

Site:	Johnson/Musc Rd. btwn 680th & John/Louisa								
Locale:	John Co Rd Survey								
Date:	Aug 3, 2011	2002	2 hours						
	Jul 4, 2011	2002	3 hours						
	Jul 14, 2011	2002	3 hours						
	Jun 29, 2011	2002	4 hours						
By:	Taliga								
File:	c:\FQA\studies\johnson co rd inv\Freemont\john-musc roadside.inv								
Notes:	Meander survey for the entire mile stretch.								
Site:	Johnson/Musc Rd. btwn 680th & John/Louisa								
Locale:	John Co Rd Survey								
Date:	Aug 3, 2011	2002	2 hours						
	Jul 4, 2011	2002	3 hours						
	Jul 14, 2011	2002	3 hours						
	Jun 29, 2011	2002	4 hours						
By:	Taliga								
File:	c:\FQA\studies\johnson co rd inv\Freemont\john-musc roadside.inv								
Notes:	Meander survey for the entire mile stretch.								
FLORISTIC QUALITY DATA			Native	101	86.30%		Adventiv	16	13.70%
101	NATIVE SPECIES		Tree	4	3.40%		Tree	1	0.90%
117	Total Species		Shrub	9	7.70%		Shrub	0	0.00%
3.3	NATIVE MEAN C		W-Vine	2	1.70%		W-Vine	0	0.00%
2.8	W/Adventives		H-Vine	0	0.00%		H-Vine	0	0.00%
33.0	NATIVE FQI		P-Forb	48	41.00%		P-Forb	5	4.30%
30.7	W/Adventives		B-Forb	3	2.60%		B-Forb	5	4.30%
-0.2	NATIVE MEAN W		A-Forb	8	6.80%		A-Forb	1	0.90%
0.1	W/Adventives		P-Grass	7	6.00%		P-Grass	4	3.40%
AVG:	Faculative		A-Grass	1	0.90%		A-Grass	0	0.00%
			P-Sedge	16	13.70%		P-Sedge	0	0.00%
			A-Sedge	0	0.00%		A-Sedge	0	0.00%
			Fern	3	2.60%				
ACRONYM	C	SCIENTIFIC NAME	W	WETNES:	PHYSIOGNOM:	COMMON NAME			

ACENEG	0	Acer negundo	-2	FACW-	Nt Tree	Box elder		
ACHMIL	0	Achillea millefolium ssp. lanulosa	3	FACU	Nt P-Forb	Western yarrow		
AGRRER	0	AGROPYRON REPENS	3	FACU	Ad P-Grass	Quack grass		
ALLCAC	6	Allium canadense	3	FACU	Nt P-Forb	Wild onion		
AMATUB	0	Amaranthus tuberculatus	-5	OBL	Nt A-Forb	Water hemp		
AMBART	0	Ambrosia artemisiifolia	3	FACU	Nt A-Forb	Common ragweed		
AMBTRI	0	Ambrosia trifida	-1	FAC+	Nt A-Forb	Giant ragweed		
ANDGER	4	Andropogon gerardii	1	FAC-	Nt P-Grass	Big bluestem grass		
ANECAN	2	Anemone canadensis	-3	FACW	Nt P-Forb	Canada anemone		
APOSIB	1	Apocynum sibiricum	-1	FAC+	Nt P-Forb	Indian hemp		
ASCINC	4	Asclepias incarnata	-5	OBL	Nt P-Forb	Swamp milkweed		
ASCSUL	7	Asclepias sullivantii	5	UPL	Nt P-Forb	Prairie milkweed		
ASCSYR	0	Asclepias syriaca	5	UPL	Nt P-Forb	Common milkweed		
ASCVER	0	Asclepias verticillata	5	UPL	Nt P-Forb	Whorled milkweed		
ASTLAN	4	Aster lanceolatus	-5	OBL	Nt P-Forb	Panicled aster		
ASTPIL	0	Aster pilosus	4	FACU-	Nt P-Forb	Hairy aster		
BIDPOL	3	Bidens polylepis	-3	FACW	Nt A-Forb	Bur marigold		
BROINE	0	BROMUS INERMIS	5	UPL	Ad P-Grass	Smooth brome		
CALCAN	5	Calamagrostis canadensis	-5	OBL	Nt P-Grass	Blue joint grass		
CALSEP	0	Calystegia sepium	0	FAC	Nt P-Forb	Hedge bindweed		
CXALOP	5	Carex alopecoidea	-4	FACW+	Nt P-Sedge	Brown-headed fox sedge		
CXATHE	8	Carex atherodes	-5	OBL	Nt P-Sedge	Hairy-leaved lake sedge		
CXBREV	4	Carex brevior	0	FAC	Nt P-Sedge	Plains oval sedge		
CXEMOR	6	Carex emoryi	-5	OBL	Nt P-Sedge	Riverbank sedge		
CXGRVG	1	Carex gravida	5	UPL	Nt P-Sedge	Long-awned bracted sedge		
CXLACU	7	Carex lacustris	-5	OBL	Nt P-Sedge	Common lake sedge		
CXMOLE	2	Carex molesta	0	FAC	Nt P-Sedge	Field oval sedge		
CXNORM	5	Carex normalis	-3	FACW	Nt P-Sedge	Spreading oval sedge		
CXPELL	4	Carex pellita	-5	OBL	Nt P-Sedge	Broad-leaved woolly sedge		
CXTENE	8	Carex tenera	-1	FAC+	Nt P-Sedge	Narrow-leaved oval sedge		
CXTRIB	3	Carex tribuloides	-4	FACW+	Nt P-Sedge	Awl-fruited oval sedge		
CXTRIC	8	Carex trichocarpa	-5	OBL	Nt P-Sedge	Hairy-fruited lake sedge		
CXVULP	3	Carex vulpinoidea	-5	OBL	Nt P-Sedge	Brown fox sedge		
CIRARV	0	CIRSIUM ARVENSE	3	FACU	Ad P-Forb	Field thistle		
CIRDIS	1	Cirsium discolor	5	UPL	Nt B-Forb	Pasture thistle		

CORDRU	4	Cornus drummondii	0	FAC	Nt Shrub	Rough-leaved dogwood		
CORAME	3	Corylus americana	0	FAC	Nt Shrub	American hazelnut		
ELEERY	4	Eleocharis erythropoda	-5	OBL	Nt P-Sedge	Red-rooted spike rush		
ELYCAN	5	Elymus canadensis	1	FAC-	Nt P-Grass	Canada wild rye		
ELYVIR	3	Elymus virginicus	-2	FACW-	Nt P-Grass	Virginia wild rye		
EQUARV	0	Equisetum arvense	0	FAC	Nt Fern	Common horsetail		
EQUHYE	1	Equisetum hyemale	-2	FACW-	Nt Fern	Common scouring rush		
EQULAE	6	Equisetum laevigatum	-3	FACW	Nt Fern	Smooth scouring rush		
ERIANN	0	Erigeron annuus	1	FAC-	Nt B-Forb	Annual fleabane		
ERYYUC	8	Eryngium yuccifolium	-1	FAC+	Nt P-Forb	Rattlesnake master		
FRAVIR	3	Fragaria virginiana	1	FAC-	Nt P-Forb	Wild strawberry		
GALAPA	1	Galium aparine	3	FACU	Nt A-Forb	Cleavers		
GALTRO	7	Galium triflorum	2	FACU+	Nt P-Forb	Sweet-scented bedstraw		
GEUALS	6	Geum aleppicum var. strictum	-1	FAC+	Nt P-Forb	Yellow avens		
GEUCAN	2	Geum canadense	0	FAC	Nt P-Forb	White avens		
HELGRO	4	Helianthus grosseserratus	-2	FACW-	Nt P-Forb	Saw-tooth sunflower		
HELHEL	4	Heliopsis helianthoides	5	UPL	Nt P-Forb	False sunflower		
HYPSPH	6	Hypericum sphaerocarpum	3	FACU	Nt P-Forb	Round-fruited St. John's wort		
JUNDUD	2	Juncus dudleyi	0	FAC	Nt P-Forb	Dudley's rush		
LACSER	0	LACTUCA SERRIOLA	0	FAC	Ad B-Forb	Prickly lettuce		
LATOCH	7	Lathyrus ochroleucus	5	UPL	Nt P-Forb	Pale vetchling		
LATPAL	7	Lathyrus palustris	-3	FACW	Nt P-Forb	Marsh vetchling		
LYCAME	4	Lycopus americanus	-5	OBL	Nt P-Forb	Common water horehound		
LYTALA	3	Lythrum alatum	-5	OBL	Nt P-Forb	Winged loosestrife		
MALIOE	4	Malus ioensis	5	UPL	Nt Tree	Iowa crab		
MEDLUP	0	MEDICAGO LUPULINA	1	FAC-	Ad A-Forb	Black medick		
MELALB	0	MELILOTUS ALBA	3	FACU	Ad B-Forb	White sweet clover		
MELOFC	0	MELILOTUS OFFICINALIS	3	FACU	Ad B-Forb	Yellow sweet clover		
MORALB	0	MORUS ALBA	0	FAC	Ad Tree	White mulberry		
MUHMEX	5	Muhlenbergia mexicana	-3	FACW	Nt P-Grass	Leafy satin grass		
NEPCAT	0	NEPETA CATARIA	1	FAC-	Ad P-Forb	Catnip		
OXADIL	0	Oxalis dillenii	5	UPL	Nt P-Forb	Common wood sorrel		
PANVIR	5	Panicum virgatum	-1	FAC+	Nt A-Grass	Switch grass		
PASSAT	0	PASTINACA SATIVA	5	UPL	Ad B-Forb	Wild parsnip		
PHAARU	0	PHALARIS ARUNDINACEA	-4	FACW+	Ad P-Grass	Reed canary grass		

PHYLON	0	Physalis longifolia	5	UPL	Nt P-Forb	Tall ground cherry		
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		
POLAME	3	Polygonum amphibium var. emersum	-5	OBL	Nt P-Forb	Water heartsease		
POPDEL	1	Populus deltoides	-1	FAC+	Nt Tree	Cottonwood		
POTNOR	2	Potentilla norvegica	0	FAC	Nt A-Forb	Norway cinquefoil		
PRUVUL	0	Prunella vulgaris var. lanceolata	0	FAC	Nt P-Forb	Self heal		
PRUAMA	2	Prunus americana	5	UPL	Nt Tree	Smooth wild plum		
PYCVIR	4	Pycnanthemum virginianum	-4	FACW+	Nt P-Forb	Common mountain mint		
RATPIN	4	Ratibida pinnata	5	UPL	Nt P-Forb	Gray-headed coneflower		
RHUTYP	3	Rhus typhina	5	UPL	Nt Shrub	Staghorn sumac		
ROSBLA	4	Rosa blanda	3	FACU	Nt Shrub	Meadow rose		
ROSCAR	4	Rosa carolina	4	FACU-	Nt Shrub	Pasture rose		
RUBALL	2	Rubus allegheniensis	2	FACU+	Nt Shrub	Common blackberry		
RUDSUB	4	Rudbeckia subtomentosa	-3	FACW	Nt P-Forb	Sweet black-eyed Susan		
RUMALT	0	Rumex altissimus	4	FACU-	Nt P-Forb	Pale dock		
RUMCRI	0	RUMEX CRISPUS	-1	FAC+	Ad P-Forb	Curly dock		
SALPET	8	Salix petiolaris	-5	OBL	Nt Shrub	Meadow willow		
SAMCAN	1	Sambucus canadensis	4	FACU-	Nt Shrub	Elderberry		
SANCAS	6	Sanicula canadensis	2	FACU+	Nt B-Forb	Black snakeroot		
SANGRE	5	Sanicula gregaria	-1	FAC+	Nt P-Forb	Common snakeroot		
SCIATR	1	Scirpus atrovirens	-5	OBL	Nt P-Sedge	Dark green rush		
SCIFLU	5	Scirpus fluviatilis	-5	OBL	Nt P-Sedge	River bulrush		
SILSTE	4	Silene stellata	5	UPL	Nt P-Forb	Starry campion		
SILINT	4	Silphium integrifolium	5	UPL	Nt P-Forb	Rosin weed		
SILLAC	7	Silphium laciniatum	4	FACU-	Nt P-Forb	Compass plant		
SMISTE	5	Smilacina stellata	1	FAC-	Nt P-Forb	Starry false Solomon's seal		
SOLAME	0	Solanum americanum	4	FACU-	Nt A-Forb	Black nightshade		
SOLCAR	0	Solanum carolinense	4	FACU-	Nt P-Forb	Horse nettle		
SOLCAN	0	Solidago canadensis	3	FACU	Nt P-Forb	Tall goldenrod		
SOLGIG	3	Solidago gigantea	-3	FACW	Nt P-Forb	Smooth goldenrod		
SPAPEC	4	Spartina pectinata	-4	FACW+	Nt P-Grass	Prairie cord grass		
SPIALB	5	Spiraea alba	-4	FACW+	Nt Shrub	Meadowsweet		
SPOASP	3	Sporobolus asper	5	UPL	Nt P-Grass	Rough dropseed		

STAPAL	4	Stachys palustris	-5	OBL	Nt P-Forb	Woundwort			
TEUCAN	4	Teucrium canadense	-2	FACW-	Nt P-Forb	Germander			
THADAD	4	Thalictrum dasycarpum	-2	FACW-	Nt P-Forb	Purple meadow rue			
TOXRAD	0	Toxicodendron radicans	-1	FAC+	Nt W-Vine	Poison ivy			
TRAOHI	4	Tradescantia ohiensis	2	FACU+	Nt P-Forb	Common spiderwort			
TRAPRA	0	TRAGOPOGON PRATENSIS	5	UPL	Ad B-Forb	Common goat's beard			
TRIHYP	0	TRIFOLIUM HYBRIDUM	1	FAC-	Ad P-Forb	Alsike clover			
TRIPRA	0	TRIFOLIUM PRATENSE	2	FACU+	Ad P-Forb	Red clover			
VERFAS	1	Vernonia fasciculata	-3	FACW	Nt P-Forb	Ironweed			
VERVIM	5	Veronicastrum virginicum	0	FAC	Nt P-Forb	Culver's root			
VITRIP	1	Vitis riparia	-2	FACW-	Nt W-Vine	Riverbank grape			
ZIZAUR	6	Zizia aurea	-1	FAC+	Nt P-Forb	Golden alexanders			