

|                        |                                      |                           |         |          |            |                    |        |  |  |
|------------------------|--------------------------------------|---------------------------|---------|----------|------------|--------------------|--------|--|--|
| Site:                  | Hanging Rock # 7                     |                           |         |          |            |                    |        |  |  |
| Locale:                | Hanging Rock # Monroe Twnshp John Co |                           |         |          |            |                    |        |  |  |
| Date:                  | May 31, 2011                         | 2002                      | 2 hours |          |            |                    |        |  |  |
| By:                    | Taliga                               |                           |         |          |            |                    |        |  |  |
| File:                  | c:\FQA\studies\ hanging rock.inv     |                           |         |          |            |                    |        |  |  |
| Notes:                 | Meander survey of roadside.          |                           |         |          |            |                    |        |  |  |
| Site:                  | Hanging Rock # 7                     |                           |         |          |            |                    |        |  |  |
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| By:                    | Taliga                               |                           |         |          |            |                    |        |  |  |
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| Notes:                 | Meander survey of roadside.          |                           |         |          |            |                    |        |  |  |
| FLORISTIC QUALITY DATA |                                      | Native                    | 55      | 75.30%   | Adventive  | 18                 | 24.70% |  |  |
| 55                     | NATIVE SPECIES                       | Tree                      | 8       | 11.00%   | Tree       | 0                  | 0.00%  |  |  |
| 73                     | Total Species                        | Shrub                     | 6       | 8.20%    | Shrub      | 2                  | 2.70%  |  |  |
| 2.9                    | NATIVE MEAN C                        | W-Vine                    | 5       | 6.80%    | W-Vine     | 0                  | 0.00%  |  |  |
| 2.2                    | W/Adventives                         | H-Vine                    | 2       | 2.70%    | H-Vine     | 0                  | 0.00%  |  |  |
| 21.3                   | NATIVE FQI                           | P-Forb                    | 21      | 28.80%   | P-Forb     | 5                  | 6.80%  |  |  |
| 18.5                   | W/Adventives                         | B-Forb                    | 3       | 4.10%    | B-Forb     | 6                  | 8.20%  |  |  |
| 1.4                    | NATIVE MEAN W                        | A-Forb                    | 6       | 8.20%    | A-Forb     | 1                  | 1.40%  |  |  |
| 1.8                    | W/Adventives                         | P-Grass                   | 2       | 2.70%    | P-Grass    | 4                  | 5.50%  |  |  |
| AVG:                   | Faculative (-)                       | A-Grass                   | 0       | 0.00%    | A-Grass    | 0                  | 0.00%  |  |  |
|                        |                                      | P-Sedge                   | 2       | 2.70%    | P-Sedge    | 0                  | 0.00%  |  |  |
|                        |                                      | A-Sedge                   | 0       | 0.00%    | A-Sedge    | 0                  | 0.00%  |  |  |
|                        |                                      | Fern                      | 0       | 0.00%    |            |                    |        |  |  |
| ACRONYM                | C                                    | SCIENTIFIC NAME           | W       | WETNESS  | PHYSIOGNOM | COMMON NAME        |        |  |  |
| ACENEG                 |                                      | 0 Acer negundo            |         | -2 FACW- | Nt Tree    | Box elder          |        |  |  |
| ALLPET                 |                                      | 0 ALLIARIA PETIOLATA      |         | 0 FAC    | Ad B-Forb  | Garlic mustard     |        |  |  |
| AMBART                 |                                      | 0 Ambrosia artemisiifolia |         | 3 FACU   | Nt A-Forb  | Common ragweed     |        |  |  |
| AMPBRB                 |                                      | 4 Amphicarpaea bracteata  |         | 0 FAC    | Nt H-Vine  | Hog peanut         |        |  |  |
| APIAME                 |                                      | 4 Apios americana         |         | -3 FACW  | Nt H-Vine  | Ground nut         |        |  |  |
| ARITRI                 |                                      | 4 Arisaema triphyllum     |         | -2 FACW- | Nt P-Forb  | Jack-in-the-pulpit |        |  |  |
| ASCSYR                 |                                      | 0 Asclepias syriaca       |         | 5 UPL    | Nt P-Forb  | Common milkweed    |        |  |  |
| ASTDRU                 |                                      | 4 Aster drummondii        |         | 3 FACU   | Nt P-Forb  | Drummond's aster   |        |  |  |

|        |   |                             |    |       |            |                       |  |  |
|--------|---|-----------------------------|----|-------|------------|-----------------------|--|--|
| ASTONT | 3 | Aster ontarionis            | 0  | FAC   | Nt P-Forb  | Ontario aster         |  |  |
| BROINE | 0 | BROMUS INERMIS              | 5  | UPL   | Ad P-Grass | Smooth brome          |  |  |
| CALSEP | 0 | Calystegia sepium           | 0  | FAC   | Nt P-Forb  | Hedge bindweed        |  |  |
| CAMAME | 4 | Campanula americana         | 0  | FAC   | Nt A-Forb  | Tall bellflower       |  |  |
| CARNUT | 0 | CARDUUS NUTANS              | 5  | UPL   | Ad B-Forb  | Musk thistle          |  |  |
| CXDAVI | 4 | Carex davisii               | -1 | FAC+  | Nt P-Sedge | Awned graceful sedge  |  |  |
| CXGRIS | 4 | Carex grisea                | 5  | UPL   | Nt P-Sedge | Gray sedge            |  |  |
| CAROVT | 5 | Carya ovata                 | 3  | FACU  | Nt Tree    | Shagbark hickory      |  |  |
| CELOCC | 2 | Celtis occidentalis         | 1  | FAC-  | Nt Tree    | Hackberry             |  |  |
| CIRDIS | 1 | Cirsium discolor            | 5  | UPL   | Nt B-Forb  | Pasture thistle       |  |  |
| CIRVUL | 0 | CIRSIUM VULGARE             | 4  | FACU- | Ad B-Forb  | Bull thistle          |  |  |
| CONCAN | 0 | Conyza canadensis           | 1  | FAC-  | Nt A-Forb  | Horseweed             |  |  |
| CORDRU | 4 | Cornus drummondii           | 0  | FAC   | Nt Shrub   | Rough-leaved dogwood  |  |  |
| CORSTS | 7 | Cornus stolonifera          | -3 | FACW  | Nt Shrub   | Red-osier dogwood     |  |  |
| CRYCAN | 4 | Cryptotaenia canadensis     | 0  | FAC   | Nt P-Forb  | Honewort              |  |  |
| DACGLO | 0 | DACTYLIS GLOMERATA          | 3  | FACU  | Ad P-Grass | Orchard grass         |  |  |
| ELYVIL | 5 | Elymus villosus             | 3  | FACU  | Nt P-Grass | Slender wild rye      |  |  |
| ERIANN | 0 | Erigeron annuus             | 1  | FAC-  | Nt B-Forb  | Annual fleabane       |  |  |
| FESOBT | 7 | Festuca obtusa              | 2  | FACU+ | Nt P-Grass | Nodding fescue        |  |  |
| GALCON | 7 | Galium concinnum            | 3  | FACU  | Nt P-Forb  | Shining bedstraw      |  |  |
| GLEHED | 0 | GLECHOMA HEDERACEA          | 4  | FACU- | Ad P-Forb  | Creeping Charlie      |  |  |
| GLETRI | 0 | Gleditsia triacanthos       | 0  | FAC   | Nt Tree    | Honey locust          |  |  |
| HELSTR | 5 | Helianthus strumosus        | 5  | UPL   | Nt P-Forb  | Pale-leaved sunflower |  |  |
| HEMFUL | 0 | HEMEROCALLIS FULVA          | 5  | UPL   | Ad P-Forb  | Day lily              |  |  |
| HESMAT | 0 | HESPERIS MATRONALIS         | 5  | UPL   | Ad P-Forb  | Dame's rocket         |  |  |
| JUNVIR | 1 | Juniperus virginiana        | 3  | FACU  | Nt Tree    | Red cedar             |  |  |
| LACFLO | 4 | Lactuca floridana           | 1  | FAC-  | Nt B-Forb  | Blue lettuce          |  |  |
| LEPCAM | 0 | LEPIDIUM CAMPESTRE          | 5  | UPL   | Ad B-Forb  | Field cress           |  |  |
| LONBEL | 0 | LONICERA X BELLA            | 5  | UPL   | Ad Shrub   | Showy fly honeysuckle |  |  |
| MEDLUP | 0 | MEDICAGO LUPULINA           | 1  | FAC-  | Ad A-Forb  | Black medick          |  |  |
| MELOFC | 0 | MELILOTUS OFFICINALIS       | 3  | FACU  | Ad B-Forb  | Yellow sweet clover   |  |  |
| MERVIR | 4 | Mertensia virginica         | -3 | FACW  | Nt P-Forb  | Virginia bluebells    |  |  |
| MONFIS | 2 | Monarda fistulosa           | 3  | FACU  | Nt P-Forb  | Wild bergamot         |  |  |
| OSMLON | 5 | Osmorhiza longistylis       | 4  | FACU- | Nt P-Forb  | Smooth sweet cicely   |  |  |
| OXASTR | 0 | Oxalis stricta              | 3  | FACU  | Nt P-Forb  | Tall wood sorrel      |  |  |
| PARQUI | 2 | Parthenocissus quinquefolia | 1  | FAC-  | Nt W-Vine  | Virginia creeper      |  |  |
| PARVIT | 1 | Parthenocissus vitacea      | 3  | FACU  | Nt W-Vine  | Thicket creeper       |  |  |

|        |                          |          |            |                        |  |  |
|--------|--------------------------|----------|------------|------------------------|--|--|
| PASSAT | 0 PASTINACA SATIVA       | 5 UPL    | Ad B-Forb  | Wild parsnip           |  |  |
| PHAARU | 0 PHALARIS ARUNDINACEA   | -4 FACW+ | Ad P-Grass | Reed canary grass      |  |  |
| PILPUM | 3 Pilea pumila           | -3 FACW  | Nt A-Forb  | Common clearweed       |  |  |
| PLARUG | 0 Plantago rugelii       | 0 FAC    | Nt A-Forb  | Red-stalked plantain   |  |  |
| POAPRA | 0 POA PRATENSIS          | 1 FAC-   | Ad P-Grass | Kentucky blue grass    |  |  |
| POLBIF | 4 Polygonatum biflorum   | 3 FACU   | Nt P-Forb  | Solomon's seal         |  |  |
| PRUSER | 3 Prunus serotina        | 3 FACU   | Nt Tree    | Wild black cherry      |  |  |
| QUEMAC | 4 Quercus macrocarpa     | 1 FAC-   | Nt Tree    | Bur oak                |  |  |
| QUEVEL | 4 Quercus velutina       | 5 UPL    | Nt Tree    | Black oak              |  |  |
| RHUGLA | 0 Rhus glabra            | 5 UPL    | Nt Shrub   | Smooth sumac           |  |  |
| RIBMIS | 3 Ribes missouriense     | 5 UPL    | Nt Shrub   | Wild gooseberry        |  |  |
| ROSMUL | 0 ROSA MULTIFLORA        | 3 FACU   | Ad Shrub   | Multiflora rose        |  |  |
| RUBOCC | 1 Rubus occidentalis     | 5 UPL    | Nt Shrub   | Black raspberry        |  |  |
| RUDLAC | 4 Rudbeckia laciniata    | -4 FACW+ | Nt P-Forb  | Wild golden glow       |  |  |
| RUMCRI | 0 RUMEX CRISPUS          | -1 FAC+  | Ad P-Forb  | Curly dock             |  |  |
| SAMCAN | 1 Sambucus canadensis    | 4 FACU-  | Nt Shrub   | Elderberry             |  |  |
| SANGRE | 5 Sanicula gregaria      | -1 FAC+  | Nt P-Forb  | Common snakeroot       |  |  |
| SENAUR | 4 Senecio aureus         | -3 FACW  | Nt P-Forb  | Golden ragwort         |  |  |
| SMIRAC | 4 Smilacina racemosa     | 3 FACU   | Nt P-Forb  | False Solomon's seal   |  |  |
| SMIECI | 6 Smilax ecirrhata       | 5 UPL    | Nt P-Forb  | Upright carrion flower |  |  |
| SMIHIS | 4 Smilax hispida         | 0 FAC    | Nt W-Vine  | Greenbrier             |  |  |
| SOLCAN | 0 Solidago canadensis    | 3 FACU   | Nt P-Forb  | Tall goldenrod         |  |  |
| SOLULM | 6 Solidago ulmifolia     | 5 UPL    | Nt P-Forb  | Elm-leaved goldenrod   |  |  |
| TAROFF | 0 TARAXACUM OFFICINALE   | 3 FACU   | Ad P-Forb  | Common dandelion       |  |  |
| TOXRAD | 0 Toxicodendron radicans | -1 FAC+  | Nt W-Vine  | Poison ivy             |  |  |
| TRIPEA | 3 Triodanis perfoliata   | 0 FAC    | Nt A-Forb  | Venus' looking glass   |  |  |
| VIOSOR | 1 Viola sororia          | 1 FAC-   | Nt P-Forb  | Hairy blue violet      |  |  |
| VITRIP | 1 Vitis riparia          | -2 FACW- | Nt W-Vine  | Riverbank grape        |  |  |