | Moderate breeze, small branches move |
| 5 | 19-24 | Fresh breeze, small trees begin to sway |
| 6 | 25-31 | Strong breeze, large branches move |
| 7+ | >31 | Strong wind |

Sketch your vernal pool here, noting important features.

Email completed survey data sheets to: saveourstreams@wv.gov or mail to:
WV DEP - Save Our Streams Coordinator
 47 School Street, Suite 301
 Philippi, WV 26416