

Oak Glen Pipeline
Release Incident

APPENDIX

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2018 Herbaceous and Small Woody
Vegetation Field Data – Phase 1 and
Phase 2 Areas

2018 Oak Glen Nature Preserve Herbaceous and Small (<1 meter) Woody Vegetation Sampling Data

Site: Oak Glen Nature Preserve
Locale: Hamilton County, Ohio
Date: 13-Sep 2018
10-Oct 2018
By: Kaitlin Hillier

PHYSIOGNOMIC RELATIVE IMPORTANCE VALUES

PHYSIOGNOMY	Relative Cover
Nt P-Forb	15.1
Nt A-Forb	17.6
Nt Tree	17
Ad A-Grass	13.4
Nt B-Forb	9.9
Ad P-Forb	5.8
Nt W-Vine	2.3
Nt P-Sedge	3.1
Ad A-Forb	3.3
Ad B-Forb	1.3
Nt P-Grass	2
Nt Shrub	3.3
Nt A-Grass	2.3
Nt H-Vine	1.9
Ad Shrub	1.5
Nt Fern	0.2

SPECIES RELATIVE IMPORTANCE VALUES

Scientific Name	C-Value	WETNESS	Aerial Coverage
SOIL	0	N/A	11.6
<i>MICROSTEGIUM VIMINEUM</i>	0	FAC	7.4
<i>Sanicula canadensis</i>	2	FACU+	8.7
<i>Asimina triloba</i>	6	FAC	10.2
<i>Ageratina altissima</i>	2	FACU	6
<i>Bidens frondosa</i>	1	FACW	7
<i>PERSICARIA CAESPITOSA</i>	0	UPL	2.8
<i>ALLIARIA PETIOLATA</i>	0	FAC	1
<i>Parthenocissus quinquefolia</i>	2	FAC-	1.8
<i>Carex blanda</i>	1	FAC	2.4
<i>Elymus virginicus</i>	3	FACW-	1.2
<i>DIGITARIA ISCHAEMUM</i>	0	FACU	2.3
<i>Impatiens capensis</i>	2	FACW	1.8
<i>TRIFOLIUM REPENS</i>	0	FACU+	2.5
<i>Ambrosia artemisiifolia</i> v. <i>elatior</i>	0	FACU	2.3
<i>Fraxinus americana</i>	4	FACU	1.5

<i>Pilea pumila</i>	2	FACW	0.7
TRIFOLIUM PRATENSE	0	FACU+	2.2
<i>Amphicarpaea bracteata</i> v. <i>bracteata</i>	5	FAC	1.7
<i>Geum canadense</i>	1	FAC	1.8
SETARIA FABERI	0	FACU+	1.6
<i>Panicum dichotomiflorum</i>	0	FACW-	1.8
LONICERA MAACKII	0	UPL	1.3
<i>Acalypha rhomboidea</i>	0	FACU	0.4
<i>Acer negundo</i>	1	FACW-	0.6
<i>Xanthium strumarium</i>	0	FAC	1.5
<i>Conyza canadensis</i>	0	FAC-	0.8
<i>Lindera benzoin</i>	5	OBL	1.1
<i>Lobelia siphilitica</i>	3	FACW+	0.8
<i>Packera glabella</i>	0	OBL	0.7
<i>Solidago canadensis</i>	0	FACU	0.8
<i>Symphyotrichum ericoides</i>	4	FACU-	0.8
<i>Asarum canadense</i>	5	UPL	0.5
ECHINOCHLOA CRUS-GALLI	0	FACW	0.5
<i>Platanus occidentalis</i>	3	FACW	0.5
<i>Populus deltoides</i>	1	FAC+	0.6
<i>Acer saccharum</i> s. <i>saccharum</i>	4	FACU	0.4
<i>Carex frankii</i>	2	OBL	0.4
<i>Elymus villosus</i>	4	FACU	0.5
<i>Galium asprellum</i>	7	OBL	0.3
<i>Prunus serotina</i>	1	FACU	0.5
<i>Viburnum acerifolium</i>	8	UPL	1
<i>Viola sororia</i>	1	FAC-	0.2
<i>Vitis riparia</i>	1	FACW-	0.1
<i>Ribes missouriense</i>	3	UPL	0.8
<i>Celtis occidentalis</i>	3	FAC-	0.4
<i>Chamaecrista fasciculata</i>	2	FACU-	0.1
<i>Elymus hystrix</i>	5	UPL	0.1
<i>Heliopsis helianthoides</i>	4	UPL	0.4
<i>Panicum capillare</i>	0	FAC	0.2
<i>Verbesina alternifolia</i>	3	FACW	0.3
DAUCUS CAROTA	0	FACU-	0.1
<i>Hydrophyllum virginianum</i>	4	FACW-	0.1
MELILOTUS OFFICINALIS	0	FACU	0.1
<i>Rudbeckia laciniata</i>	3	FACW+	0.4
<i>Symphyotrichum pilosum</i> v. <i>pilosum</i>	0	FACU-	0.3
<i>Toxicodendron radicans</i> s. <i>negundo</i>	1	UPL	0.1
ABUTILON THEOPHRASTI	0	FACU-	0.1
<i>Acer saccharinum</i>	1	FACW	0
<i>Asclepias syriaca</i>	1	UPL	0.2
CIRSIUM ARVENSE	0	FACU	0.2

<i>Cornus obliqua</i>	5	OBL	0.1
<i>Cyperus esculentus</i>	0	FACW	0
<i>Galium aparine</i>	1	FACU	0.1
<i>Juglans nigra</i>	2	FACU	0.2
<i>Polystichum acrostichoides</i>	5	UPL	0.2
<i>Symphyotrichum cordifolium</i>	5	UPL	0.2
<i>TARAXACUM OFFICINALE</i>	0	FACU	0.1
<i>Tovara virginiana</i>	3	FAC	0.1
<i>Cercis canadensis</i>	3	FACU	0
<i>Chamaesyce nutans</i>	0	FACU-	0.1
<i>Elymus canadensis</i>	5	FAC-	0
<i>HYPERICUM PERFORATUM</i>	0	UPL	0.1
<i>LOTUS CORNICULATUS</i>	0	FAC-	0.1
<i>Monotropa uniflora</i>	7	FACU	0
<i>Oxalis stricta</i>	0	FACU	0
<i>Persicaria punctata</i>	3	OBL	0
<i>Quercus bicolor</i>	7	FACW+	0
<i>SETARIA PUMILA</i>	0	FAC	0
<i>Smilax rotundifolia</i>	4	FAC	0
<i>Symphyotrichum lateriflorum</i>	3	FACW-	0
<i>Symphyotrichum novae-angliae</i>	3	FACW	0
<i>Ulmus americana</i>	3	FACW-	0
<i>Verbena urticifolia</i> v. <i>urticifolia</i>	3	FAC+	0

TRANSECT DATA

TRANSECT STRING

QUAD 1
 ACRONYM COVER
 ALLPET 10
 ASITRI 85
 SOIL 90

QUAD 2
 ACRONYM COVER
 ALLPET 1
 ASITRI 40
 POLACR 10
 SOIL 90

QUAD	3
ACRONYM	COVER
ALLPET	1
CXBLAN	3
ELYVIR	3
IMPCAP	1
MICVIM	1
PERCAE	10
SOIL	75

QUAD	4
ACRONYM	COVER
ALLPET	1
ELYVIR	10
FRAAME	15
LONMAA	10
MICVIM	1
PARQUI	1
SOIL	40

QUAD	5
ACRONYM	COVER
AGEALT	15
ELYVIR	1
IMPCAP	20
MICVIM	10
PILPUM	3
SOIL	5

QUAD	6
ACRONYM	COVER
AGEALT	15
ALLPET	1
ELYHYS	1
ELYVIR	1
IMPCAP	3
MICVIM	30
SMIROT	1

QUAD	7
ACRONYM	COVER
AGEALT	10
ALLPET	1
AMPBRB	5
IMPCAP	5
MICVIM	10
PARQUI	5
SANCAC	5
SOIL	15

QUAD	8
ACRONYM	COVER
AGEALT	1
FRAAME	1
IMPCAP	1
MICVIM	5
PARQUI	1
QUEBIC	1

QUAD	9
ACRONYM	COVER
AGEALT	1
ASACAN	1
ASITRI	25
ELYVIR	5
MICVIM	1
SOIL	5

QUAD	10
ACRONYM	COVER
ALLPET	1
ELYVIR	1
FRAAME	1
MICVIM	10
PARQUI	1

QUAD	11
ACRONYM	COVER
AGEALT	10
ALLPET	3
ASACAN	5
IMPCAP	30
MICVIM	15
PILPUM	5
SANCAC	1
VIOSOR	3

QUAD	12
ACRONYM	COVER
ACESAS	10
AGEALT	15
ALLPET	5
LONMAA	25
MICVIM	10
PARQUI	1
PRUSER	15
VITRIP	1

QUAD	13
ACRONYM	COVER
ACESAS	1
AGEALT	5
MONUNI	1
PARQUI	5
SANCAC	10
SOIL	5
VIBACE	45

QUAD	14
ACRONYM	COVER
FRAAME	10
GALAPA	5
GALASP	10
PARQUI	3
PRUSER	5
SOIL	5
VITRIP	1

QUAD	15
ACRONYM	COVER
ALLPET	1
AMPBRB	3
CXBLAN	15
FRAAME	15
MICVIM	1
PARQUI	10
PILPUM	5
SANCAC	10
SOIL	1
TOXRAN	3
VIOSOR	1

QUAD	16
ACRONYM	COVER
AGEALT	15
ALLPET	3
AMPBRB	1
ELYVIR	1
FRAAME	5
MICVIM	5
PARQUI	15
PILPUM	1

QUAD	17
ACRONYM	COVER
AGEALT	10
ALLPET	1
ASITRI	5
GEUCAN	20
IMPCAP	1
MICVIM	1
PERCAE	1
RIBMIS	35
SOIL	65

QUAD	18
ACRONYM	COVER
AGEALT	25
ALLPET	1
ELYVIR	1
GEUCAN	10
PARQUI	5
PERCAE	3
PRUSER	3
SANCAC	20
SOIL	5

QUAD	19
ACRONYM	COVER
ACARHO	1
AGEALT	1
CXBLAN	5
FRAAME	1
IMPCAP	3
LOBSIP	10
MICVIM	1
PARQUI	1
PERCAE	3
PILPUM	10

QUAD	20
ACRONYM	COVER
ACARHO	1
AGEALT	10
ALLPET	1
CXBLAN	5
ELYVIR	3
GALASP	1
PERCAE	3
PILPUM	1
SOIL	25

QUAD	21
ACRONYM	COVER
ALLPET	1
CXBLAN	10
FRAAME	10
MICVIM	1
PARQUI	3
PERCAE	1
PILPUM	1
SANCAC	5
SOIL	10

QUAD	22
ACRONYM	COVER
AGEALT	1
ALLPET	1
ASITRI	100
CXBLAN	20
GEUCAN	35
MICVIM	1
PILPUM	1
SANCAC	5
SOIL	1

QUAD	23
ACRONYM	COVER
ACENEG	1
AGEALT	5
CELOCC	5
CXBLAN	10
ELYVIR	5
FRAAME	5
GEUCAN	15
PARQUI	5
SOIL	5
SYMLAT	1
TOXRAN	1
ULMAME	1

QUAD	24
ACRONYM	COVER
ACENEG	15
ACESAS	5
AGEALT	5
ALLPET	1
CXBLAN	5
FRAAME	5
MICVIM	3
PARQUI	10
SANCAC	65

QUAD	25
ACRONYM	COVER
ACESAI	1
AGEALT	1
CXBLAN	5
MICVIM	5
PARQUI	5
PERCAE	10
PILPUM	1
SANCAC	25
SOIL	1

QUAD	26
ACRONYM	COVER
ASITRI	45
MICVIM	5
PILPUM	3
SANCAC	40
SOIL	5
TOVVIR	5

QUAD	27
ACRONYM	COVER
ASACAN	15
ELYVIL	5
MICVIM	3
SANCAC	30

QUAD	28
ACRONYM	COVER
AGEALT	1
CHAFAS	1
CXBLAN	5
ELYVIL	3
LINBEN	35
MICVIM	1
SANCAC	60
SOIL	1

QUAD	29
ACRONYM	COVER
ACARHO	1
ACESAI	1
AGEALT	7
ASITRI	5
CXBLAN	5
ELYVIR	5
HELHEL	10
MELOFC	1
MICVIM	10
PERCAE	3
SANCAC	10
SOIL	1
VITRIP	1

QUAD	30
ACRONYM	COVER
AGEALT	10
ALLPET	3
ASACAN	1
ASITRI	1
HYDVIR	5
PERCAE	1
SANCAC	25

QUAD	31
ACRONYM	COVER
ABUTHE	5
ACENEG	1
ALLPET	3
AMBARE	5
ELYVIR	1
MICVIM	80
PACGLA	1
PILPUM	1
SYMERI	1
TRIPRA	1

QUAD	32
ACRONYM	COVER
AGEALT	10
CXBLAN	5
LINBEN	5
LOBSIP	5
LONMAA	10
MICVIM	1
OXASTR	1
PACGLA	1
PARQUI	5
SANCAC	30
VIOSOR	3

QUAD	33
ACRONYM	COVER
AGEALT	1
ALLPET	1
ASACAN	1
ASITRI	5
CXBLAN	1
GALASP	1
JUGNIG	10
MICVIM	3
PERCAE	1
SANCAC	5

QUAD	34
ACRONYM	COVER
ACENEG	10
AGEALT	1
ALLPET	1
ASITRI	80
LONMAA	15
MICVIM	1
PARQUI	3
SANCAC	10

QUAD	35
ACRONYM	COVER
ACESAS	1
AGEALT	15
CELOCC	15
HYPPER	3
MICVIM	25
PACGLA	1
PARQUI	1
SANCAC	5
SOIL	1
SYMCOR	7
VITRIP	1

QUAD	36
ACRONYM	COVER
CERCAN	1
CXBLAN	5
LINBEN	10
MICVIM	1
PACGLA	1
PERCAE	1
SANCAC	15
SOIL	20
VIOSOR	1

QUAD	37
ACRONYM	COVER
ALLPET	3
ELYHYS	1
ELYVIR	3
HYDVIR	1
PACGLA	30
PERCAE	70
PILPUM	1
SYMERI	15

QUAD	38
ACRONYM	COVER
ALLPET	1
AMPBRB	15
ASITRI	80
BIDFRO	5
CONCAN	1
CXBLAN	10
ELYVIR	10
GEUCAN	5
IMPCAP	5
PERCAE	10
PERPUN	1
SANCAC	3

QUAD	39
ACRONYM	COVER
ACARHO	1
AGEALT	5
ELYHYS	1
IMPCAP	15
MICVIM	10
PERCAE	1
SOIL	1
SYMERI	5
TRIPRA	45
VERALT	10
VITRIP	1

QUAD	40
ACRONYM	COVER
ELYVIL	15
MICVIM	1
SANCAC	25
TRIREF	3

QUAD	41
ACRONYM	COVER
ACENEG	1
AGEALT	35
AMPBRB	15
BIDFRO	30
COROBL	5
MICVIM	1
PILPUM	1
SOLCAN	3
SYMERI	5
TRIREF	3

QUAD	42
ACRONYM	COVER
AGEALT	1
AMPBRB	35
BIDFRO	10
CXFRAN	10
ELYSAN	1
LOBSIP	3
MICVIM	5
PLAOCC	1
SOIL	1
TRIREF	1

QUAD	43
ACRONYM	COVER
AMBARE	15
BIDFRO	1
DAUCAR	1
DIGISC	1
ECHCRU	1
MELOFC	3
MICVIM	10
PLAOCC	3
POPDEL	1
SOIL	1
TRIPRA	20

QUAD	44
ACRONYM	COVER
AGEALT	30
AMBARE	5
CONCAN	20
MICVIM	15
PERCAE	5
SYMERI	10
TRIPRA	10
VIOSOR	1

QUAD	45
ACRONYM	COVER
ACARHO	1
AGEALT	5
BIDFRO	10
CONCAN	10
CXFRAN	5
GALASP	1
LOBSIP	3
MICVIM	15
PERCAE	1
RUDLAC	20
TRIREF	20

QUAD	46
ACRONYM	COVER
ACENEG	1
AGEALT	10
AMPBRB	5
CHAFAS	1
DAUCAR	3
LOBSIP	15
MICVIM	20
PARQUI	3
SOLCAN	15
SYMPII	15
TAROFF	5
TRIPRA	15

QUAD	47
ACRONYM	COVER
BIDFRO	25
CXFRAN	1
CYPESL	1
DIGISC	10
MICVIM	1
PANDIC	1
PLAOCC	1
SETFAB	3
SOIL	1
TRIREF	35
VERURU	1

QUAD	48
ACRONYM	COVER
BIDFRO	55
CHAMAC	3
CYPESL	1
DIGISC	5
PANCAP	5
PERCAE	3
SETFAB	3
SOIL	5
SOLCAN	5
TRIREF	20

QUAD	49
ACRONYM	COVER
AMBARE	15
BIDFRO	30
CXFRAN	1
DIGISC	15
ECHCRU	10
LOTCOR	3
SETPUM	1
SYMNOV	1
TRIREF	35

QUAD	50
ACRONYM	COVER
AMBARE	30
BIDFRO	70
ECHCRU	3
MICVIM	10
PANCAP	3
SETFAB	3
TRIPRA	10

QUAD	51
ACRONYM	COVER
AMBARE	35
BIDFRO	20
ECHCRU	3
PANDIC	5
SETFAB	5
SOIL	5
SOLCAN	3
XANSTR	30

QUAD	52
ACRONYM	COVER
ASCSYR	10
BIDFRO	10
CHAFAS	3
CIRARV	10
CONCAN	3
DIGISC	10
ELYVIR	5
HELHEL	10
POPDEL	15
SOLCAN	10
VERALT	5

QUAD	53
ACRONYM	COVER
BIDFRO	3
DIGISC	5
ECHCRU	5
PLAOCC	20
POPDEL	5
SETFAB	35
SOIL	15

QUAD	54
ACRONYM	COVER
ACARHO	5
BIDFRO	35
PANCAP	3
SETFAB	5
SOIL	25
XANSTR	40

QUAD	55
ACRONYM	COVER
DIGISC	40
PANDIC	60

QUAD	56
ACRONYM	COVER
ACARHO	10
BIDFRO	20
CONCAN	1
DIGISC	20
MICVIM	15
PANDIC	15
PERCAE	1
POPDEL	5
SETFAB	20
SOIL	10