

**LEGEND**

PARCEL BOUNDARY

EXISTING ROAD CENTERLINE

EXISTING MINOR CONTOUR

EXISTING MAJOR CONTOUR

SOIL BOUNDARY

DRAINAGE AREA BOUNDARY

STATE BOUNDARY

SOUTH RIPLEY SOLAR PROJECT

PRE-CONDITION SOILS MAP

CHAUTAUQUA COUNTY, NEW YORK

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ABSOLUTE SCALE:

1:12,000

REFERENCE SCALE:

1 IN = 1,000 FT

ConnectGEN

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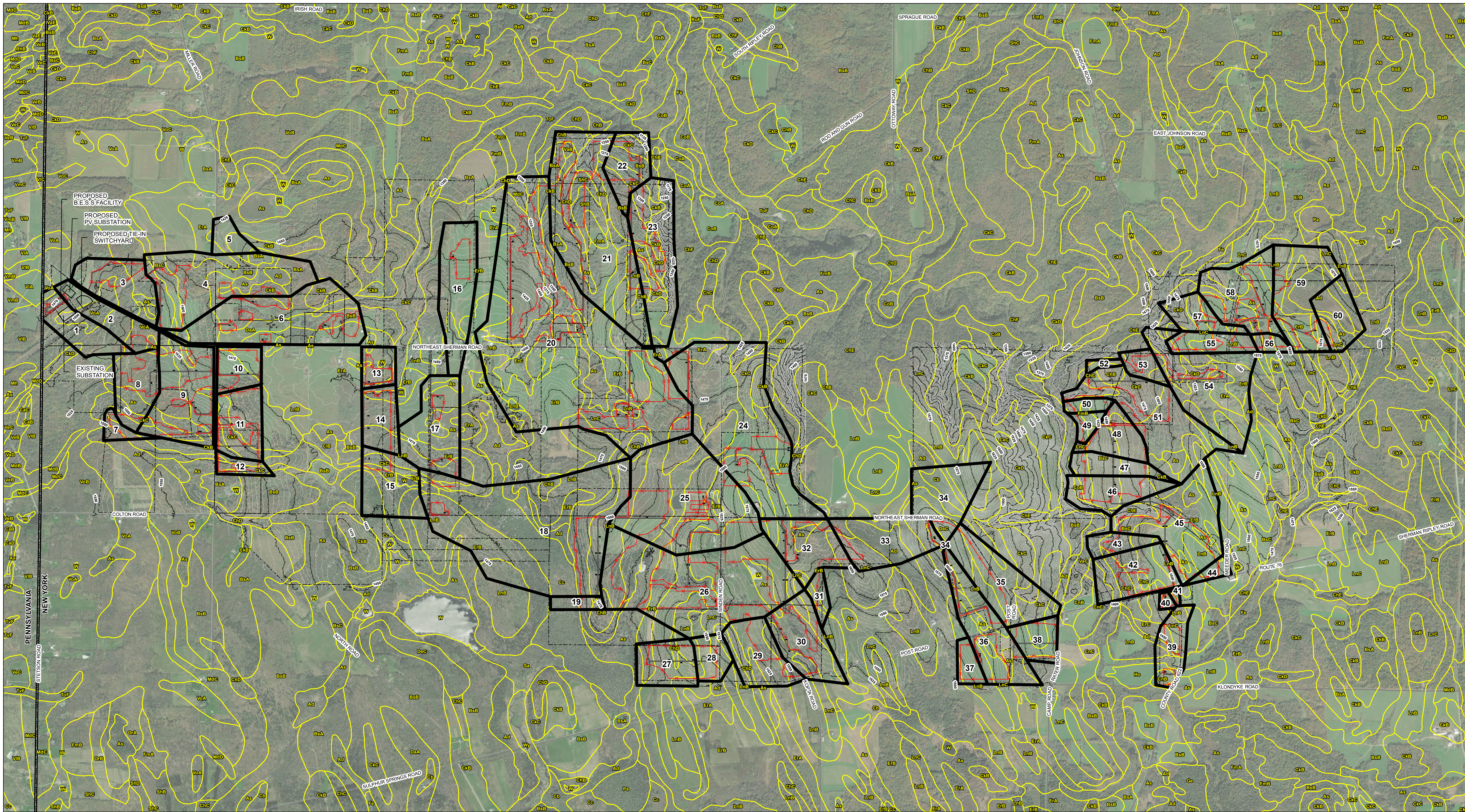
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MACDONALD

DRAWN BY:	MM 05/2021
CHECKED BY:	MM 05/2021
APPROVED BY:	MM 05/2021
REV. DATE:	05/2021
REVISION:	0
DESC:	ISSUED FOR REVIEW
DWG. NO.:	SHEET 1 OF 1





LEGEND

PROPOSED FENCE

PROPOSED ACCESS ROAD

PARCEL BOUNDARY

EXISTING ROAD CENTERLINE

EXISTING MINOR CONTOUR

EXISTING MAJOR CONTOUR

SOIL BOUNDARY

DRAINAGE AREA BOUNDARY

STATE BOUNDARY

SOUTH RIPLEY SOLAR PROJECT

POST-CONDITION SOILS MAP

CHAUTAUQUA COUNTY, NEW YORK

1,000

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FEET

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ABSOLUTE SCALE:

1:12,000

REFERENCE SCALE:

1 IN = 1,000 FT

ConnectGEN

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MACDONALD

DRAWN BY:	MM 05/2021
CHECKED BY:	MM 01/2022
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REV. DATE:	01/2022
REVISION:	1
DESC:	ISSUED FOR REVIEW
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**NOAA Atlas 14, Volume 10, Version 3**  
**Location name: Town of Ripley, New York, USA\***  
**Latitude: 42.1908°, Longitude: -79.6955°**  
**Elevation: 1455.03 ft\*\***  
 \* source: ESRI Maps  
 \*\* source: USGS



### POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sandra Pavlovic, Michael St. Laurent, Carl Trypaluk, Dale Unruh, Orlan Wilhite

NOAA, National Weather Service, Silver Spring, Maryland

[PF tabular](#) | [PF graphical](#) | [Maps & aerals](#)

### PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches) <sup>1</sup>										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.330 (0.263-0.411)	0.389 (0.310-0.485)	0.486 (0.386-0.608)	0.566 (0.447-0.713)	0.677 (0.516-0.893)	0.760 (0.566-1.03)	0.848 (0.612-1.19)	0.950 (0.643-1.36)	1.10 (0.714-1.64)	1.22 (0.775-1.86)
10-min	0.467 (0.373-0.582)	0.551 (0.439-0.687)	0.688 (0.545-0.860)	0.802 (0.632-1.01)	0.959 (0.730-1.26)	1.08 (0.801-1.45)	1.20 (0.866-1.69)	1.35 (0.912-1.93)	1.56 (1.01-2.32)	1.73 (1.10-2.64)
15-min	0.550 (0.438-0.685)	0.649 (0.517-0.809)	0.811 (0.644-1.01)	0.945 (0.745-1.19)	1.13 (0.859-1.49)	1.27 (0.943-1.71)	1.41 (1.02-1.99)	1.58 (1.07-2.27)	1.83 (1.19-2.73)	2.04 (1.29-3.10)
30-min	0.742 (0.592-0.924)	0.875 (0.696-1.09)	1.09 (0.865-1.37)	1.27 (1.00-1.60)	1.52 (1.16-2.00)	1.70 (1.27-2.30)	1.90 (1.37-2.67)	2.12 (1.44-3.05)	2.45 (1.60-3.66)	2.73 (1.73-4.15)
60-min	0.935 (0.746-1.16)	1.10 (0.876-1.37)	1.37 (1.09-1.72)	1.60 (1.26-2.01)	1.91 (1.45-2.51)	2.14 (1.59-2.88)	2.38 (1.72-3.34)	2.66 (1.81-3.82)	3.08 (2.00-4.58)	3.42 (2.16-5.20)
2-hr	1.10 (0.881-1.36)	1.33 (1.06-1.64)	1.70 (1.36-2.11)	2.01 (1.59-2.51)	2.43 (1.86-3.20)	2.74 (2.06-3.70)	3.08 (2.25-4.34)	3.50 (2.38-4.99)	4.12 (2.69-6.11)	4.66 (2.96-7.04)
3-hr	1.21 (0.977-1.49)	1.48 (1.19-1.83)	1.92 (1.54-2.37)	2.28 (1.82-2.84)	2.78 (2.14-3.65)	3.15 (2.38-4.24)	3.55 (2.60-5.00)	4.05 (2.75-5.76)	4.81 (3.14-7.10)	5.48 (3.48-8.24)
6-hr	1.47 (1.19-1.80)	1.81 (1.47-2.22)	2.36 (1.90-2.90)	2.82 (2.26-3.49)	3.45 (2.67-4.50)	3.91 (2.97-5.24)	4.42 (3.26-6.20)	5.06 (3.46-7.15)	6.05 (3.96-8.87)	6.92 (4.41-10.3)
12-hr	1.84 (1.50-2.23)	2.24 (1.82-2.72)	2.90 (2.35-3.54)	3.44 (2.77-4.23)	4.19 (3.26-5.43)	4.74 (3.62-6.30)	5.35 (3.96-7.44)	6.10 (4.19-8.56)	7.27 (4.78-10.6)	8.29 (5.31-12.3)
24-hr	2.25 (1.85-2.72)	2.70 (2.22-3.27)	3.44 (2.81-4.17)	4.05 (3.29-4.95)	4.90 (3.84-6.29)	5.52 (4.23-7.27)	6.20 (4.60-8.54)	7.03 (4.85-9.80)	8.31 (5.48-12.0)	9.42 (6.04-13.9)
2-day	2.69 (2.22-3.22)	3.17 (2.62-3.81)	3.97 (3.26-4.78)	4.63 (3.78-5.61)	5.53 (4.35-7.04)	6.21 (4.77-8.09)	6.93 (5.15-9.43)	7.80 (5.40-10.8)	9.10 (6.02-13.1)	10.2 (6.57-15.0)
3-day	3.03 (2.51-3.62)	3.53 (2.93-4.22)	4.35 (3.59-5.22)	5.03 (4.12-6.07)	5.97 (4.71-7.55)	6.67 (5.13-8.64)	7.41 (5.51-10.00)	8.28 (5.76-11.4)	9.56 (6.35-13.7)	10.6 (6.86-15.5)
4-day	3.33 (2.77-3.96)	3.84 (3.19-4.58)	4.68 (3.87-5.60)	5.38 (4.42-6.48)	6.34 (5.01-7.98)	7.06 (5.44-9.09)	7.82 (5.81-10.5)	8.68 (6.05-11.9)	9.94 (6.61-14.1)	11.0 (7.09-16.0)
7-day	4.12 (3.44-4.88)	4.66 (3.89-5.53)	5.55 (4.62-6.60)	6.28 (5.19-7.52)	7.30 (5.79-9.11)	8.07 (6.23-10.3)	8.86 (6.57-11.7)	9.72 (6.80-13.3)	10.9 (7.29-15.4)	11.9 (7.68-17.2)
10-day	4.84 (4.07-5.72)	5.42 (4.54-6.40)	6.35 (5.30-7.53)	7.13 (5.91-8.50)	8.19 (6.51-10.2)	9.01 (6.97-11.4)	9.84 (7.30-12.9)	10.7 (7.52-14.5)	11.9 (7.95-16.7)	12.8 (8.30-18.4)
20-day	6.99 (5.90-8.19)	7.66 (6.46-8.98)	8.75 (7.36-10.3)	9.66 (8.06-11.5)	10.9 (8.73-13.4)	11.9 (9.24-14.9)	12.9 (9.55-16.7)	13.8 (9.74-18.6)	15.1 (10.1-21.0)	16.0 (10.4-22.9)
30-day	8.76 (7.44-10.2)	9.53 (8.08-11.1)	10.8 (9.11-12.7)	11.8 (9.91-14.0)	13.3 (10.7-16.2)	14.4 (11.2-18.0)	15.5 (11.5-20.0)	16.6 (11.7-22.2)	18.0 (12.1-25.0)	19.0 (12.4-27.1)
45-day	11.0 (9.36-12.8)	11.9 (10.1-13.8)	13.4 (11.3-15.6)	14.6 (12.3-17.2)	16.3 (13.1-19.9)	17.6 (13.8-21.9)	18.9 (14.1-24.3)	20.2 (14.3-27.0)	21.8 (14.7-30.3)	23.0 (15.0-32.7)
60-day	12.9 (11.0-14.9)	13.9 (11.9-16.1)	15.6 (13.2-18.2)	17.0 (14.3-19.9)	18.9 (15.3-23.0)	20.4 (16.0-25.3)	21.9 (16.4-28.0)	23.4 (16.6-31.1)	25.3 (17.1-34.9)	26.6 (17.4-37.7)

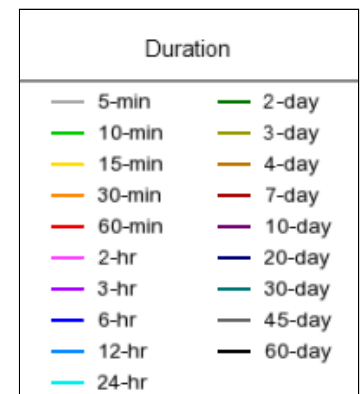
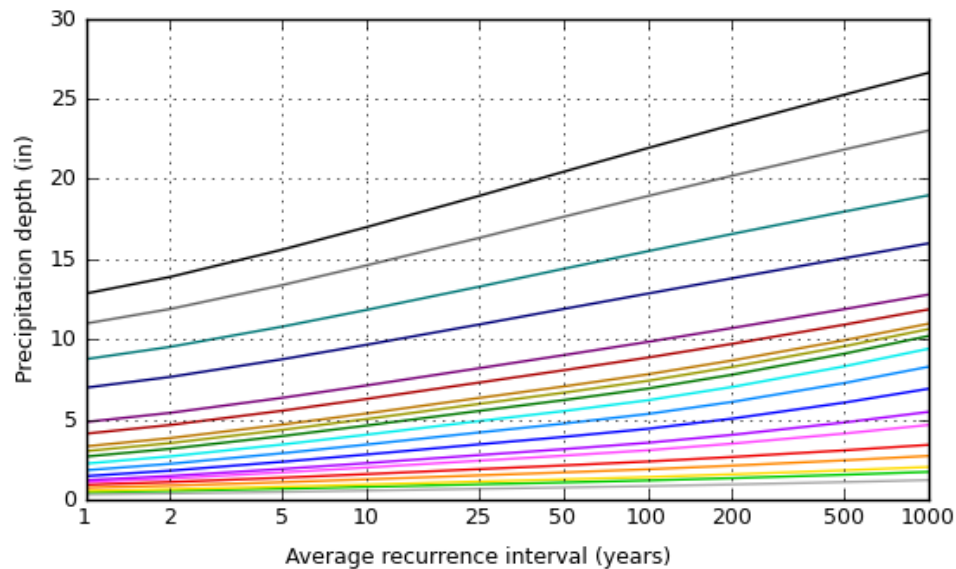
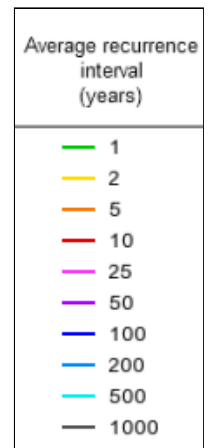
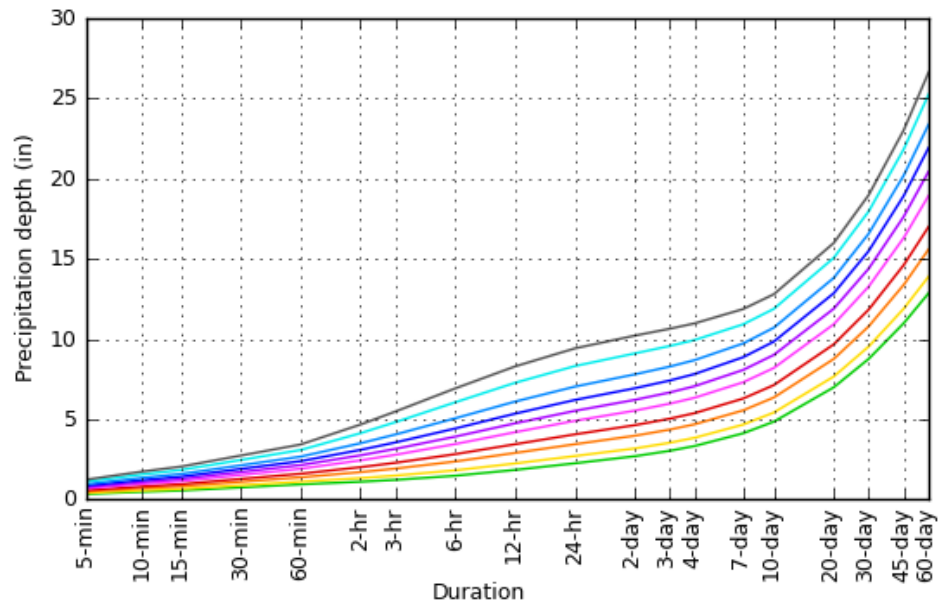
<sup>1</sup> Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).  
 Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.  
 Please refer to NOAA Atlas 14 document for more information.

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### PF graphical

## PDS-based depth-duration-frequency (DDF) curves

Latitude: 42.1908°, Longitude: -79.6955°

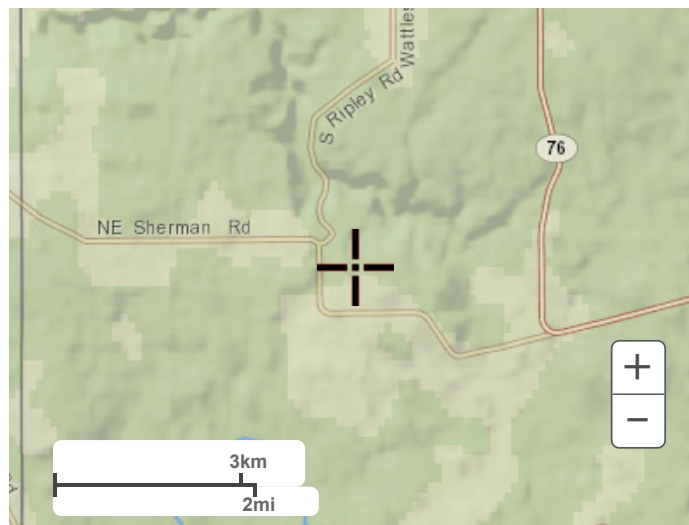
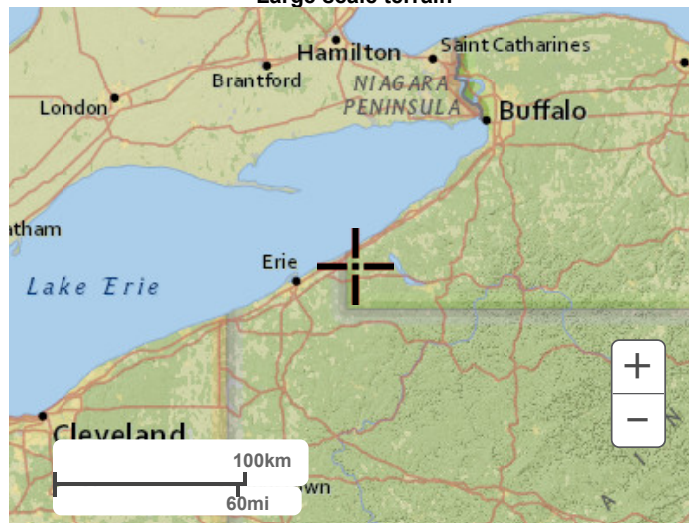


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Created (GMT): Wed Jun 2 12:39:39 2021

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**Large scale terrain****Large scale map****Large scale aerial**



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[National Oceanic and Atmospheric Administration](#)  
[National Weather Service](#)  
[National Water Center](#)  
1325 East West Highway  
Silver Spring, MD 20910  
Questions?: [HDSC.Questions@noaa.gov](mailto:HDSC.Questions@noaa.gov)

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Drainage Area ID	Drainage Area Acres	Curve Number	Land Use/Description	Soil Symbol	Soil Description	SSURGO Hydro Classification	Corrected Hydro Classification	Curve Number	Acres	Percent	Weighted CN		
1		34.2	Brush-brush, weed, grass mix (Fair)Mixed Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	77	2.0	5.9%	4.54		
1		34.2	Emergent Herbaceous Wetlands	VoB	Volusia channery silt loam, 3 to 8 percent slopes	D	D	80	0.0	0.1%	0.08		
1		34.2	Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	91	1.8	5.2%	4.73		
1		34.2	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	3.4	9.8%	8.23		
1		34.2	Straight Row Crop (Good) Alfalfa, Corn, Soybeans	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	89	3.1	9%	8.01		
1		34.2	Wetlands, Woody Wetlands	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	85	0.7	1.9%	1.62		
1		34.2	Woods (Fair) Deciduous Forest, Evergreen Forest	CkD	Chautauqua silt loam, 15 to 25 percent slopes	C/D	C	73	0.7	1.9%	1.39	CN	81
1		34.2	Woods (Fair) Deciduous Forest, Evergreen Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	79	22.6	66.1%	52.22	34.2 acres	
2		33.5	Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	0.5	1.5%	1.05		
2		33.5	Brush-brush, weed, grass mix (Fair)Mixed Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	77	1.2	3.7%	2.85		
2		33.5	Developed Open Space	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	2.2	6.5%	5.46		
2		33.5	Emergent Herbaceous Wetlands	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	80	0.2	0.7%	0.56		
2		33.5	Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	VoB	Volusia channery silt loam, 3 to 8 percent slopes	D	D	91	0.0	0.1%	0.09		
2		33.5	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	4.9	14.6%	12.26		
2		33.5	Straight Row Crop (Good) Alfalfa, Corn, Soybeans	VoB	Volusia channery silt loam, 3 to 8 percent slopes	D	D	89	1.3	3.9%	3.47		
2		33.5	Wetlands, Woody Wetlands	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	85	0.5	1.4%	1.19		
2		33.5	Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	0.9	2.7%	1.97	CN	80
2		33.5	Woods (Fair) Deciduous Forest, Evergreen Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	79	21.7	65%	51.35	33.5 acres	
3		46.1	Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	0.1	0.2%	0.14		
3		46.1	Brush-brush, weed, grass mix (Fair)Mixed Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	77	0.9	2%	1.54		
3		46.1	Developed Low Intensity	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	93	0.2	0.4%	0.37		
3		46.1	Developed Open Space	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	1.9	4%	3.36		
3		46.1	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	8.4	18.3%	15.37		
3		46.1	Straight Row Crop (Good) Alfalfa, Corn, Soybeans	VoB	Volusia channery silt loam, 3 to 8 percent slopes	D	D	89	0.5	1.1%	0.98		
3		46.1	Wetlands, Woody Wetlands	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	85	1.1	2.4%	2.04		
3		46.1	Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	3.1	6.6%	4.82	CN	80
3		46.1	Woods (Fair) Deciduous Forest, Evergreen Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	79	29.9	64.9%	51.27	46.1 acres	
4		106.3	Brush-brush, weed, grass mix (Fair)Mixed Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	70	0.9	0.9%	0.63		
4		106.3	Brush-brush, weed, grass mix (Fair)Mixed Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	77	0.2	0.2%	0.15		
4		106.3	Developed Open Space	BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	78	2.9	2.7%	2.11		
4		106.3	Developed Open Space	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	0.7	0.7%	0.59		
4		106.3	Emergent Herbaceous Wetlands	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	D	80	0.2	0.2%	0.16		
4		106.3	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	79	17.2	16.1%	12.72		
4		106.3	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	4.9	4.6%	3.86		
4		106.3	Straight Row Crop (Good) Alfalfa, Corn, Soybeans	BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	85	6.8	6.4%	5.44		
4		106.3	Straight Row Crop (Good) Alfalfa, Corn, Soybeans	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	89	1.2	1.1%	0.98		
4		106.3	Wetlands, Woody Wetlands	BsA	Busti silt loam, 0 to 3 percent slopes	C/D	D	85	3.4	3.2%	2.72		
4		106.3	Woods (Fair) Deciduous Forest, Evergreen Forest	BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	73	58.2	54.8%	40.00	CN	76
4		106.3	Woods (Fair) Deciduous Forest, Evergreen Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	79	9.6	9%	7.11	106.3 acres	
5		14.1	Brush-brush, weed, grass mix (Fair)Mixed Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	70	0.8	5.6%	3.92		
5		14.1	Developed Open Space	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	78	1.5	10.7%	8.35		
5		14.1	Developed Open Space	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	0.6	4.3%	3.61		
5		14.1	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	79	2.3	16.5%	13.04		
5		14.1	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	0.2	1.7%	1.43		
5		14.1	Straight Row Crop (Good) Alfalfa, Corn, Soybeans	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	85	7.5	53.3%	45.31		
5		14.1	Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	89	0.5	3.5%	3.12		
5		14.1	Wetlands, Woody Wetlands	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	D	85	0.4	2.7%	2.30		
5		14.1	Woods (Fair) Deciduous Forest, Evergreen Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	73	0.1	0.7%	0.51	CN	82
5		14.1	Woods (Fair) Deciduous Forest, Evergreen Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	79	0.1	1.1%	0.87	14.1 acres	
6		108.0	Barren	BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	88	0.2	0.2%	0.18		
6		108.0	Brush-brush, weed, grass mix (Fair)Mixed Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	2.8	2.6%	1.82		
6		108.0	Brush-brush, weed, grass mix (Fair)Mixed Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	77	1.5	1.4%	1.08		
6		108.0	Developed Low Intensity	BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	90	1.8	1.6%	1.44		
6		108.0	Developed Medium Intensity	BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	93	0.9	0.8%	0.74		
6		108.0	Developed Open Space	BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	78	2.7	2.5%	1.95		
6		108.0	Developed Open Space	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	2.0	1.8%	1.51		
6		108.0	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	79	7.3	6.7%	5.29		
6		108.0	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	14.9	13.8%	11.59		
6		108.0	Shrubland	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	55	0.2	0.2%	0.11		
6		108.0	Straight Row Crop (Good) Alfalfa, Corn, Soybeans	BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	85	1.9	1.8%	1.53		
6		108.0	Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	89	4.5	4.2%	3.74		
6		108.0	Wetlands, Woody Wetlands	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	D	85	3.1	2.8%	2.38		
6		108.0	Woods (Fair) Deciduous Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	53.5	49.5%	36.14	CN	77
6		108.0	Woods (Fair) Deciduous Forest, Evergreen Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	79	10.7	9.9%	7.82	108.0 acres	
7		9.1	Brush-brush, weed, grass mix (Fair)Mixed Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	70	0.3	3.6%	2.52		
7		9.1	Woods (Fair) Deciduous Forest, Evergreen Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	73	8.7	95.6%	69.79	CN	73
7		9.1	Woods (Fair) Deciduous Forest, Evergreen Forest	VoB	Volusia channery silt loam, 3 to 8 percent slopes	D	D	79	0.1	0.8%	0.63	9.1 acres	
8		38.4	Brush-brush, weed, grass mix (Fair)Mixed Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	70	5.4	14%	9.80		
8		38.4	Brush-brush, weed, grass mix (Fair)Mixed Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	77	5.9	15.3%	11.78		
8		38.4	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	0.3	0.7%	0.59		
8		38.4	Straight Row Crop (Good) Alfalfa, Corn, Soybeans	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	89	0.1	0.3%	0.27		
8		38.4	Wetlands, Woody Wetlands	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	85	0.0	0.1%	0.09		



8	38.4 Woods (Fair) Deciduous Forest, Evergreen Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	73	9.6 25%	18.25	CN	76
8	38.4 Woods (Fair) Deciduous Forest, Evergreen Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	79	17.1 44.6%	35.23	38.4 acres	
9	76.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	70	3.4 4.4%	3.08		
9	76.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	77	0.2 0.2%	0.15		
9	76.3 Developed Low Intensity	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	90	0.2 0.3%	0.27		
9	76.3 Developed Open Space	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	78	2.4 3.1%	2.42		
9	76.3 Developed Open Space	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	0.3 0.4%	0.34		
9	76.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	79	7.3 9.6%	7.58		
9	76.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	1.8 2.3%	1.93		
9	76.3 Shrubland	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	62	0.2 0.3%	0.19		
9	76.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	85	21.7 28.4%	24.14		
9	76.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	89	5.9 7.8%	6.94		
9	76.3 Wetlands, Woody Wetlands	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	85	0.2 0.3%	0.26		
9	76.3 Woods (Fair) Deciduous Forest, Evergreen Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	73	20.4 26.8%	19.56	CN	80
9	76.3 Woods (Fair) Deciduous Forest, Evergreen Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	79	12.2 16%	12.64	76.3 acres	
10	24.1 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	70	0.2 0.9%	0.63		
10	24.1 Developed Low Intensity	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	90	0.0 0.1%	0.09		
10	24.1 Developed Low Intensity	DaA	Dalton silt loam, 0 to 3 percent slopes	D	D	93	0.2 0.7%	0.65		
10	24.1 Developed Open Space	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	78	0.6 2.6%	2.03		
10	24.1 Developed Open Space	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	0.5 2.2%	1.85		
10	24.1 Emergent Herbaceous Wetlands	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	80	0.2 0.8%	0.64		
10	24.1 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	79	1.2 4.9%	3.87		
10	24.1 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	2.2 9%	7.56		
10	24.1 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	85	7.2 29.9%	25.42		
10	24.1 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	89	5.4 22.2%	19.76		
10	24.1 Wetlands, Woody Wetlands	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	D	85	0.2 0.9%	0.77		
10	24.1 Woods (Fair) Deciduous Forest, Evergreen Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	73	5.8 24.2%	17.67	CN	82
10	24.1 Woods (Fair) Deciduous Forest, Evergreen Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	79	0.4 1.6%	1.26	24.1 acres	
11	39.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	70	0.2 0.6%	0.42		
11	39.9 Developed Open Space	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	78	1.1 2.7%	2.11		
11	39.9 Meadow, Wildflower/Clover	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	63	0.2 0.6%	0.38		
11	39.9 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	79	2.5 6.2%	4.90		
11	39.9 Shrubland	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	55	0.0 0%	0.00		
11	39.9 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	85	0.2 0.6%	0.51		
11	39.9 Wetlands, Woody Wetlands	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	D	85	0.4 1.1%	0.94	CN	74
11	39.9 Woods (Fair) Deciduous Forest, Evergreen Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	73	35.2 88.3%	64.46	39.9 acres	
12	11.2 Developed Open Space	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	78	0.3 2.7%	2.11		
12	11.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	79	0.2 2%	1.58		
12	11.2 Shrubland	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	55	0.2 1.9%	1.05	CN	73
12	11.2 Woods (Fair) Deciduous Forest, Evergreen Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	73	10.4 93.4%	68.18	11.2 acres	
13	17.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	0.2 1%	0.70		
13	17.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	77	1.1 6.2%	4.77		
13	17.3 Developed Open Space	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	78	0.1 0.4%	0.31		
13	17.3 Developed Open Space	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	0.7 3.8%	3.19		
13	17.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	0.4 2.4%	1.90		
13	17.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	1.3 7.2%	6.05		
13	17.3 Wetlands, Woody Wetlands	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	D	85	1.4 8.1%	6.89		
13	17.3 Woods (Fair) Deciduous Forest, Evergreen Forest	W	Water			98	0.5 2.9%	2.84		
13	17.3 Woods (Fair) Deciduous Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	2.3 13.5%	9.86	CN	79
13	17.3 Woods (Fair) Deciduous Forest, Evergreen Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	79	9.4 54.3%	42.90	17.3 acres	
14	29.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	0.1 0.4%	0.34		
14	29.2 Wetlands, Woody Wetlands	W	Water			98	0.0 0%	0.00		
14	29.2 Wetlands, Woody Wetlands	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	D	85	2.1 7.1%	6.04		
14	29.2 Woods (Fair) Deciduous Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	0.4 1.3%	0.95	CN	79
14	29.2 Woods (Fair) Deciduous Forest, Evergreen Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	79	26.6 91.2%	72.05	29.2 acres	
15	47.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	2.0 4.2%	2.94		
15	47.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	77	1.7 3.5%	2.70		
15	47.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	0.4 0.8%	0.63		
15	47.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.9 2%	1.68		
15	47.2 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	85	0.2 0.4%	0.34		
15	47.2 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	0.0 0%	0.00		
15	47.2 Water	As	Ashville silt loam	C/D	C	98	0.3 0.6%	0.59		
15	47.2 Wetlands, Woody Wetlands	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	85	11.9 25.1%	21.34		
15	47.2 Woods (Fair) Deciduous Forest, Evergreen Forest	W	Water			98	2.3 4.8%	4.70		
15	47.2 Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	14.5 30.6%	22.34	CN	79
15	47.2 Woods (Fair) Deciduous Forest, Evergreen Forest	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	79	13.1 27.8%	21.96	47.2 acres	
16	58.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	1.5 2.6%	2.00		
16	58.3 Developed Low Intensity	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	93	0.2 0.4%	0.37		
16	58.3 Developed Open Space	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	1.2 2%	1.68		
16	58.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	40.0 68.6%	57.62		
16	58.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	2.9 5%	4.45		
16	58.3 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.2 0.4%	0.34	CN	83
16	58.3 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	12.3 21.1%	16.67	58.3 acres	
17	60.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	0.4 0.7%	0.49		
17	60.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	77	0.0 0%	0.00		



17	60.0 Emergent Herbaceous Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	80	0.2 0.4%	0.32		
17	60.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	5.8 9.6%	7.58		
17	60.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	22.6 37.6%	31.58		
17	60.0 Wetlands, Woody Wetlands	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	85	1.1 1.8%	1.53		
17	60.0 Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	9.5 15.8%	11.53	CN	80
17	60.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	79	20.4 34%	26.86	60.0 acres	
18	242.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	56	3.0 1.2%	0.67		
18	242.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	7.4 3.1%	2.17		
18	242.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	33.3 13.7%	10.55		
18	242.2 Emergent Herbaceous Wetlands	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	80	1.2 0.5%	0.40		
18	242.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	1.6 0.7%	0.59		
18	242.2 Wetlands, Woody Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	85	58.1 24%	20.40		
18	242.2 Woods (Fair) Deciduous Forest, Evergreen Forest	W	Water			98	0.1 0%	0.00		
18	242.2 Woods (Fair) Deciduous Forest, Evergreen Forest	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	60	1.0 0.4%	0.24		
18	242.2 Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	13.1 5.4%	3.94	CN	79
18	242.2 Woods (Fair) Deciduous Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	123.3 50.9%	40.21	242.2 acres	
19	8.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	56	0.2 2%	1.12		
19	8.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	Cc	Canandaigua mucky silt loam	C/D	C	70	0.3 2.9%	2.03		
19	8.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	1.5 16.4%	12.63		
19	8.9 Emergent Herbaceous Wetlands	Cc	Canandaigua mucky silt loam	C/D	D	80	0.5 6.2%	4.96		
19	8.9 Wetlands, Woody Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	85	3.9 43.9%	37.32		
19	8.9 Woods (Fair) Deciduous Forest, Evergreen Forest	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	60	1.4 15.5%	9.30		
19	8.9 Woods (Fair) Deciduous Forest, Evergreen Forest	Cc	Canandaigua mucky silt loam	C/D	C	73	0.0 0.4%	0.29	CN	78
19	8.9 Woods (Fair) Deciduous Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	1.1 12.7%	10.03	8.9 acres	
20	385.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	70	7.5 1.9%	1.33		
20	385.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	12.5 3.2%	2.46		
20	385.7 Developed Low Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	93	0.4 0.1%	0.09		
20	385.7 Developed Open Space	As	Ashville silt loam	C/D	C	78	0.5 0.1%	0.08		
20	385.7 Developed Open Space	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	9.2 2.4%	2.02		
20	385.7 Emergent Herbaceous Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	80	1.8 0.5%	0.40		
20	385.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	79	0.9 0.2%	0.16		
20	385.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	159.1 41.2%	34.61		
20	385.7 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	3.8 1%	0.89		
20	385.7 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	5.8 1.5%	1.28		
20	385.7 Woods (Fair) Deciduous Forest, Evergreen Forest	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	60	4.2 1.1%	0.66		
20	385.7 Woods (Fair) Deciduous Forest, Evergreen Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	73	33.8 8.8%	6.42	CN	80
20	385.7 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	146.2 37.9%	29.94	385.7 acres	
21	162.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	56	0.6 0.4%	0.22		
21	162.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	7.6 4.7%	3.29		
21	162.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	FmA	Fremont silt loam, 0 to 3 percent slopes	D	D	77	1.0 0.6%	0.46		
21	162.0 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.3 0.2%	0.17		
21	162.0 Emergent Herbaceous Wetlands	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	80	0.0 0%	0.00		
21	162.0 Emergent Herbaceous Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	80	0.8 0.5%	0.40		
21	162.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	69	2.2 1.4%	0.97		
21	162.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ShB	Schuyler silt loam, 3 to 8 percent slopes	C/D	C	79	5.8 3.6%	2.84		
21	162.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	FmA	Fremont silt loam, 0 to 3 percent slopes	D	D	84	22.3 13.8%	11.59		
21	162.0 Shrubland	ShB	Schuyler silt loam, 3 to 8 percent slopes	C/D	C	55	0.6 0.3%	0.17		
21	162.0 Shrubland	FmA	Fremont silt loam, 0 to 3 percent slopes	D	D	62	0.6 0.3%	0.19		
21	162.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	85	0.2 0.1%	0.09		
21	162.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	0.2 0.1%	0.09		
21	162.0 Wetlands, Woody Wetlands	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	85	0.0 0%	0.00		
21	162.0 Wetlands, Woody Wetlands	As	Ashville silt loam	C/D	D	85	3.5 2.1%	1.79		
21	162.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	60	23.5 14.5%	8.70		
21	162.0 Woods (Fair) Deciduous Forest, Evergreen Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	73	80.7 49.8%	36.35	CN	73
21	162.0 Woods (Fair) Deciduous Forest, Evergreen Forest	FmA	Fremont silt loam, 0 to 3 percent slopes	D	D	79	12.0 7.4%	5.85	162.0 acres	
22	32.6 Brush-brush, weed, grass mix (Fair)Mixed Forest	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	35	0.2 0.5%	0.18		
22	32.6 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	70	2.5 7.6%	5.32		
22	32.6 Wetlands, Woody Wetlands	CkB	Chautauqua silt loam, 8 to 15 percent slopes	C/D	D	85	0.2 0.7%	0.60		
22	32.6 Woods (Fair) Deciduous Forest, Evergreen Forest	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	36	0.1 0.2%	0.07	CN	73
22	32.6 Woods (Fair) Deciduous Forest, Evergreen Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	73	29.7 91%	66.43	32.6 acres	
23	76.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChF	Chadakoin silt loam, 35 to 50 percent slopes	B	B	56	2.0 2.6%	1.46		
23	76.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	70	0.7 0.9%	0.63		
23	76.5 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.2 0.2%	0.17		
23	76.5 Emergent Herbaceous Wetlands	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	80	0.1 0.1%	0.08		
23	76.5 Emergent Herbaceous Wetlands	As	Ashville silt loam	C/D	D	80	0.1 0.2%	0.16		
23	76.5 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	69	1.6 2.1%	1.45		
23	76.5 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	0.1 0.2%	0.16		
23	76.5 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	7.9 10.3%	8.65		
23	76.5 Shrubland	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	42	0.2 0.2%	0.08		
23	76.5 Shrubland	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	62	0.1 0.1%	0.06		
23	76.5 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	0.2 0.3%	0.27		
23	76.5 Wetlands, Woody Wetlands	ChF	Chadakoin silt loam, 35 to 50 percent slopes	B	B	85	0.1 0.1%	0.09		
23	76.5 Wetlands, Woody Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	85	1.1 1.4%	1.19		
23	76.5 Woods (Fair) Deciduous Forest, Evergreen Forest	ChF	Chadakoin silt loam, 35 to 50 percent slopes	B	B	60	33.9 44.3%	26.58		
23	76.5 Woods (Fair) Deciduous Forest, Evergreen Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	73	23.5 30.7%	22.41	CN	68



23	76.5 Woods (Fair) Decidious Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	4.8 6.3%	4.98	76.5 acres				
24	178.6 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChD	Chadakoim silt loam, 15 to 25 percent slopes	B	B	56	0.0 0%	0.00					
24	178.6 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	1.4 0.8%	0.56					
24	178.6 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	7.2 4%	3.08					
24	178.6 Developed Low Intensity	ChF	Chadakoim silt loam, 35 to 50 percent slopes	B	B	88	0.3 0.2%	0.18					
24	178.6 Developed Low Intensity	As	Ashville silt loam	C/D	C	90	0.2 0.1%	0.09					
24	178.6 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	1.3 0.7%	0.65					
24	178.6 Developed Medium Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	94	0.4 0.2%	0.19					
24	178.6 Developed Open Space	ChF	Chadakoim silt loam, 35 to 50 percent slopes	B	B	68	1.4 0.8%	0.54					
24	178.6 Developed Open Space	As	Ashville silt loam	C/D	C	78	1.7 1%	0.78					
24	178.6 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	10.8 6.1%	5.12					
24	178.6 Emergent Herbaceous Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	80	0.5 0.3%	0.24					
24	178.6 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChD	Chadakoim silt loam, 15 to 25 percent slopes	B	B	69	0.0 0%	0.00					
24	178.6 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	4.5 2.5%	1.98					
24	178.6 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	72.1 40.4%	33.94					
24	178.6 Shrubland	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	62	0.2 0.1%	0.06					
24	178.6 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	As	Ashville silt loam	C/D	C	85	0.2 0.1%	0.09					
24	178.6 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	1.3 0.7%	0.62					
24	178.6 Wetlands, Woody Wetlands	ChF	Erie silt loam, 3 to 8 percent slopes	D	D	85	3.5 2%	1.70					
24	178.6 Woods (Fair) Decidious Forest, Evergreen Forest	ChF	Chadakoim silt loam, 35 to 50 percent slopes	B	B	60	5.3 2.9%	1.74					
24	178.6 Woods (Fair) Decidious Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	19.7 11.1%	8.10		CN		80	
24	178.6 Woods (Fair) Decidious Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	46.4 26%	20.54		178.6 acres			
25	151.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	0.8 0.5%	0.35					
25	151.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	2.3 1.5%	1.16					
25	151.8 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	1.8 1.2%	1.12					
25	151.8 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	7.3 4.8%	4.03					
25	151.8 Emergent Herbaceous Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	80	0.9 0.6%	0.48					
25	151.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	3.1 2%	1.58					
25	151.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	83.1 54.8%	46.03					
25	151.8 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	As	Ashville silt loam	C/D	C	85	0.1 0.1%	0.09					
25	151.8 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	1.7 1.1%	0.98					
25	151.8 Water	As	Ashville silt loam	C/D	C	98	0.4 0.3%	0.29					
25	151.8 Water	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	98	0.2 0.1%	0.10					
25	151.8 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	4.5 3%	2.55					
25	151.8 Woods (Fair) Decidious Forest, Evergreen Forest	ChB	Chadakoim silt loam, 3 to 8 percent slopes	B	B	60	0.8 0.5%	0.30					
25	151.8 Woods (Fair) Decidious Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	10.5 6.9%	5.04		CN		82	
25	151.8 Woods (Fair) Decidious Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	34.3 22.6%	17.85		151.8 acres			
26	184.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChD	Chadakoim silt loam, 15 to 25 percent slopes	B	B	56	0.1 0.1%	0.06					
26	184.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	0.2 0.1%	0.07					
26	184.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	8.6 4.6%	3.54					
26	184.4 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	5.3 2.8%	2.35					
26	184.4 Emergent Herbaceous Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	80	2.2 1.2%	0.96					
26	184.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChD	Chadakoim silt loam, 15 to 25 percent slopes	B	B	69	0.2 0.1%	0.07					
26	184.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	8.0 4.3%	3.40					
26	184.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	95.5 51.8%	43.51					
26	184.4 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	W	Water			98	0.3 0.1%	0.10					
26	184.4 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	As	Ashville silt loam	C/D	C	85	0.5 0.3%	0.26					
26	184.4 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	2.2 1.2%	1.07					
26	184.4 Water	As	Ashville silt loam	C/D	C	98	1.1 0.6%	0.59					
26	184.4 Wetlands, Woody Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	85	10.8 5.9%	5.02					
26	184.4 Woods (Fair) Decidious Forest, Evergreen Forest	ChD	Chadakoim silt loam, 15 to 25 percent slopes	B	B	60	1.8 1%	0.60					
26	184.4 Woods (Fair) Decidious Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	8.1 4.4%	3.21		CN		82	
26	184.4 Woods (Fair) Decidious Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	39.7 21.5%	16.99		184.4 acres			
27	33.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	0.2 0.7%	0.54					
27	33.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChD	Chadakoim silt loam, 15 to 25 percent slopes	B	B	69	1.8 5.3%	3.66					
27	33.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	15.5 45.9%	38.56					
27	33.7 Wetlands, Woody Wetlands	As	Ashville silt loam	C/D	D	85	1.7 5%	4.25					
27	33.7 Woods (Fair) Decidious Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	1.6 4.7%	3.43				CN	81
27	33.7 Woods (Fair) Decidious Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	13.0 38.5%	30.42	33.7 acres				
28	18.9 Developed Open Space	Ad	Alden mucky silt loam	C/D	C	78	0.0 0%	0.00					
28	18.9 Developed Open Space	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	2.9 15.5%	13.02					
28	18.9 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	Ad	Alden mucky silt loam	C/D	C	79	0.2 0.9%	0.71					
28	18.9 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	15.8 83.5%	70.14					
28	18.9 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	89	0.0 0.1%	0.09					
28	18.9 Woods (Fair) Decidious Forest, Evergreen Forest	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	79	0.0 0%	0.00				CN	84
29	43.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChD	Chadakoim silt loam, 15 to 25 percent slopes	B	B	56	0.0 0.1%	0.06					
29	43.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	1.1 2.5%	1.93					
29	43.8 Developed Open Space	ChD	Chadakoim silt loam, 15 to 25 percent slopes	B	B	68	0.1 0.1%	0.07					
29	43.8 Developed Open Space	As	Ashville silt loam	C/D	C	78	0.4 0.8%	0.62					
29	43.8 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	2.2 5.1%	4.28					
29	43.8 Emergent Herbaceous Wetlands	As	Ashville silt loam	C/D	D	80	0.2 0.5%	0.40					
29	43.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChD	Chadakoim silt loam, 15 to 25 percent slopes	B	B	69	1.1 2.5%	1.73					
29	43.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	0.9 2.1%	1.66					
29	43.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	12.7 29.1%	24.44					
29	43.8 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.2 0.5%	0.43					



29	43.8 Woods (Fair) Decidious Forest, Evergreen Forest	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	60	4.8 10.9%	6.54	CN	78
29	43.8 Woods (Fair) Decidious Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	2.3 5.2%	3.80		
29	43.8 Woods (Fair) Decidious Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	17.8 40.6%	32.07		
30	50.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	0.1 0.1%	0.07		
30	50.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	3.1 6.1%	4.70		
30	50.7 Developed Low Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	93	0.1 0.1%	0.09	CN	81
30	50.7 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	2.5 5%	4.20		
30	50.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	0.5 1.1%	0.87		
30	50.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	14.4 28.5%	23.94		
30	50.7 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	As	Ashville silt loam	C/D	C	85	0.0 0%	0.00		
30	50.7 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	0.4 0.9%	0.80	CN	83
30	50.7 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.7 1.3%	1.11		
30	50.7 Woods (Fair) Decidious Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	0.1 0.2%	0.15		
30	50.7 Woods (Fair) Decidious Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	28.8 56.8%	44.87		
31	9.9 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	7.4 74.3%	62.41		
31	9.9 Wetlands, Woody Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	85	0.4 4.4%	3.74	CN	80
31	9.9 Woods (Fair) Decidious Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	2.1 21.4%	16.91		
32	47.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	0.2 0.5%	0.35		
32	47.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	2.1 4.5%	3.47		
32	47.0 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	0.1 0.2%	0.19		
32	47.0 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.7 1.5%	1.26	CN	77
32	47.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	15.0 32%	26.88		
32	47.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	0.2 0.5%	0.45		
32	47.0 Woods (Fair) Decidious Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	4.1 8.6%	6.28		
32	47.0 Woods (Fair) Decidious Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	24.6 52.3%	41.32		
33	55.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	Ad	Alden mucky silt loam	C/D	C	70	4.8 8.8%	6.16	CN	80
33	55.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	4.6 8.4%	6.47		
33	55.0 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	0.0 0.1%	0.09		
33	55.0 Developed Open Space	Ad	Alden mucky silt loam	C/D	C	78	1.3 2.5%	1.95		
33	55.0 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.5 1%	0.84		
33	55.0 Emergent Herbaceous Wetlands	Ad	Alden mucky silt loam	C/D	D	80	0.2 0.4%	0.32	CN	80
33	55.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	79	0.3 0.6%	0.47		
33	55.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	1.6 2.9%	2.44		
33	55.0 Wetlands, Woody Wetlands	Ad	Alden mucky silt loam	C/D	D	85	6.0 10.9%	9.27		
33	55.0 Woods (Fair) Decidious Forest, Evergreen Forest	Ad	Alden mucky silt loam	C/D	C	73	17.6 32%	23.36		
33	55.0 Woods (Fair) Decidious Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	17.9 32.6%	25.75	CN	80
34	49.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	Cb	Canandaigua silt loam, loamy substratum	C/D	C	70	1.2 2.4%	1.68		
34	49.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	77	0.1 0.3%	0.23		
34	49.2 Developed Open Space	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	78	1.9 3.9%	3.04		
34	49.2 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.5 1.1%	0.92		
34	49.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	Cb	Canandaigua silt loam, loamy substratum	C/D	C	79	21.6 43.8%	34.60	CN	80
34	49.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	17.7 35.9%	30.16		
34	49.2 Shrubland	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	55	0.4 0.9%	0.50		
34	49.2 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	As	Ashville silt loam	C/D	C	85	0.5 1.1%	0.94		
34	49.2 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	0.3 0.7%	0.62		
34	49.2 Wetlands, Woody Wetlands	Cb	Canandaigua silt loam, loamy substratum	C/D	D	85	0.3 0.5%	0.43	CN	80
34	49.2 Woods (Fair) Decidious Forest, Evergreen Forest	Cb	Canandaigua silt loam, loamy substratum	C/D	C	73	4.4 9%	6.57		
34	49.2 Woods (Fair) Decidious Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	0.2 0.4%	0.32		
35	62.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	0.7 1.1%	0.77		
35	62.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	0.5 0.7%	0.54		
35	62.7 Developed Open Space	Ad	Alden mucky silt loam	C/D	C	78	2.3 3.6%	2.81	CN	80
35	62.7 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	10.5 16.8%	14.11		
35	62.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	11.3 18%	14.22		
35	62.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	21.0 33.5%	28.14		
35	62.7 Shrubland	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	62	0.4 0.7%	0.43		
35	62.7 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	85	0.7 1.1%	0.94	CN	82
35	62.7 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	0.0 0%	0.00		
35	62.7 Woods (Fair) Decidious Forest, Evergreen Forest	Ad	Alden mucky silt loam	C/D	C	73	10.7 17%	12.41		
35	62.7 Woods (Fair) Decidious Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	4.7 7.5%	5.93		
36	60.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	70	0.0 0%	0.00		
36	60.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	0.6 1%	0.77	CN	82
36	60.9 Developed Low Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	93	0.1 0.1%	0.09		
36	60.9 Developed Open Space	As	Ashville silt loam	C/D	C	78	0.0 0.1%	0.08		
36	60.9 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	3.4 5.6%	4.70		
36	60.9 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	3.1 5.1%	4.03		
36	60.9 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	40.0 65.7%	55.19	CN	82
36	60.9 Shrubland	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	55	0.1 0.2%	0.11		
36	60.9 Shrubland	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	62	0.3 0.5%	0.31		
36	60.9 Small Grain (Good), Oats	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	87	0.2 0.4%	0.35		
36	60.9 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.4 0.7%	0.60		
36	60.9 Woods (Fair) Decidious Forest, Evergreen Forest	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	73	2.9 4.7%	3.43	CN	82
36	60.9 Woods (Fair) Decidious Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	9.7 15.9%	12.56		
37	12.1 Developed Low Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	93	0.1 0.5%	0.47		
37	12.1 Developed Open Space	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.2 2%	1.68		
37	12.1 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	10.1 83.3%	69.97		



37	12.1 Wetlands, Woody Wetlands	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	85	0.1 0.6%	0.51	CN	83
37	12.1 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	1.6 13.6%	10.74	12.1 acres	
38	21.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	0.3 1.3%	1.00		
38	21.3 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	0.0 0.1%	0.09		
38	21.3 Developed Open Space	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	78	0.2 1.1%	0.86		
38	21.3 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	1.4 6.6%	5.54		
38	21.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	5.3 24.7%	19.51		
38	21.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	12.6 59.3%	49.81		
38	21.3 Shrubland	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	62	0.2 1%	0.62		
38	21.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	85	0.2 1%	0.85		
38	21.3 Woods (Fair) Deciduous Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	0.2 1%	0.73	CN	82
38	21.3 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	0.8 3.8%	3.00	21.3 acres	
39	27.0 Barren	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	92	0.7 2.5%	2.30		
39	27.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	A	35	0.3 1%	0.35		
39	27.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	Ho	Holderton silt loam, 0 to 3 percent slopes, occasionally flooded 140	B/D	B	56	0.1 0.5%	0.28		
39	27.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	Ad	Alden mucky silt loam	C/D	C	70	0.1 0.4%	0.28		
39	27.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErC	Erie silt loam, 8 to 15 percent slopes	D	D	77	0.6 2.2%	1.69		
39	27.0 Developed Low Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	93	0.2 0.8%	0.74		
39	27.0 Developed Open Space	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	A	52	1.1 4.1%	2.13		
39	27.0 Developed Open Space	As	Ashville silt loam	C/D	C	78	0.5 1.9%	1.48		
39	27.0 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	3.5 12.8%	10.75		
39	27.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	A	49	3.7 13.9%	6.81		
39	27.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	Ho	Holderton silt loam, 0 to 3 percent slopes, occasionally flooded 140	B/D	B	69	0.6 2.1%	1.45		
39	27.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	Ad	Alden mucky silt loam	C/D	C	79	0.1 0.5%	0.40		
39	27.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	7.5 27.9%	23.44		
39	27.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CnB	Chenango gravelly loam, 3 to 8 percent slopes	A	A	67	0.4 1.3%	0.87		
39	27.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	Ho	Holderton silt loam, 0 to 3 percent slopes, occasionally flooded 140	B/D	B	78	0.1 0.5%	0.39		
39	27.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	89	0.2 0.8%	0.71		
39	27.0 Wetlands, Woody Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	85	0.2 0.8%	0.68		
39	27.0 Woods (Fair) Deciduous Forest, Evergreen Forest	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	A	36	1.6 5.8%	2.09		
39	27.0 Woods (Fair) Deciduous Forest, Evergreen Forest	Ho	Holderton silt loam, 0 to 3 percent slopes, occasionally flooded 140	B/D	B	60	0.3 1.2%	0.72		
39	27.0 Woods (Fair) Deciduous Forest, Evergreen Forest	Ad	Alden mucky silt loam	C/D	C	73	1.2 4.3%	3.14	CN	72
39	27.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ErC	Erie silt loam, 8 to 15 percent slopes	D	D	79	3.9 14.6%	11.53	27.0 acres	
40	2.8 Barren	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	92	0.1 2.1%	1.93		
40	2.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	0.1 1.8%	1.39		
40	2.8 Developed Open Space	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.2 5.5%	4.62		
40	2.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	2.0 70.3%	59.05		
40	2.8 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	0.2 8%	7.12	CN	84
40	2.8 Woods (Fair) Deciduous Forest, Evergreen Forest	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	79	0.3 12.3%	9.72	2.8 acres	
41	1.6 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	0.0 2.3%	2.14		
41	1.6 Developed Medium Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	94	0.0 0%	0.00		
41	1.6 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.4 22.7%	19.07	CN	84
41	1.6 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	1.2 74.9%	62.92	1.6 acres	
42	46.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	CnC	Chenango gravelly loam, 8 to 15 percent slopes	A	A	35	1.2 2.5%	0.88		
42	46.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	56	0.6 1.3%	0.73		
42	46.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	70	1.5 3.3%	2.31		
42	46.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	1.9 4.2%	3.23		
42	46.2 Developed Medium Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	94	0.0 0%	0.00		
42	46.2 Developed Open Space	CnC	Chenango gravelly loam, 8 to 15 percent slopes	A	A	52	0.3 0.7%	0.36		
42	46.2 Developed Open Space	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	68	0.2 0.4%	0.27		
42	46.2 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.8 1.7%	1.43		
42	46.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CnC	Chenango gravelly loam, 8 to 15 percent slopes	A	A	49	0.1 0.3%	0.15		
42	46.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	69	0.8 1.7%	1.17		
42	46.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	14.0 30.3%	25.45		
42	46.2 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	0.1 0.2%	0.18		
42	46.2 Wetlands, Woody Wetlands	CnC	Chenango gravelly loam, 8 to 15 percent slopes	A	A	85	1.0 2.1%	1.79		
42	46.2 Wetlands, Woody Wetlands	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	85	1.0 2.1%	1.79		
42	46.2 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	3.0 6.4%	5.44		
42	46.2 Woods (Fair) Deciduous Forest, Evergreen Forest	CnC	Chenango gravelly loam, 8 to 15 percent slopes	A	A	36	6.1 13.2%	4.75		
42	46.2 Woods (Fair) Deciduous Forest, Evergreen Forest	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	60	6.7 14.5%	8.70		
42	46.2 Woods (Fair) Deciduous Forest, Evergreen Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	73	1.7 3.6%	2.63	CN	70
42	46.2 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	5.3 11.5%	9.09	46.2 acres	
43	15.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	CnC	Chenango gravelly loam, 8 to 15 percent slopes	A	A	35	0.5 3.1%	1.09		
43	15.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	56	0.0 0.2%	0.11		
43	15.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	70	2.0 13.2%	9.24		
43	15.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	0.7 4.5%	3.47		
43	15.5 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.9 5.5%	4.62		
43	15.5 Wetlands, Woody Wetlands	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	D	85	0.4 2.7%	2.30		
43	15.5 Woods (Fair) Deciduous Forest, Evergreen Forest	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	A	36	3.2 21%	7.56		
43	15.5 Woods (Fair) Deciduous Forest, Evergreen Forest	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	60	0.6 4.2%	2.52		
43	15.5 Woods (Fair) Deciduous Forest, Evergreen Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	73	4.8 31%	22.63	CN	65
43	15.5 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	2.2 14.5%	11.46	15.5 acres	
44	6.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	77	0.0 0.6%	0.46		
44	6.7 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	0.2 2.9%	2.70		
44	6.7 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	1.6 23.6%	19.82		



44	6.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	4.6 68.8%	57.79	CN 6.7 acres	84
44	6.7 Shrubland	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	62	0.1 0.8%	0.50		
44	6.7 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	0.2 3.3%	2.94		
45	88.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	A	35	0.1 0.1%	0.04		
45	88.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoil silt loam, 25 to 35 percent slopes	B	B	56	1.5 1.6%	0.90		
45	88.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	70	3.1 3.5%	2.45		
45	88.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	3.7 4.2%	3.23		
45	88.3 Developed Open Space	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.0 0.0%	0.00		
45	88.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	6.2 7.1%	5.61		
45	88.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	47.2 53.5%	44.94		
45	88.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	85	0.4 0.4%	0.34	CN 88.3 acres	79
45	88.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	0.4 0.4%	0.36		
45	88.3 Wetlands, Woody Wetlands	ChE	Chadakoil silt loam, 25 to 35 percent slopes	B	B	85	0.0 0.0%	0.00		
45	88.3 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.3 0.3%	0.26		
45	88.3 Woods (Fair) Deciduous Forest, Evergreen Forest	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	A	36	0.8 0.9%	0.32		
45	88.3 Woods (Fair) Deciduous Forest, Evergreen Forest	ChE	Chadakoil silt loam, 25 to 35 percent slopes	B	B	60	5.1 5.8%	3.48		
45	88.3 Woods (Fair) Deciduous Forest, Evergreen Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	73	10.1 11.4%	8.32		
45	88.3 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	9.5 10.7%	8.45		
46	36.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	35	0.7 1.9%	0.67		
46	36.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoil silt loam, 25 to 35 percent slopes	B	B	56	0.9 2.4%	1.34		
46	36.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	70	0.9 2.5%	1.75	CN 36.4 acres	71
46	36.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	0.0 0.1%	0.08		
46	36.4 Developed Low Intensity	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	90	0.0 0.0%	0.00		
46	36.4 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	0.9 2.4%	2.23		
46	36.4 Developed Medium Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	94	0.4 1.2%	1.13		
46	36.4 Developed Open Space	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	78	0.1 0.3%	0.23		
46	36.4 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.2 0.6%	0.50		
46	36.4 Emergent Herbaceous Wetlands	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	D	80	0.4 1%	0.80		
46	36.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	49	0.8 2.1%	1.03		
46	36.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	69	0.4 1.1%	0.76		
46	36.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	79	8.7 23.8%	18.80	CN 22.0 acres	75
46	36.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	5.1 13.9%	11.68		
46	36.4 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	A	67	0.4 1.2%	0.80		
46	36.4 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	85	0.3 0.7%	0.60		
46	36.4 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	0.2 0.6%	0.53		
46	36.4 Wetlands, Woody Wetlands	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	85	0.2 0.6%	0.51		
46	36.4 Wetlands, Woody Wetlands	ChE	Chadakoil silt loam, 25 to 35 percent slopes	B	B	85	0.2 0.6%	0.51		
46	36.4 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	1.7 4.8%	4.08		
46	36.4 Woods (Fair) Deciduous Forest, Evergreen Forest	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	36	4.6 12.6%	4.54		
46	36.4 Woods (Fair) Deciduous Forest, Evergreen Forest	ChE	Chadakoil silt loam, 25 to 35 percent slopes	B	B	60	2.5 7%	4.20		
46	36.4 Woods (Fair) Deciduous Forest, Evergreen Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	73	4.1 11.2%	8.18	CN 28.8 acres	78
46	36.4 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	2.7 7.3%	5.77		
47	22.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	56	0.4 2%	1.12		
47	22.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	70	0.4 1.9%	1.33		
47	22.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	1.5 6.7%	5.16		
47	22.0 Developed Open Space	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	78	0.1 0.5%	0.39		
47	22.0 Emergent Herbaceous Wetlands	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	80	0.2 1%	0.80		
47	22.0 Emergent Herbaceous Wetlands	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	D	80	0.1 0.3%	0.24		
47	22.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	49	0.1 0.3%	0.15		
47	22.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	69	1.7 7.9%	5.45		
47	22.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	79	7.9 35.8%	28.28	CN 28.8 acres	78
47	22.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	2.5 11.6%	9.74		
47	22.0 Wetlands, Woody Wetlands	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	85	0.0 0.0%	0.00		
47	22.0 Wetlands, Woody Wetlands	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	85	0.1 0.3%	0.26		
47	22.0 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.7 3.4%	2.89		
47	22.0 Woods (Fair) Deciduous Forest, Evergreen Forest	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	36	0.2 0.8%	0.29		
47	22.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	60	2.3 10.2%	6.12		
47	22.0 Woods (Fair) Deciduous Forest, Evergreen Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	73	2.5 11.3%	8.25		
47	22.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	1.3 5.8%	4.58		
48	28.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	56	0.2 0.6%	0.34	CN 28.8 acres	78
48	28.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkB	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	0.8 2.8%	1.96		
48	28.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	1.2 4.2%	3.23		
48	28.8 Emergent Herbaceous Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	80	0.4 1.5%	1.20		
48	28.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	69	0.5 1.6%	1.10		
48	28.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkB	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	6.5 22.6%	17.85		
48	28.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	6.4 22.2%	18.65		
48	28.8 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	85	0.0 0.1%	0.09		
48	28.8 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	0.2 0.7%	0.62		
48	28.8 Wetlands, Woody Wetlands	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	85	0.0 0.0%	0.00		
48	28.8 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.6 2.2%	1.87	CN 28.8 acres	78
48	28.8 Woods (Fair) Deciduous Forest, Evergreen Forest	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	60	1.0 3.5%	2.10		
48	28.8 Woods (Fair) Deciduous Forest, Evergreen Forest	CkB	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	5.2 18.1%	13.21		
48	28.8 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	5.7 19.7%	15.56		
49	8.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	56	0.4 5.3%	2.97		
49	8.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkB	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	0.5 5.8%	4.06		



49	8.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	FmB	Fremont silt loam, 3 to 8 percent slopes	D	D	77	0.1 0.9%	0.69		
49	8.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	79	0.0 0.3%	0.24		
49	8.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	FmB	Fremont silt loam, 3 to 8 percent slopes	D	D	84	0.0 0.0%	0.00		
49	8.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	78	0.2 2.1%	1.64		
49	8.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	85	0.2 2.6%	2.21		
49	8.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	FmB	Fremont silt loam, 3 to 8 percent slopes	D	D	89	0.5 5.8%	5.16		
49	8.3 Wetlands, Woody Wetlands	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	85	0.6 7.7%	6.55		
49	8.3 Wetlands, Woody Wetlands	FmB	Fremont silt loam, 3 to 8 percent slopes	D	D	85	0.2 2.7%	2.30		
49	8.3 Woods (Fair) Deciduous Forest, Evergreen Forest	Fe	Fluvaquents-Udfluvents complex, frequently flooded	A/D	A	36	0.1 0.8%	0.29		
49	8.3 Woods (Fair) Deciduous Forest, Evergreen Forest	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	60	2.7 32.3%	19.38		
49	8.3 Woods (Fair) Deciduous Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	1.2 14.5%	10.59	CN	71
49	8.3 Woods (Fair) Deciduous Forest, Evergreen Forest	FmB	Fremont silt loam, 3 to 8 percent slopes	D	D	79	1.6 19.3%	15.25	8.3 acres	
50	8.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	56	0.2 2.8%	1.57		
50	8.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	0.4 5.6%	3.92		
50	8.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	0.5 6.7%	5.29		
50	8.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	FmB	Fremont silt loam, 3 to 8 percent slopes	D	D	84	0.4 5.1%	4.28		
50	8.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	85	0.2 2.7%	2.30		
50	8.0 Wetlands, Woody Wetlands	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	85	0.1 0.9%	0.77		
50	8.0 Wetlands, Woody Wetlands	FmB	Fremont silt loam, 3 to 8 percent slopes	D	D	85	0.0 0.1%	0.09		
50	8.0 Woods (Fair) Deciduous Forest, Evergreen Forest	Fe	Fluvaquents-Udfluvents complex, frequently flooded	A/D	A	36	0.2 2.3%	0.83		
50	8.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	60	2.5 30.9%	18.54		
50	8.0 Woods (Fair) Deciduous Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	2.5 31%	22.63	CN	70
50	8.0 Woods (Fair) Deciduous Forest, Evergreen Forest	FmB	Fremont silt loam, 3 to 8 percent slopes	D	D	79	0.9 11.9%	9.40	8.0 acres	
51	95.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	56	0.1 0.1%	0.06		
51	95.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	1.6 1.7%	1.19		
51	95.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	2.0 2.1%	1.62		
51	95.3 Developed Open Space	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.7 0.7%	0.59		
51	95.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	69	3.0 3.2%	2.21		
51	95.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	79	6.0 6.3%	4.98		
51	95.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	15.3 16.1%	13.52		
51	95.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	78	1.3 1.4%	1.09		
51	95.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	85	0.1 0.2%	0.17		
51	95.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	0.0 0.0%	0.00		
51	95.3 Wetlands, Woody Wetlands	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	85	0.4 0.4%	0.34		
51	95.3 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.1 0.1%	0.09		
51	95.3 Woods (Fair) Deciduous Forest, Evergreen Forest	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	60	10.8 11.3%	6.78		
51	95.3 Woods (Fair) Deciduous Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	24.1 25.3%	18.47	CN	76
51	95.3 Woods (Fair) Deciduous Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	29.6 31.1%	24.57	95.3 acres	
52	3.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	56	0.1 3%	1.68		
52	3.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	0.0 0.8%	0.56		
52	3.9 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	69	0.1 2.1%	1.45		
52	3.9 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	78	0.3 7.5%	5.85		
52	3.9 Wetlands, Woody Wetlands	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	85	0.6 14.2%	12.07		
52	3.9 Woods (Fair) Deciduous Forest, Evergreen Forest	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	60	2.8 71%	42.60	CN	65
52	3.9 Woods (Fair) Deciduous Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	0.1 1.3%	0.95	3.9 acres	
53	13.1 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	56	0.1 0.5%	0.28		
53	13.1 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	0.0 0.3%	0.21		
53	13.1 Woods (Fair) Deciduous Forest, Evergreen Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	60	0.3 2.7%	1.62		
53	13.1 Woods (Fair) Deciduous Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	10.2 78.1%	57.01	CN	74
53	13.1 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	2.4 18.3%	14.46	13.1 acres	
54	88.0 Barren	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	92	1.3 1.5%	1.38		
54	88.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	56	2.4 2.7%	1.51		
54	88.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	Ad	Alden mucky silt loam	C/D	C	70	0.3 0.4%	0.28		
54	88.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	4.0 4.5%	3.47		
54	88.0 Developed Low Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	93	0.4 0.5%	0.47		
54	88.0 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	5.2 5.9%	4.96		
54	88.0 Emergent Herbaceous Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	80	0.4 0.5%	0.40		
54	88.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	Ad	Alden mucky silt loam	C/D	C	79	0.0 0.0%	0.00		
54	88.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	19.5 22.2%	18.65		
54	88.0 Small Grain (Good), Oats	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	87	0.2 0.3%	0.26		
54	88.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	1.0 1.2%	1.07		
54	88.0 Wetlands, Woody Wetlands	Ad	Alden mucky silt loam	C/D	D	85	0.7 0.7%	0.60		
54	88.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	60	8.8 9.9%	5.94		
54	88.0 Woods (Fair) Deciduous Forest, Evergreen Forest	Ad	Alden mucky silt loam	C/D	C	73	12.0 13.7%	10.00	CN	77
54	88.0 Woods (Fair) Deciduous Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	31.7 36%	28.44	88.0 acres	
55	21.6 Barren	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	92	0.2 1%	0.92		
55	21.6 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	56	0.1 0.3%	0.17		
55	21.6 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	0.3 1.4%	1.08		
55	21.6 Developed Open Space	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	1.1 4.9%	4.12		
55	21.6 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkD	Chautauqua silt loam, 15 to 25 percent slopes	C/D	C	79	0.0 0.2%	0.16		
55	21.6 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	13.5 62.4%	52.42		
55	21.6 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	89	0.4 1.9%	1.69		
55	21.6 Woods (Fair) Deciduous Forest, Evergreen Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	60	1.0 4.8%	2.88		
55	21.6 Woods (Fair) Deciduous Forest, Evergreen Forest	CkD	Chautauqua silt loam, 15 to 25 percent slopes	C/D	C	73	0.0 0%	0.00	CN	82
55	21.6 Woods (Fair) Deciduous Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	5.0 23.2%	18.33	21.6 acres	



56	7.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	77	0.2 2.4%	1.85		
56	7.5 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	2.9 39%	32.76	CN	81
56	7.5 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	4.4 58.5%	46.22	7.5 acres	
57	23.1 Barren	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	92	0.2 1%	0.92		
57	23.1 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	56	0.0 0.1%	0.06		
57	23.1 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkD	Chautauqua silt loam, 15 to 25 percent slopes	C/D	C	70	0.4 1.7%	1.19		
57	23.1 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	0.6 2.4%	1.85		
57	23.1 Developed Open Space	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	0.5 2.2%	1.68		
57	23.1 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkD	Chautauqua silt loam, 15 to 25 percent slopes	C/D	C	79	0.4 1.9%	1.50		
57	23.1 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	8.4 36.5%	30.66		
57	23.1 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	89	1.2 5.4%	4.81		
57	23.1 Woods (Fair) Deciduous Forest, Evergreen Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	60	0.6 2.6%	1.56		
57	23.1 Woods (Fair) Deciduous Forest, Evergreen Forest	CkD	Chautauqua silt loam, 15 to 25 percent slopes	C/D	C	73	7.2 31.3%	22.85	CN	79
57	23.1 Woods (Fair) Deciduous Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	3.5 15.2%	12.01	23.1 acres	
58	59.0 Barren	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	81	0.0 0%	0.00		
58	59.0 Barren	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	92	0.4 0.7%	0.64		
58	59.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	56	0.0 0%	0.00		
58	59.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	1.6 2.6%	2.00		
58	59.0 Developed High Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	94	0.2 0.4%	0.38		
58	59.0 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	0.4 0.8%	0.74		
58	59.0 Developed Medium Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	94	0.4 0.8%	0.75		
58	59.0 Developed Open Space	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	68	0.3 0.5%	0.34		
58	59.0 Developed Open Space	As	Ashville silt loam	C/D	C	78	0.0 0%	0.00		
58	59.0 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	3.1 5.2%	4.37		
58	59.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	2.3 3.8%	3.00		
58	59.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	30.0 50.7%	42.59		
58	59.0 Shrubland	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	62	0.2 0.3%	0.19		
58	59.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	1.4 2.4%	2.14		
58	59.0 Wetlands, Woody Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	85	0.2 0.4%	0.34		
58	59.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	60	4.4 7.5%	4.50		
58	59.0 Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	1.5 2.5%	1.83	CN	81
58	59.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	12.6 21.3%	16.83	59.0 acres	
59	66.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	1.5 2.2%	1.54		
59	66.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	2.9 4.4%	3.39		
59	66.5 Emergent Herbaceous Wetlands	As	Ashville silt loam	C/D	D	80	0.6 0.9%	0.72		
59	66.5 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	1.3 2%	1.58		
59	66.5 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	26.4 39.6%	33.26		
59	66.5 Shrubland	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	62	0.0 0.1%	0.06		
59	66.5 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	1.1 1.6%	1.42		
59	66.5 Water	Ad	Alden mucky silt loam	C/D	C	98	0.1 0.1%	0.10		
59	66.5 Wetlands, Woody Wetlands	As	Ashville silt loam	C/D	D	85	6.3 9.5%	8.08		
59	66.5 Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	11.0 16.6%	12.12	CN	80
59	66.5 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	15.3 23%	18.17	66.5 acres	
60	30.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	Fe	Fluvaquents-Udifluvents complex, frequently flooded	A/D	A	35	0.1 0.3%	0.11		
60	30.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	2.2 7.3%	5.11		
60	30.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	4.3 13.9%	10.70		
60	30.7 Emergent Herbaceous Wetlands	Ad	Alden mucky silt loam	C/D	D	80	1.4 4.5%	3.60		
60	30.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	1.4 4.6%	3.86		
60	30.7 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	Ad	Alden mucky silt loam	C/D	C	85	0.2 0.7%	0.60		
60	30.7 Water	Fe	Fluvaquents-Udifluvents complex, frequently flooded	A/D	A	98	0.0 0%	0.00		
60	30.7 Water	Ad	Alden mucky silt loam	C/D	C	98	0.7 2.2%	2.16		
60	30.7 Water	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	98	0.3 1.1%	1.08		
60	30.7 Wetlands, Woody Wetlands	As	Ashville silt loam	C/D	D	85	6.2 20.1%	17.09		
60	30.7 Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	4.7 15.4%	11.24	CN	79
60	30.7 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	9.2 29.9%	23.62	30.7 acres	



Drainage Area ID	Drainage Area	Curve Number	Land Use/Description	Soil Symbol	Soil Description	SSURGO Hydro Classification	Corrected Hydro Classification	Curve Number	Acreage	Percent	Weighted CN		
1	34.2	Brush-brush, weed, grass mix (Fair)	Mixed Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	77	1.5	4.5%	3.43		
1	34.2	Emergent Herbaceous Wetlands		VoB	Volusia channery silt loam, 3 to 8 percent slopes	D	D	80	0.0	0.1%	0.10		
1	34.2	Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	91	4.0	11.7%	10.64		
1	34.2	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	2.9	8.4%	7.02		
1	34.2	PV Fenced Areas		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	0.8	2.4%	1.99		
1	34.2	Straight Row Crop (Good)	Alfalfa, Corn, Soybeans	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	89	2.4	7.1%	6.36		
1	34.2	Wetlands, Woody Wetlands		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	85	0.4	1.3%	1.11		
1	34.2	Woods (Fair)	Deciduous Forest, Evergreen Forest	CkD	Chautauqua silt loam, 15 to 25 percent slopes	C/D	C	73	0.7	1.9%	1.40	CN	82
1	34.2	Woods (Fair)	Deciduous Forest, Evergreen Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	79	21.4	62.6%	49.48	34.2 acres	
2	33.5	Brush-brush, weed, grass mix (Fair)	Mixed Forest	As	Ashville silt loam	C/D	C	70	0.0	0.12%	0.08		
2	33.5	Brush-brush, weed, grass mix (Fair)	Mixed Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	77	0.2	0.55%	0.42		
2	33.5	Developed Open Space		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	2.1	6.29%	5.28		
2	33.5	Emergent Herbaceous Wetlands		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	80	0.2	0.66%	0.53		
2	33.5	Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard		VoB	Volusia channery silt loam, 3 to 8 percent slopes	D	D	91	3.5	10.50%	9.56		
2	33.5	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	2.2	6.72%	5.64		
2	33.5	PV Fenced Areas		As	Ashville silt loam	C/D	C	79	0.6	1.82%	1.44		
2	33.5	PV Fenced Areas		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	3.1	9.28%	7.80		
2	33.5	Straight Row Crop (Good)	Alfalfa, Corn, Soybeans	VoB	Volusia channery silt loam, 3 to 8 percent slopes	D	D	89	1.2	3.68%	3.28		
2	33.5	Wetlands, Woody Wetlands		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	85	0.5	1.36%	1.16		
2	33.5	Woods (Fair)	Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	0.8	2.28%	1.66	CN	82
2	33.5	Woods (Fair)	Deciduous Forest, Evergreen Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	79	19.0	56.73%	44.82	33.5 acres	
3	46.1	Brush-brush, weed, grass mix (Fair)	Mixed Forest	As	Ashville silt loam	C/D	C	70	0.1	0.2%	0.14		
3	46.1	Brush-brush, weed, grass mix (Fair)	Mixed Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	77	0.9	2%	1.54		
3	46.1	Developed Low Intensity		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	93	0.2	0.4%	0.37		
3	46.1	Developed Open Space		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	1.8	3.9%	3.28		
3	46.1	Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard		VoB	Volusia channery silt loam, 3 to 8 percent slopes	D	D	91	0.4	0.9%	0.82		
3	46.1	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	5.7	12.4%	10.42		
3	46.1	PV Fenced Areas		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	10.0	21.7%	18.23		
3	46.1	Straight Row Crop (Good)	Alfalfa, Corn, Soybeans	VoB	Volusia channery silt loam, 3 to 8 percent slopes	D	D	89	0.5	1.1%	0.98		
3	46.1	Wetlands, Woody Wetlands		VoB	Volusia channery silt loam, 3 to 8 percent slopes	D	D	85	0.5	1%	0.85		
3	46.1	Woods (Fair)	Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	3.1	6.6%	4.82	CN	81
3	46.1	Woods (Fair)	Deciduous Forest, Evergreen Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	79	22.9	49.7%	39.26	46.1 acres	
4	106.3	Brush-brush, weed, grass mix (Fair)	Mixed Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	70	0.9	0.9%	0.63		
4	106.3	Developed Open Space		BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	78	2.8	2.6%	2.03		
4	106.3	Developed Open Space		ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	0.6	0.6%	0.50		
4	106.3	Emergent Herbaceous Wetlands		BsB	Busti silt loam, 3 to 8 percent slopes	C/D	D	80	0.2	0.2%	0.16		
4	106.3	Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard		BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	89	0.2	0.1%	0.09		
4	106.3	Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	91	0.5	0.5%	0.46		
4	106.3	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa		BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	79	12.9	12.1%	9.56		
4	106.3	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa		ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	2.8	2.6%	2.18		
4	106.3	PV Fenced Areas		BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	79	16.9	15.9%	12.56		
4	106.3	PV Fenced Areas		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	7.2	6.8%	5.71		
4	106.3	Straight Row Crop (Good)	Alfalfa, Corn, Soybeans	BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	85	4.4	4.2%	3.57		
4	106.3	Straight Row Crop (Good)	Alfalfa, Corn, Soybeans	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	89	0.7	0.7%	0.62		
4	106.3	Wetlands, Woody Wetlands		BsA	Busti silt loam, 0 to 3 percent slopes	C/D	D	85	3.4	3.2%	2.72		
4	106.3	Woods (Fair)	Deciduous Forest, Evergreen Forest	BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	73	47.9	45%	32.85	CN	77
4	106.3	Woods (Fair)	Deciduous Forest, Evergreen Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	79	4.7	4.5%	3.56	106.3 acres	
5	14.1	Brush-brush, weed, grass mix (Fair)	Mixed Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	70	0.8	5.6%	3.92		
5	14.1	Developed Open Space		BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	78	1.5	10.7%	8.35		
5	14.1	Developed Open Space		ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	0.6	4.3%	3.61		
5	14.1	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa		CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	79	2.3	16.5%	13.04		
5	14.1	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa		ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	0.2	1.7%	1.43		
5	14.1	Straight Row Crop (Good)	Alfalfa, Corn, Soybeans	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	85	7.5	53.3%	45.31		
5	14.1	Straight Row Crop (Good)	Alfalfa, Corn, Soybeans	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	89	0.5	3.5%	3.12		
5	14.1	Wetlands, Woody Wetlands		BsB	Busti silt loam, 3 to 8 percent slopes	C/D	D	85	0.4	2.7%	2.30		
5	14.1	Woods (Fair)	Deciduous Forest, Evergreen Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	73	0.1	0.7%	0.51	CN	82
5	14.1	Woods (Fair)	Deciduous Forest, Evergreen Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	79	0.1	1.1%	0.87	14.1 acres	
6	108.0	Barren		BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	88	0.2	0.2%	0.18		
6	108.0	Brush-brush, weed, grass mix (Fair)	Mixed Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	2.8	2.6%	1.82		
6	108.0	Brush-brush, weed, grass mix (Fair)	Mixed Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	77	1.5	1.4%	1.08		
6	108.0	Developed Low Intensity		BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	90	1.5	1.4%	1.26		
6	108.0	Developed Medium Intensity		BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	93	0.9	0.8%	0.74		
6	108.0	Developed Open Space		BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	78	2.7	2.5%	1.95		
6	108.0	Developed Open Space		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	2.0	1.8%	1.51		
6	108.0	Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard		As	Ashville silt loam	C/D	C	89	0.9	0.9%	0.80		
6	108.0	Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	91	0.2	0.2%	0.18		
6	108.0	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa		BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	79	5.5	5.1%	4.03		
6	108.0	Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa		VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	11.8	10.9%	9.16		
6	108.0	PV Fenced Areas		BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	79	11.3	10.4%	8.22		



6	108.0 PV Fenced Areas	DaA	Dalton silt loam, 0 to 3 percent slopes	D	D	84	4.0 3.7%	3.11		
6	108.0 Shrubland	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	55	0.1 0.1%	0.06		
6	108.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	BsA	Busti silt loam, 0 to 3 percent slopes	C/D	C	85	1.4 1.3%	1.11		
6	108.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	89	4.3 4%	3.56		
6	108.0 Wetlands, Woody Wetlands	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	D	85	2.5 2.3%	1.96		
6	108.0 Woods (Fair) Deciduous Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	44.6 41.3%	30.15	CN	78
6	108.0 Woods (Fair) Deciduous Forest, Evergreen Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	79	9.8 9.1%	7.19	108.0 acres	
7	9.1 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	70	0.2 2.2%	1.54		
7	9.1 PV Fenced Areas	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	79	4.3 47.9%	37.84		
7	9.1 Woods (Fair) Deciduous Forest, Evergreen Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	73	4.5 49.2%	35.92	CN	76
7	9.1 Woods (Fair) Deciduous Forest, Evergreen Forest	VoB	Volusia channery silt loam, 3 to 8 percent slopes	D	D	79	0.1 0.8%	0.63	9.1 acres	
8	38.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	4.4 11.6%	8.12		
8	38.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	77	2.3 6.1%	4.70		
8	38.4 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	91	0.4 0.9%	0.82		
8	38.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	0.3 0.7%	0.59		
8	38.4 PV Fenced Areas	As	Ashville silt loam	C/D	C	79	4.3 11.3%	8.93		
8	38.4 PV Fenced Areas	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	13.1 34.3%	28.81		
8	38.4 Woods (Fair) Deciduous Forest, Evergreen Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	73	6.2 16.2%	11.83	CN	79
8	38.4 Woods (Fair) Deciduous Forest, Evergreen Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	79	7.3 18.9%	14.93	38.4 acres	
9	76.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	70	1.8 2.3%	1.61		
9	76.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	77	0.2 0.2%	0.15		
9	76.3 Developed Low Intensity	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	90	0.2 0.3%	0.27		
9	76.3 Developed Open Space	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	78	2.3 3%	2.34		
9	76.3 Developed Open Space	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	0.3 0.4%	0.34		
9	76.3 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	89	1.0 1.3%	1.16		
9	76.3 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	91	0.2 0.2%	0.18		
9	76.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	79	3.9 5.2%	4.11		
9	76.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	0.7 1%	0.84		
9	76.3 PV Fenced Areas	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	79	23.6 31%	24.49		
9	76.3 PV Fenced Areas	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	84	8.9 11.7%	9.83		
9	76.3 Shrubland	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	62	0.2 0.2%	0.12		
9	76.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	85	8.4 11.1%	9.44		
9	76.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	89	0.0 0%	0.00		
9	76.3 Woods (Fair) Deciduous Forest, Evergreen Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	73	14.0 18.4%	13.43	CN	79
9	76.3 Woods (Fair) Deciduous Forest, Evergreen Forest	VoA	Volusia channery silt loam, 0 to 3 percent slopes	D	D	79	10.4 13.6%	10.74	76.3 acres	
10	24.1 Developed Low Intensity	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	90	0.0 0.1%	0.09		
10	24.1 Developed Low Intensity	DaA	Dalton silt loam, 0 to 3 percent slopes	D	D	93	0.2 0.7%	0.65		
10	24.1 Developed Open Space	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	78	0.6 2.5%	1.95		
10	24.1 Developed Open Space	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	0.5 2.2%	1.85		
10	24.1 Emergent Herbaceous Wetlands	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	80	0.1 0.4%	0.32		
10	24.1 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	89	0.3 1.3%	1.16		
10	24.1 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	91	0.1 0.6%	0.55		
10	24.1 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	79	0.6 2.3%	1.82		
10	24.1 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	1.1 4.5%	3.78		
10	24.1 PV Fenced Areas	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	79	10.8 44.7%	35.31		
10	24.1 PV Fenced Areas	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	5.7 23.6%	19.82		
10	24.1 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	85	0.7 3%	2.55		
10	24.1 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	89	1.0 4%	3.56		
10	24.1 Wetlands, Woody Wetlands	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	D	85	0.2 0.9%	0.77		
10	24.1 Woods (Fair) Deciduous Forest, Evergreen Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	73	2.1 8.8%	6.42	CN	81
10	24.1 Woods (Fair) Deciduous Forest, Evergreen Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	79	0.1 0.4%	0.32	24.1 acres	
11	39.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	70	0.2 0.6%	0.42		
11	39.9 Developed Open Space	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	78	1.0 2.5%	1.95		
11	39.9 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	89	0.6 1.6%	1.42		
11	39.9 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	79	2.2 5.6%	4.42		
11	39.9 PV Fenced Areas	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	79	14.9 37.3%	29.47		
11	39.9 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	85	0.2 0.6%	0.51		
11	39.9 Wetlands, Woody Wetlands	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	D	85	0.3 0.8%	0.68	CN	76
11	39.9 Woods (Fair) Deciduous Forest, Evergreen Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	73	20.3 50.9%	37.16	39.9 acres	
12	11.2 Developed Open Space	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	78	0.3 2.5%	1.95		
12	11.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	79	0.1 0.7%	0.55		
12	11.2 PV Fenced Areas	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	79	6.1 54.5%	43.06		
12	11.2 Woods (Fair) Deciduous Forest, Evergreen Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	73	4.7 42.3%	30.88	CN	77
13	17.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	0.2 1%	0.70	11.3 acres	
13	17.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	77	0.7 4.3%	3.31		
13	17.3 Developed Open Space	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	78	0.1 0.4%	0.31		
13	17.3 Developed Open Space	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	0.6 3.8%	3.19		
13	17.3 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	89	0.1 0.9%	0.80		
13	17.3 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	91	0.5 2.6%	2.37		
13	17.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	0.4 2.4%	1.90		
13	17.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	1.1 6.2%	5.21		
13	17.3 PV Fenced Areas	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	0.4 2.5%	1.98		



13	17.3 PV Fenced Areas	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	5.2 30.3%	25.45		
13	17.3 Woods (Fair) Decidious Forest, Evergreen Forest	W	Water			98	0.5 2.9%	2.84		
13	17.3 Wetlands, Woody Wetlands	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	D	85	0.9 5.5%	4.68		
13	17.3 Woods (Fair) Decidious Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	1.9 11%	8.03	CN	81
13	17.3 Woods (Fair) Decidious Forest, Evergreen Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	79	4.5 26.3%	20.78	17.1 acres	
14	29.2 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	89	0.0 0.1%	0.09		
14	29.2 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	91	0.5 1.7%	1.55		
14	29.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	0.1 0.4%	0.34		
14	29.2 PV Fenced Areas	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	0.0 0.1%	0.08		
14	29.2 PV Fenced Areas	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	19.9 68.1%	57.20		
14	29.2 Wetlands, Woody Wetlands	W	Water			98	0.0 0%	0.00		
14	29.2 Wetlands, Woody Wetlands	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	D	85	1.8 6%	5.10		
14	29.2 Woods (Fair) Decidious Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	0.4 1.2%	0.88	CN	83
14	29.2 Woods (Fair) Decidious Forest, Evergreen Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	79	6.6 22.4%	17.70	29.2 acres	
15	47.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	2.0 4.2%	2.94		
15	47.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	77	1.7 3.5%	2.70		
15	47.2 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	89	0.1 0.2%	0.18		
15	47.2 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	91	0.1 0.2%	0.18		
15	47.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	0.4 0.8%	0.63		
15	47.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.9 2%	1.68		
15	47.2 PV Fenced Areas	As	Ashville silt loam	C/D	C	79	3.9 8.2%	6.48		
15	47.2 PV Fenced Areas	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	3.1 6.5%	5.46		
15	47.2 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	85	0.2 0.4%	0.34		
15	47.2 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	0.0 0%	0.00		
15	47.2 Water	As	Ashville silt loam	C/D	C	98	0.3 0.6%	0.59		
15	47.2 Woods (Fair) Decidious Forest, Evergreen Forest	W	Water			98	2.3 4.8%	4.70		
15	47.2 Wetlands, Woody Wetlands	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	85	11.9 25.1%	21.34		
15	47.2 Woods (Fair) Decidious Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	10.5 22.2%	16.21	CN	80
15	47.2 Woods (Fair) Decidious Forest, Evergreen Forest	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	79	10.0 21.2%	16.75	47.2 acres	
16	58.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	1.4 2.4%	1.85		
16	58.3 Developed Low Intensity	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	93	0.2 0.3%	0.28		
16	58.3 Developed Open Space	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	1.2 2%	1.68		
16	58.3 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	1.1 1.9%	1.73		
16	58.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	32.8 56.2%	47.21		
16	58.3 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	7.0 12%	10.08		
16	58.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	2.6 4.5%	4.01		
16	58.3 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.2 0.4%	0.34	CN	83
16	58.3 Woods (Fair) Decidious Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	11.8 20.3%	16.04	58.3 acres	
17	60.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	0.4 0.7%	0.49		
17	60.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	77	0.0 0%	0.00		
17	60.0 Emergent Herbaceous Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	80	0.2 0.3%	0.24		
17	60.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	As	Ashville silt loam	C/D	C	89	0.3 0.5%	0.45		
17	60.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	91	0.9 1.5%	1.37		
17	60.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	5.6 9.4%	7.43		
17	60.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	20.2 33.7%	28.31		
17	60.0 PV Fenced Areas	As	Ashville silt loam	C/D	C	79	0.6 1.1%	0.87		
17	60.0 PV Fenced Areas	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	84	6.2 10.3%	8.65		
17	60.0 Wetlands, Woody Wetlands	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	85	1.1 1.8%	1.53		
17	60.0 Woods (Fair) Decidious Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	8.7 14.6%	10.66	CN	81
17	60.0 Woods (Fair) Decidious Forest, Evergreen Forest	ErA	Erie silt loam, 0 to 3 percent slopes	D	D	79	15.6 26%	20.54	60.0 acres	
18	242.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChB	Chadakoil silt loam, 3 to 8 percent slopes	B	B	56	3.0 1.2%	0.67		
18	242.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	7.4 3.1%	2.17		
18	242.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	26.2 10.8%	8.32		
18	242.2 Emergent Herbaceous Wetlands	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	80	1.2 0.5%	0.40		
18	242.2 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ChB	Chadakoil silt loam, 3 to 8 percent slopes	B	B	85	0.0 0%	0.00		
18	242.2 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	As	Ashville silt loam	C/D	C	89	0.1 0.1%	0.09		
18	242.2 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	91	1.3 0.6%	0.55		
18	242.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.0 0%	0.00		
18	242.2 PV Fenced Areas	ChB	Chadakoil silt loam, 3 to 8 percent slopes	B	B	69	0.2 0.1%	0.07		
18	242.2 PV Fenced Areas	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	0.4 0.2%	0.16		
18	242.2 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	31.6 13.1%	11.00		
18	242.2 Woods (Fair) Decidious Forest, Evergreen Forest	W	Water			98	0.1 0%	0.00		
18	242.2 Wetlands, Woody Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	85	58.1 24%	20.40		
18	242.2 Woods (Fair) Decidious Forest, Evergreen Forest	ChB	Chadakoil silt loam, 3 to 8 percent slopes	B	B	60	0.8 0.3%	0.18		
18	242.2 Woods (Fair) Decidious Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	12.6 5.2%	3.80	CN	80
18	242.2 Woods (Fair) Decidious Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	99.1 40.9%	32.31	242.2 acres	
19	8.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChB	Chadakoil silt loam, 3 to 8 percent slopes	B	B	56	0.0 0%	0.00		
19	8.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	Cc	Canandaigua mucky silt loam	C/D	C	70	0.3 2.9%	2.03		
19	8.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	0.2 2.8%	2.16		
19	8.9 Emergent Herbaceous Wetlands	Cc	Canandaigua mucky silt loam	C/D	D	80	0.5 6.2%	4.96		
19	8.9 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ChB	Chadakoil silt loam, 3 to 8 percent slopes	B	B	85	0.2 2.1%	1.79		
19	8.9 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	91	0.0 0.1%	0.09		



19	8.9 PV Fenced Areas	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	69	1.4 15.3%	10.56	81
19	8.9 PV Fenced Areas	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	2.2 25.1%	21.08	
19	8.9 Wetlands, Woody Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	85	3.9 43.9%	37.32	
19	8.9 Woods (Fair) Deciduous Forest, Evergreen Forest	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	60	0.0 0%	0.00	
19	8.9 Woods (Fair) Deciduous Forest, Evergreen Forest	Cc	Canandaigua mucky silt loam	C/D	C	73	0.0 0.4%	0.29	
19	8.9 Woods (Fair) Deciduous Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	0.1 1%	0.79	
20	385.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	70	4.2 1.1%	0.77	
20	385.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	9.3 2.4%	1.85	
20	385.7 Developed Low Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	93	0.4 0.1%	0.09	
20	385.7 Developed Open Space	As	Ashville silt loam	C/D	C	78	0.5 0.1%	0.08	
20	385.7 Developed Open Space	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	9.1 2.4%	2.02	81
20	385.7 Emergent Herbaceous Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	80	0.9 0.2%	0.16	
20	385.7 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	89	0.3 0.1%	0.09	
20	385.7 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	91	2.9 0.8%	0.73	
20	385.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	79	0.1 0%	0.00	
20	385.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	122.5 31.8%	26.71	
20	385.7 PV Fenced Areas	As	Ashville silt loam	C/D	C	79	18.3 4.7%	3.71	
20	385.7 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	82.1 21.3%	17.89	
20	385.7 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	2.5 0.7%	0.62	
20	385.7 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	3.3 0.9%	0.77	
20	385.7 Woods (Fair) Deciduous Forest, Evergreen Forest	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	60	4.2 1.1%	0.66	81
20	385.7 Woods (Fair) Deciduous Forest, Evergreen Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	73	19.5 5%	3.65	
20	385.7 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	105.4 27.3%	21.57	
21	162.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	56	0.4 0.3%	0.17	
21	162.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	4.9 3%	2.10	
21	162.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	FmA	Fremont silt loam, 0 to 3 percent slopes	D	D	77	0.9 0.6%	0.46	
21	162.0 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.3 0.2%	0.17	
21	162.0 Emergent Herbaceous Wetlands	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	80	0.0 0%	0.00	
21	162.0 Emergent Herbaceous Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	80	0.3 0.2%	0.16	
21	162.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	85	0.6 0.4%	0.34	
21	162.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	As	Ashville silt loam	C/D	C	89	0.9 0.6%	0.53	75
21	162.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	91	1.0 0.6%	0.55	
21	162.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	69	2.2 1.3%	0.90	
21	162.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ShB	Schuyler silt loam, 3 to 8 percent slopes	C/D	C	79	5.2 3.2%	2.53	
21	162.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	FmA	Fremont silt loam, 0 to 3 percent slopes	D	D	84	20.5 12.7%	10.67	
21	162.0 PV Fenced Areas	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	69	4.6 2.9%	2.00	
21	162.0 PV Fenced Areas	ShB	Schuyler silt loam, 3 to 8 percent slopes	C/D	C	79	39.0 24.1%	19.04	
21	162.0 PV Fenced Areas	FmA	Fremont silt loam, 0 to 3 percent slopes	D	D	84	3.3 2.1%	1.76	
21	162.0 Shrubland	ShB	Schuyler silt loam, 3 to 8 percent slopes	C/D	C	55	0.1 0.1%	0.06	
21	162.0 Shrubland	FmA	Fremont silt loam, 0 to 3 percent slopes	D	D	62	0.6 0.3%	0.19	
21	162.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	85	0.2 0.1%	0.09	75
21	162.0 Wetlands, Woody Wetlands	As	Ashville silt loam	C/D	D	85	2.0 1.2%	1.02	
21	162.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	60	18.5 11.4%	6.84	
21	162.0 Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	45.2 27.9%	20.37	
21	162.0 Woods (Fair) Deciduous Forest, Evergreen Forest	FmA	Fremont silt loam, 0 to 3 percent slopes	D	D	79	11.1 6.8%	5.37	
22	32.6 Brush-brush, weed, grass mix (Fair)Mixed Forest	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	35	0.2 0.5%	0.18	
22	32.6 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	1.8 5.6%	3.92	
22	32.6 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	89	0.4 1.3%	1.16	
22	32.6 PV Fenced Areas	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	79	14.3 43.9%	34.68	
22	32.6 Woods (Fair) Deciduous Forest, Evergreen Forest	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	36	0.1 0.2%	0.07	
22	32.6 Woods (Fair) Deciduous Forest, Evergreen Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	73	15.8 48.5%	35.41	75
23	76.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChF	Chadakoin silt loam, 35 to 50 percent slopes	B	B	56	1.9 2.5%	1.40	
23	76.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	70	0.7 0.9%	0.63	
23	76.5 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.2 0.2%	0.17	
23	76.5 Emergent Herbaceous Wetlands	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	80	0.1 0.1%	0.08	
23	76.5 Emergent Herbaceous Wetlands	As	Ashville silt loam	C/D	D	80	0.1 0.2%	0.16	
23	76.5 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	89	0.4 0.5%	0.45	
23	76.5 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	69	1.0 1.3%	0.90	
23	76.5 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	0.1 0.1%	0.08	
23	76.5 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	7.2 9.4%	7.90	
23	76.5 PV Fenced Areas	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	69	6.5 8.5%	5.87	70
23	76.5 PV Fenced Areas	As	Ashville silt loam	C/D	C	79	11.0 14.4%	11.38	
23	76.5 Shrubland	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	2.0 2.6%	2.18	
23	76.5 Shrubland	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	42	0.2 0.2%	0.08	
23	76.5 Shrubland	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	62	0.1 0.1%	0.06	
23	76.5 Wetlands, Woody Wetlands	ChF	Chadakoin silt loam, 35 to 50 percent slopes	B	B	85	0.1 0.1%	0.09	
23	76.5 Wetlands, Woody Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	85	1.0 1.3%	1.11	
23	76.5 Woods (Fair) Deciduous Forest, Evergreen Forest	ChF	Chadakoin silt loam, 35 to 50 percent slopes	B	B	60	28.2 36.8%	22.08	
23	76.5 Woods (Fair) Deciduous Forest, Evergreen Forest	BsB	Busti silt loam, 3 to 8 percent slopes	C/D	C	73	12.2 15.9%	11.61	
23	76.5 Woods (Fair) Deciduous Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	3.7 4.9%	3.87	
24	178.6 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	56	0.0 0%	0.00	70
24	178.6 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	1.4 0.8%	0.56	



24	178.6 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	6.8 3.8%	2.93		
24	178.6 Developed Low Intensity	ChF	Chadakoin silt loam, 35 to 50 percent slopes	B	B	88	0.3 0.2%	0.18		
24	178.6 Developed Low Intensity	As	Ashville silt loam	C/D	C	90	0.2 0.1%	0.09		
24	178.6 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	1.3 0.7%	0.65		
24	178.6 Developed Medium Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	94	0.4 0.2%	0.19		
24	178.6 Developed Open Space	ChF	Chadakoin silt loam, 35 to 50 percent slopes	B	B	68	1.4 0.8%	0.54		
24	178.6 Developed Open Space	As	Ashville silt loam	C/D	C	78	1.7 1%	0.78		
24	178.6 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	10.6 5.9%	4.96		
24	178.6 Emergent Herbaceous Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	80	0.5 0.3%	0.24		
24	178.6 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	2.0 1.1%	1.00		
24	178.6 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	69	0.0 0%	0.00		
24	178.6 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	4.4 2.5%	1.98		
24	178.6 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	42.9 24%	20.16		
24	178.6 PV Fenced Areas	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	69	0.1 0.1%	0.07		
24	178.6 PV Fenced Areas	As	Ashville silt loam	C/D	C	79	0.1 0%	0.00		
24	178.6 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	28.8 16.1%	13.52		
24	178.6 Shrubland	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	62	0.2 0.1%	0.06		
24	178.6 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	As	Ashville silt loam	C/D	C	85	0.2 0.1%	0.09		
24	178.6 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	0.9 0.5%	0.45		
24	178.6 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	3.5 1.9%	1.62		
24	178.6 Woods (Fair) Deciduous Forest, Evergreen Forest	ChF	Chadakoin silt loam, 35 to 50 percent slopes	B	B	60	5.1 2.9%	1.74		
24	178.6 Woods (Fair) Deciduous Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	19.7 11.1%	8.10		
24	178.6 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	45.8 25.7%	20.30	178.6 acres	80
25	151.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	0.8 0.5%	0.35		
25	151.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	1.7 1.1%	0.85		
25	151.8 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	1.8 1.2%	1.12		
25	151.8 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	7.1 4.6%	3.86		
25	151.8 Emergent Herbaceous Wetlands	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	80	0.7 0.4%	0.32		
25	151.8 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	As	Ashville silt loam	C/D	C	89	0.1 0.1%	0.09		
25	151.8 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	1.7 1.1%	1.00		
25	151.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	3.1 2%	1.58		
25	151.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	42.8 28.2%	23.69		
25	151.8 PV Fenced Areas	As	Ashville silt loam	C/D	C	79	0.0 0%	0.00		
25	151.8 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	47.5 31.3%	26.29		
25	151.8 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	As	Ashville silt loam	C/D	C	85	0.1 0.1%	0.09		
25	151.8 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	0.9 0.6%	0.53		
25	151.8 Water	As	Ashville silt loam	C/D	C	98	0.4 0.3%	0.29		
25	151.8 Water	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	98	0.2 0.1%	0.10		
25	151.8 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	3.6 2.4%	2.04		
25	151.8 Woods (Fair) Deciduous Forest, Evergreen Forest	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	60	0.8 0.5%	0.30		
25	151.8 Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	10.4 6.8%	4.96		
25	151.8 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	28.1 18.5%	14.62	151.8 acres	82
26	184.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	56	0.1 0.1%	0.06		
26	184.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	5.6 3%	2.31		
26	184.4 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	5.2 2.8%	2.35		
26	184.4 Emergent Herbaceous Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	80	1.3 0.7%	0.56		
26	184.4 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	1.0 0.6%	0.55		
26	184.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	69	0.2 0.1%	0.07		
26	184.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	6.1 3.3%	2.61		
26	184.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	40.8 22.1%	18.56		
26	184.4 PV Fenced Areas	ChB	Chadakoin silt loam, 3 to 8 percent slopes	B	B	69	1.8 1%	0.69		
26	184.4 PV Fenced Areas	As	Ashville silt loam	C/D	C	79	3.4 1.8%	1.42		
26	184.4 PV Fenced Areas	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	83.0 45%	37.80		
26	184.4 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	As	Ashville silt loam	C/D	C	85	0.5 0.3%	0.26		
26	184.4 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	1.8 1%	0.89		
26	184.4 Water	As	Ashville silt loam	C/D	C	98	1.1 0.6%	0.59		
26	184.4 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	W	Water			98	0.3 0.1%	0.10		
26	184.4 Wetlands, Woody Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	85	10.1 5.5%	4.68		
26	184.4 Woods (Fair) Deciduous Forest, Evergreen Forest	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	60	0.0 0%	0.00		
26	184.4 Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	6.7 3.6%	2.63		
26	184.4 Woods (Fair) Deciduous Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	15.3 8.3%	6.56	184.4 acres	83
27	33.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	0.1 0.4%	0.31		
27	33.7 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	85	0.0 0.1%	0.09		
27	33.7 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	91	0.5 1.4%	1.27		
27	33.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	69	0.4 1.3%	0.90		
27	33.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	5.2 15.6%	13.10		
27	33.7 PV Fenced Areas	ChD	Chadakoin silt loam, 15 to 25 percent slopes	B	B	69	1.3 3.9%	2.69		
27	33.7 PV Fenced Areas	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	15.5 46.1%	38.72		
27	33.7 Wetlands, Woody Wetlands	As	Ashville silt loam	C/D	D	85	1.5 4.3%	3.66		
27	33.7 Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	1.6 4.7%	3.43		
27	33.7 Woods (Fair) Deciduous Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	7.5 22.2%	17.54	33.7 acres	82
28	18.9 Developed Open Space	Ad	Alden mucky silt loam	C/D	C	78	0.0 0%	0.00		



28	18.9 Developed Open Space	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	2.9 15.1%	12.68		
28	18.9 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	91	0.2 1.2%	1.09		
28	18.9 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	Ad	Alden mucky silt loam	C/D	C	79	0.2 0.9%	0.71		
28	18.9 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	7.5 39.9%	33.52		
28	18.9 PV Fenced Areas	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	8.1 42.8%	35.95		
28	18.9 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	89	0.0 0.1%	0.09	CN	84
28	18.9 Woods (Fair) Decidious Forest, Evergreen Forest	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	79	0.0 0%	0.00	18.9 acres	
29	43.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChD	Chadakoim silt loam, 15 to 25 percent slopes	B	B	56	0.0 0.1%	0.06		
29	43.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	0.4 1%	0.77		
29	43.8 Developed Open Space	ChD	Chadakoim silt loam, 15 to 25 percent slopes	B	B	68	0.1 0.1%	0.07		
29	43.8 Developed Open Space	As	Ashville silt loam	C/D	C	78	0.4 0.8%	0.62		
29	43.8 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	2.2 5%	4.20		
29	43.8 Emergent Herbaceous Wetlands	As	Ashville silt loam	C/D	D	80	0.2 0.5%	0.40		
29	43.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChD	Chadakoim silt loam, 15 to 25 percent slopes	B	B	69	1.1 2.5%	1.73		
29	43.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	0.9 2.1%	1.66		
29	43.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	6.6 15.1%	12.68		
29	43.8 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	13.9 31.8%	26.71		
29	43.8 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.2 0.5%	0.43		
29	43.8 Woods (Fair) Decidious Forest, Evergreen Forest	ChD	Chadakoim silt loam, 15 to 25 percent slopes	B	B	60	4.8 10.9%	6.54		
29	43.8 Woods (Fair) Decidious Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	2.3 5.2%	3.80	CN	79
29	43.8 Woods (Fair) Decidious Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	10.7 24.4%	19.28	43.8 acres	
30	50.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	0.1 0.1%	0.07		
30	50.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	1.9 3.8%	2.93		
30	50.7 Developed Low Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	93	0.1 0.1%	0.09		
30	50.7 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	2.4 4.8%	4.03		
30	50.7 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	1.0 1.9%	1.73		
30	50.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	0.5 1.1%	0.87		
30	50.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	7.5 14.8%	12.43		
30	50.7 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	22.8 44.9%	37.72		
30	50.7 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	As	Ashville silt loam	C/D	C	85	0.0 0%	0.00		
30	50.7 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	0.4 0.7%	0.62		
30	50.7 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.7 1.3%	1.11		
30	50.7 Woods (Fair) Decidious Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	0.1 0.2%	0.15	CN	83
30	50.7 Woods (Fair) Decidious Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	13.4 26.4%	20.86	50.7 acres	
31	9.9 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	3.9 39.6%	33.26		
31	9.9 PV Fenced Areas	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	3.6 36.1%	30.32		
31	9.9 Wetlands, Woody Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	85	0.4 4.3%	3.66	CN	83
31	9.9 Woods (Fair) Decidious Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	2.0 20%	15.80	9.9 acres	
32	47.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	1.4 3%	2.31		
32	47.0 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	0.1 0.2%	0.19		
32	47.0 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.6 1.3%	1.09		
32	47.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	0.7 1.5%	1.37		
32	47.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	1.3 2.9%	2.44		
32	47.0 PV Fenced Areas	As	Ashville silt loam	C/D	C	79	4.2 9%	7.11		
32	47.0 PV Fenced Areas	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	31.0 66.1%	55.52		
32	47.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	0.2 0.4%	0.36		
32	47.0 Woods (Fair) Decidious Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	0.1 0.1%	0.07	CN	83
32	47.0 Woods (Fair) Decidious Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	7.3 15.5%	12.25	47.0 acres	
33	55.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	Ad	Alden mucky silt loam	C/D	C	70	4.8 8.8%	6.16		
33	55.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	4.6 8.3%	6.39		
33	55.0 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	0.0 0.1%	0.09		
33	55.0 Developed Open Space	Ad	Alden mucky silt loam	C/D	C	78	1.3 2.5%	1.95		
33	55.0 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.5 1%	0.84		
33	55.0 Emergent Herbaceous Wetlands	Ad	Alden mucky silt loam	C/D	D	80	0.2 0.4%	0.32		
33	55.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	89	0.1 0.2%	0.18		
33	55.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	91	0.2 0.4%	0.36		
33	55.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	79	0.1 0.3%	0.24		
33	55.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.1 0.2%	0.17		
33	55.0 PV Fenced Areas	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	79	0.1 0.3%	0.24		
33	55.0 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	5.0 9%	7.56		
33	55.0 Wetlands, Woody Wetlands	Ad	Alden mucky silt loam	C/D	D	85	6.0 10.9%	9.27		
33	55.0 Woods (Fair) Decidious Forest, Evergreen Forest	Ad	Alden mucky silt loam	C/D	C	73	17.5 31.8%	23.21	CN	78
33	55.0 Woods (Fair) Decidious Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	14.3 26%	20.54	55.0 acres	
34	49.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	Cb	Canandaigua silt loam, loamy substratum	C/D	C	70	1.2 2.3%	1.61		
34	49.2 Developed Open Space	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	78	1.9 3.9%	3.04		
34	49.2 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.5 1.1%	0.92		
34	49.2 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	89	0.0 0%	0.00		
34	49.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	Cb	Canandaigua silt loam, loamy substratum	C/D	C	79	19.4 39.4%	31.13		
34	49.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	17.2 35%	29.40		
34	49.2 PV Fenced Areas	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	79	3.4 7%	5.53		
34	49.2 PV Fenced Areas	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.6 1.2%	1.01		
34	49.2 Shrubland	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	55	0.3 0.6%	0.33		



34	49.2 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	As	Ashville silt loam	C/D	C	85	0.3 0.7%	0.60		
34	49.2 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	0.3 0.7%	0.62		
34	49.2 Wetlands, Woody Wetlands	Cb	Canandaigua silt loam, loamy substratum	C/D	D	85	0.3 0.5%	0.43		
34	49.2 Woods (Fair) Deciduous Forest, Evergreen Forest	Cb	Canandaigua silt loam, loamy substratum	C/D	D	73	3.6 7.3%	5.33	CN	80
34	49.2 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	0.2 0.4%	0.32	49.2 acres	
35	62.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	0.7 1.1%	0.77		
35	62.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	0.5 0.7%	0.54		
35	62.7 Developed Open Space	Ad	Alden mucky silt loam	C/D	C	78	2.3 3.6%	2.81		
35	62.7 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	10.3 16.4%	13.78		
35	62.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	3.6 5.7%	4.50		
35	62.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	5.8 9.3%	7.81		
35	62.7 PV Fenced Areas	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	79	8.1 12.9%	10.19		
35	62.7 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	15.4 24.5%	20.58		
35	62.7 Shrubland	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	62	0.4 0.7%	0.43		
35	62.7 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	85	0.4 0.7%	0.60		
35	62.7 Woods (Fair) Deciduous Forest, Evergreen Forest	Ad	Alden mucky silt loam	C/D	C	73	10.5 16.8%	12.26	CN	80
35	62.7 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	4.7 7.5%	5.93	62.7 acres	
36	60.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	70	0.0 0%	0.00		
36	60.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	0.3 0.5%	0.39		
36	60.9 Developed Low Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	93	0.1 0.1%	0.09		
36	60.9 Developed Open Space	As	Ashville silt loam	C/D	C	78	0.0 0.1%	0.08		
36	60.9 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	3.3 5.4%	4.54		
36	60.9 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	89	0.3 0.4%	0.36		
36	60.9 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	1.3 2.1%	1.91		
36	60.9 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	1.7 2.8%	2.21		
36	60.9 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	12.7 20.9%	17.56		
36	60.9 PV Fenced Areas	As	Ashville silt loam	C/D	C	79	1.6 2.6%	2.05		
36	60.9 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	27.6 45.4%	38.14		
36	60.9 Shrubland	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	55	0.1 0.2%	0.11		
36	60.9 Shrubland	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	62	0.0 0.1%	0.06		
36	60.9 Small Grain (Good), Oats	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	87	0.2 0.3%	0.26		
36	60.9 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.4 0.7%	0.60		
36	60.9 Woods (Fair) Deciduous Forest, Evergreen Forest	DeC	Darien silt loam, 8 to 15 percent slopes	C/D	C	73	2.5 4.1%	2.99	CN	83
36	60.9 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	8.8 14.5%	11.46	60.9 acres	
37	12.1 Developed Low Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	93	0.1 0.5%	0.47		
37	12.1 Developed Open Space	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.2 2%	1.68		
37	12.1 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	91	0.0 0.1%	0.09		
37	12.1 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	2.3 19.4%	16.30		
37	12.1 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	7.9 65.2%	54.77		
37	12.1 Wetlands, Woody Wetlands	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	85	0.1 0.6%	0.51	CN	84
37	12.1 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	1.5 12.3%	9.72	12.1 acres	
38	21.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	0.3 1.3%	1.00		
38	21.3 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	0.0 0.1%	0.09		
38	21.3 Developed Open Space	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	78	0.1 0.6%	0.47		
38	21.3 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	1.0 4.9%	4.12		
38	21.3 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	89	0.2 0.7%	0.62		
38	21.3 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	0.2 1.1%	1.00		
38	21.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	0.3 1.2%	0.95		
38	21.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	2.3 10.8%	9.07		
38	21.3 PV Fenced Areas	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	5.2 24.3%	19.20		
38	21.3 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	10.6 49.5%	41.58		
38	21.3 Shrubland	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	62	0.2 0.9%	0.56		
38	21.3 Woods (Fair) Deciduous Forest, Evergreen Forest	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	0.2 1%	0.73	CN	82
38	21.3 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	0.8 3.7%	2.92	21.3 acres	
39	27.0 Barren	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	92	0.7 2.5%	2.30		
39	27.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	Fe	Fluvaquents-Udfluvents complex, frequently flooded	A/D	A	35	0.3 1%	0.35		
39	27.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	Ho	Holderton silt loam, 0 to 3 percent slopes, occasionally flooded 140	B/D	B	56	0.1 0.5%	0.28		
39	27.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	Ad	Alden mucky silt loam	C/D	C	70	0.1 0.3%	0.21		
39	27.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErC	Erie silt loam, 8 to 15 percent slopes	D	D	77	0.5 1.8%	1.39		
39	27.0 Developed Low Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	93	0.2 0.8%	0.74		
39	27.0 Developed Open Space	Fe	Fluvaquents-Udfluvents complex, frequently flooded	A/D	A	52	1.0 3.8%	1.98		
39	27.0 Developed Open Space	As	Ashville silt loam	C/D	C	78	0.5 1.7%	1.33		
39	27.0 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	3.0 11.3%	9.49		
39	27.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	CnB	Chenango gravelly loam, 3 to 8 percent slopes	A	A	76	0.1 0.5%	0.38		
39	27.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	Ad	Alden mucky silt loam	C/D	C	89	0.0 0%	0.00		
39	27.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	91	0.3 1%	0.91		
39	27.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	Fe	Fluvaquents-Udfluvents complex, frequently flooded	A/D	A	49	2.1 7.8%	3.82		
39	27.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	Ho	Holderton silt loam, 0 to 3 percent slopes, occasionally flooded 140	B/D	B	69	0.5 2%	1.38		
39	27.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	Ad	Alden mucky silt loam	C/D	C	79	0.1 0.4%	0.32		
39	27.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	3.1 11.6%	9.74		
39	27.0 PV Fenced Areas	CnB	Chenango gravelly loam, 3 to 8 percent slopes	A	A	49	1.6 5.8%	2.84		
39	27.0 PV Fenced Areas	Ho	Holderton silt loam, 0 to 3 percent slopes, occasionally flooded 140	B/D	B	69	0.0 0.2%	0.14		



39	27.0 PV Fenced Areas	As	Ashville silt loam	C/D	C	79	0.1 0.4%	0.32		
39	27.0 PV Fenced Areas	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	4.8 17.9%	15.04		
39	27.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CnB	Chenango gravelly loam, 3 to 8 percent slopes	A	A	67	0.4 1.3%	0.87		
39	27.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	Ho	Holderton silt loam, 0 to 3 percent slopes, occasionally flooded 140	B/D	B	78	0.1 0.5%	0.39		
39	27.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	89	0.2 0.8%	0.71		
39	27.0 Wetlands, Woody Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	85	0.2 0.8%	0.68		
39	27.0 Woods (Fair) Deciduous Forest, Evergreen Forest	Fe	Fluvaquents-Udfluvents complex, frequently flooded	A/D	A	36	1.6 5.8%	2.09		
39	27.0 Woods (Fair) Deciduous Forest, Evergreen Forest	Ho	Holderton silt loam, 0 to 3 percent slopes, occasionally flooded 140	B/D	B	60	0.3 1.2%	0.72		
39	27.0 Woods (Fair) Deciduous Forest, Evergreen Forest	Ad	Alden mucky silt loam	C/D	C	73	1.2 4.3%	3.14	CN	73
39	27.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ErC	Erie silt loam, 8 to 15 percent slopes	D	D	79	3.8 14%	11.06	27.0 acres	
40	2.8 Barren	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	92	0.1 2.1%	1.93		
40	2.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	0.0 0%	0.00		
40	2.8 Developed Open Space	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.1 4.4%	3.70		
40	2.8 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	91	0.2 8.7%	7.92		
40	2.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.5 19.6%	16.46		
40	2.8 PV Fenced Areas	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	1.5 53.2%	44.69		
40	2.8 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	89	0.1 4.8%	4.27	CN	85
40	2.8 Woods (Fair) Deciduous Forest, Evergreen Forest	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	79	0.2 7.2%	5.69	2.8 acres	
41	1.6 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	0.0 2.3%	2.14		
41	1.6 Developed Medium Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	94	0.0 0%	0.00		
41	1.6 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.4 22.7%	19.07		
41	1.6 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.8 49.5%	41.58	CN	84
41	1.6 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.4 25.5%	21.42	1.6 acres	
42	46.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	CnC	Chenango gravelly loam, 8 to 15 percent slopes	A	A	35	1.2 2.5%	0.88		
42	46.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	56	0.2 0.3%	0.17		
42	46.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	70	0.1 0.1%	0.07		
42	46.2 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	0.2 0.4%	0.31		
42	46.2 Developed Medium Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	94	0.0 0%	0.00		
42	46.2 Developed Open Space	CnC	Chenango gravelly loam, 8 to 15 percent slopes	A	A	52	0.3 0.7%	0.36		
42	46.2 Developed Open Space	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	68	0.2 0.4%	0.27		
42	46.2 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.7 1.5%	1.26		
42	46.2 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	0.4 0.8%	0.73		
42	46.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CnC	Chenango gravelly loam, 8 to 15 percent slopes	A	A	49	0.1 0.3%	0.15		
42	46.2 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	2.1 4.6%	3.86		
42	46.2 PV Fenced Areas	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	69	4.5 9.6%	6.62		
42	46.2 PV Fenced Areas	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	79	3.3 7.2%	5.69		
42	46.2 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	17.6 38.1%	32.00		
42	46.2 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	0.1 0.2%	0.18		
42	46.2 Wetlands, Woody Wetlands	CnC	Chenango gravelly loam, 8 to 15 percent slopes	A	A	85	1.0 2.1%	1.79		
42	46.2 Wetlands, Woody Wetlands	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	85	0.8 1.7%	1.45		
42	46.2 Wetlands, Woody Wetlands	Fe	Fluvaquents-Udfluvents complex, frequently flooded	A/D	D	85	2.3 5.1%	4.34		
42	46.2 Woods (Fair) Deciduous Forest, Evergreen Forest	CnC	Chenango gravelly loam, 8 to 15 percent slopes	A	A	36	6.1 13.2%	4.75		
42	46.2 Woods (Fair) Deciduous Forest, Evergreen Forest	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	60	3.6 7.8%	4.68		
42	46.2 Woods (Fair) Deciduous Forest, Evergreen Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	73	0.3 0.6%	0.44	CN	72
42	46.2 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	1.3 2.7%	2.13	46.2 acres	
43	15.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	CnC	Chenango gravelly loam, 8 to 15 percent slopes	A	A	35	0.5 3.1%	1.09		
43	15.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	56	0.0 0.2%	0.11		
43	15.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	70	0.6 4.1%	2.87		
43	15.5 PV Fenced Areas	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	79	4.9 31.6%	24.96		
43	15.5 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	3.8 24.6%	20.66		
43	15.5 Wetlands, Woody Wetlands	Fe	Fluvaquents-Udfluvents complex, frequently flooded	A/D	D	85	0.4 2.7%	2.30		
43	15.5 Woods (Fair) Deciduous Forest, Evergreen Forest	Fe	Fluvaquents-Udfluvents complex, frequently flooded	A/D	A	36	3.2 21%	7.56		
43	15.5 Woods (Fair) Deciduous Forest, Evergreen Forest	ChC	Chadakoin silt loam, 8 to 15 percent slopes	B	B	60	0.6 4.2%	2.52	CN	68
43	15.5 Woods (Fair) Deciduous Forest, Evergreen Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	73	1.3 8.5%	6.21	15.5 acres	
44	6.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	77	0.0 0.6%	0.46		
44	6.7 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	0.2 2.9%	2.70		
44	6.7 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	1.6 23.1%	19.40		
44	6.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	2.1 31.9%	26.80		
44	6.7 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	2.6 38.3%	32.17		
44	6.7 Shrubland	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	62	0.1 0.8%	0.50	CN	84
44	6.7 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	0.2 2.4%	2.14	6.7 acres	
45	88.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	Fe	Fluvaquents-Udfluvents complex, frequently flooded	A/D	A	35	0.1 0.1%	0.04		
45	88.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	56	1.3 1.5%	0.84		
45	88.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	70	1.3 1.5%	1.05		
45	88.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	3.5 4%	3.08		
45	88.3 Developed Open Space	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.0 0%	0.00		
45	88.3 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	89	0.4 0.4%	0.36		
45	88.3 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	0.4 0.5%	0.46		
45	88.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	2.4 2.7%	2.13		
45	88.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	24.1 27.3%	22.93		
45	88.3 PV Fenced Areas	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	69	0.3 0.4%	0.28		
45	88.3 PV Fenced Areas	As	Ashville silt loam	C/D	C	79	10.5 11.9%	9.40		



45	88.3 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	26.0 29.4%	24.70		
45	88.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	85	0.4 0.4%	0.34		
45	88.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	0.4 0.4%	0.36		
45	88.3 Wetlands, Woody Wetlands	ChE	Chadakoil silt loam, 25 to 35 percent slopes	B	B	85	0.0 0%	0.00		
45	88.3 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.0 0%	0.00		
45	88.3 Woods (Fair) Deciduous Forest, Evergreen Forest	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	A	36	0.8 0.9%	0.32		
45	88.3 Woods (Fair) Deciduous Forest, Evergreen Forest	ChE	Chadakoil silt loam, 25 to 35 percent slopes	B	B	60	4.8 5.5%	3.30		
45	88.3 Woods (Fair) Deciduous Forest, Evergreen Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	73	5.0 5.7%	4.16	CN	79
45	88.3 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	6.4 7.2%	5.69	88.3 acres	
46	36.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	35	0.7 1.9%	0.67		
46	36.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoil silt loam, 25 to 35 percent slopes	B	B	56	0.3 0.8%	0.45		
46	36.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	70	0.6 1.7%	1.19		
46	36.4 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	0.0 0.1%	0.08		
46	36.4 Developed Low Intensity	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	90	0.0 0%	0.00		
46	36.4 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	0.7 2%	1.86		
46	36.4 Developed Medium Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	94	0.4 1.2%	1.13		
46	36.4 Developed Open Space	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	78	0.1 0.3%	0.23		
46	36.4 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.2 0.6%	0.50		
46	36.4 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	89	0.3 0.9%	0.80		
46	36.4 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	0.1 0.3%	0.27		
46	36.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	49	0.8 2.1%	1.03		
46	36.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	69	0.0 0.1%	0.07		
46	36.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	79	2.6 7.2%	5.69		
46	36.4 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	1.2 3.3%	2.77		
46	36.4 PV Fenced Areas	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	49	0.2 0.7%	0.34		
46	36.4 PV Fenced Areas	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	69	2.2 6.2%	4.28		
46	36.4 PV Fenced Areas	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	79	8.3 22.7%	17.93		
46	36.4 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	5.0 13.8%	11.59		
46	36.4 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	A	67	0.4 1.2%	0.80		
46	36.4 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	85	0.3 0.7%	0.60		
46	36.4 Wetlands, Woody Wetlands	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	85	0.2 0.6%	0.51		
46	36.4 Wetlands, Woody Wetlands	ChE	Chadakoil silt loam, 25 to 35 percent slopes	B	B	85	0.2 0.6%	0.51		
46	36.4 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	1.1 3.1%	2.64		
46	36.4 Woods (Fair) Deciduous Forest, Evergreen Forest	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	36	4.3 11.9%	4.28		
46	36.4 Woods (Fair) Deciduous Forest, Evergreen Forest	ChE	Chadakoil silt loam, 25 to 35 percent slopes	B	B	60	1.2 3.4%	2.04		
46	36.4 Woods (Fair) Deciduous Forest, Evergreen Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	73	2.4 6.7%	4.89	CN	72
46	36.4 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	2.1 5.9%	4.66	36.4 acres	
47	22.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	56	0.3 1.3%	0.73		
47	22.0 Developed Open Space	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	78	0.1 0.5%	0.39		
47	22.0 Emergent Herbaceous Wetlands	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	80	0.2 1%	0.80		
47	22.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	89	0.2 0.8%	0.71		
47	22.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	49	0.1 0.3%	0.15		
47	22.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	69	0.6 2.9%	2.00		
47	22.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	79	2.2 10%	7.90		
47	22.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.4 2%	1.68		
47	22.0 PV Fenced Areas	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	69	1.3 5.8%	4.00		
47	22.0 PV Fenced Areas	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	79	8.9 40.2%	31.76		
47	22.0 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	5.0 22.9%	19.24		
47	22.0 Wetlands, Woody Wetlands	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	85	0.0 0%	0.00		
47	22.0 Wetlands, Woody Wetlands	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	85	0.1 0.3%	0.26		
47	22.0 Woods (Fair) Deciduous Forest, Evergreen Forest	CoB	Chenango channery loam, fan, 3 to 8 percent slopes	A	A	36	0.2 0.8%	0.29		
47	22.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	60	2.3 10.2%	6.12		
47	22.0 Woods (Fair) Deciduous Forest, Evergreen Forest	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	73	0.1 0.6%	0.44	CN	77
47	22.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	0.0 0.2%	0.16	22.0 acres	
48	28.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	56	0.2 0.6%	0.34		
48	28.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkB	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	0.1 0.4%	0.28		
48	28.8 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	0.0 0%	0.00		
48	28.8 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	CkB	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	89	0.3 1.1%	0.98		
48	28.8 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	0.3 0.9%	0.82		
48	28.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	69	0.4 1.2%	0.83		
48	28.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	79	0.2 0.6%	0.47		
48	28.8 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	0.4 1.4%	1.18		
48	28.8 PV Fenced Areas	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	69	0.1 0.5%	0.35		
48	28.8 PV Fenced Areas	CkB	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	11.0 38.1%	30.10		
48	28.8 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	13.2 45.9%	38.56		
48	28.8 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CkB	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	85	0.0 0.1%	0.09		
48	28.8 Wetlands, Woody Wetlands	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	85	0.0 0%	0.00		
48	28.8 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.0 0%	0.00		
48	28.8 Woods (Fair) Deciduous Forest, Evergreen Forest	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	60	1.0 3.4%	2.04		
48	28.8 Woods (Fair) Deciduous Forest, Evergreen Forest	CkB	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	1.2 4.2%	3.07	CN	80
48	28.8 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	0.4 1.5%	1.19	28.8 acres	
49	8.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChC	Chadakoil silt loam, 8 to 15 percent slopes	B	B	56	0.2 2%	1.12		



49	8.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	70	0.0 0.1%	0.07		
49	8.3 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ChC	Chadakoiln silt loam, 8 to 15 percent slopes	B	B	85	0.1 1.5%	1.28		
49	8.3 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	BsC	Busti silt loam, 8 to 15 percent slopes	C/D	C	89	0.0 0.4%	0.36		
49	8.3 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	FmB	Fremont silt loam, 3 to 8 percent slopes	D	D	91	0.1 0.8%	0.73		
49	8.3 PV Fenced Areas	ChC	Chadakoiln silt loam, 8 to 15 percent slopes	B	B	69	1.6 19.2%	13.25		
49	8.3 PV Fenced Areas	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	2.0 23.7%	18.72		
49	8.3 PV Fenced Areas	FmB	Fremont silt loam, 3 to 8 percent slopes	D	D	84	2.2 26.8%	22.51		
49	8.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ChC	Chadakoiln silt loam, 8 to 15 percent slopes	B	B	78	0.0 0.1%	0.08		
49	8.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	85	0.0 0%	0.00		
49	8.3 Wetlands, Woody Wetlands	ChC	Chadakoiln silt loam, 8 to 15 percent slopes	B	B	85	0.5 5.5%	4.68		
49	8.3 Woods (Fair) Decidious Forest, Evergreen Forest	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	A	36	0.1 0.8%	0.29		
49	8.3 Woods (Fair) Decidious Forest, Evergreen Forest	ChC	Chadakoiln silt loam, 8 to 15 percent slopes	B	B	60	1.6 19.2%	11.52	CN	75
49	8.3 Woods (Fair) Decidious Forest, Evergreen Forest	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	0.0 0%	0.00	8.3 acres	
50	8.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChC	Chadakoiln silt loam, 8 to 15 percent slopes	B	B	56	0.0 0.2%	0.11		
50	8.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	0.0 0.2%	0.14		
50	8.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	0.1 0.7%	0.55		
50	8.0 PV Fenced Areas	ChC	Chadakoiln silt loam, 8 to 15 percent slopes	B	B	69	1.8 22.7%	15.66		
50	8.0 PV Fenced Areas	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	2.9 36.6%	28.91		
50	8.0 PV Fenced Areas	FmB	Fremont silt loam, 3 to 8 percent slopes	D	D	84	1.4 17%	14.28		
50	8.0 Wetlands, Woody Wetlands	ChC	Chadakoiln silt loam, 8 to 15 percent slopes	B	B	85	0.0 0.3%	0.26		
50	8.0 Wetlands, Woody Wetlands	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	D	85	0.0 0%	0.00		
50	8.0 Woods (Fair) Decidious Forest, Evergreen Forest	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	A	36	0.2 2.3%	0.83		
50	8.0 Woods (Fair) Decidious Forest, Evergreen Forest	ChE	Chadakoiln silt loam, 25 to 35 percent slopes	B	B	60	0.9 11.4%	6.84	CN	74
50	8.0 Woods (Fair) Decidious Forest, Evergreen Forest	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	0.7 8.6%	6.28	8.0 acres	
51	95.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoiln silt loam, 25 to 35 percent slopes	B	B	56	0.0 0%	0.00		
51	95.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	1.0 1%	0.70		
51	95.3 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	1.3 1.3%	1.00		
51	95.3 Developed Open Space	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	0.7 0.7%	0.59		
51	95.3 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ChB	Chadakoiln silt loam, 3 to 8 percent slopes	B	B	85	0.4 0.4%	0.34		
51	95.3 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	89	0.3 0.3%	0.27		
51	95.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ChE	Chadakoiln silt loam, 25 to 35 percent slopes	B	B	69	0.0 0%	0.00		
51	95.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CKB	Chautauqua silt loam, 3 to 8 percent slopes	C/D	C	79	6.0 6.3%	4.98		
51	95.3 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	14.6 15.4%	12.94		
51	95.3 PV Fenced Areas	ChE	Chadakoiln silt loam, 25 to 35 percent slopes	B	B	69	8.9 9.3%	6.42		
51	95.3 PV Fenced Areas	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	16.6 17.4%	13.75		
51	95.3 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	6.0 6.2%	5.21		
51	95.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ChC	Chadakoiln silt loam, 8 to 15 percent slopes	B	B	78	0.0 0%	0.00		
51	95.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	85	0.0 0%	0.00		
51	95.3 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	0.0 0%	0.00		
51	95.3 Wetlands, Woody Wetlands	ChE	Chadakoiln silt loam, 25 to 35 percent slopes	B	B	85	0.1 0.1%	0.09		
51	95.3 Wetlands, Woody Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	85	0.0 0%	0.00		
51	95.3 Woods (Fair) Decidious Forest, Evergreen Forest	ChE	Chadakoiln silt loam, 25 to 35 percent slopes	B	B	60	6.3 6.6%	3.96		
51	95.3 Woods (Fair) Decidious Forest, Evergreen Forest	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	7.9 8.3%	6.06	CN	77
51	95.3 Woods (Fair) Decidious Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	25.2 26.5%	20.94	95.3 acres	
52	3.9 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChC	Chadakoiln silt loam, 8 to 15 percent slopes	B	B	56	0.0 0.8%	0.45		
52	3.9 PV Fenced Areas	ChB	Chadakoiln silt loam, 3 to 8 percent slopes	B	B	69	3.4 86.8%	59.89		
52	3.9 PV Fenced Areas	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	0.1 2.1%	1.66		
52	3.9 Wetlands, Woody Wetlands	ChE	Chadakoiln silt loam, 25 to 35 percent slopes	B	B	85	0.1 1.9%	1.62	CN	69
52	3.9 Woods (Fair) Decidious Forest, Evergreen Forest	ChE	Chadakoiln silt loam, 25 to 35 percent slopes	B	B	60	0.3 8.4%	5.04	3.9 acres	
53	13.1 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoiln silt loam, 25 to 35 percent slopes	B	B	56	0.1 0.5%	0.28		
53	13.1 Brush-brush, weed, grass mix (Fair)Mixed Forest	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	70	0.0 0.3%	0.21		
53	13.1 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	89	0.1 0.8%	0.71		
53	13.1 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	0.0 0.4%	0.36		
53	13.1 PV Fenced Areas	ChE	Chadakoiln silt loam, 25 to 35 percent slopes	B	B	69	0.0 0.1%	0.07		
53	13.1 PV Fenced Areas	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	6.9 52.4%	41.40		
53	13.1 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	2.3 17.9%	15.04		
53	13.1 Woods (Fair) Decidious Forest, Evergreen Forest	ChE	Chadakoiln silt loam, 25 to 35 percent slopes	B	B	60	0.3 2.6%	1.56		
53	13.1 Woods (Fair) Decidious Forest, Evergreen Forest	CKC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	73	3.3 24.9%	18.18	CN	78
53	13.1 Woods (Fair) Decidious Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	0.0 0.1%	0.08	13.1 acres	
54	88.0 Barren	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	92	1.3 1.5%	1.38		
54	88.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoiln silt loam, 25 to 35 percent slopes	B	B	56	2.4 2.7%	1.51		
54	88.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	Ad	Alden mucky silt loam	C/D	C	70	0.3 0.4%	0.28		
54	88.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	4.0 4.5%	3.47		
54	88.0 Developed Low Intensity	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	93	0.4 0.5%	0.47		
54	88.0 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	5.1 5.8%	4.87		
54	88.0 Emergent Herbaceous Wetlands	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	80	0.4 0.5%	0.40		
54	88.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ChE	Chadakoiln silt loam, 25 to 35 percent slopes	B	B	85	0.1 0.1%	0.09		
54	88.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	CKD	Chautauqua silt loam, 15 to 25 percent slopes	C/D	C	89	0.2 0.2%	0.18		
54	88.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	0.4 0.5%	0.46		
54	88.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	Ad	Alden mucky silt loam	C/D	C	79	0.0 0%	0.00		
54	88.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	19.5 22.1%	18.56		
54	88.0 PV Fenced Areas	ChE	Chadakoiln silt loam, 25 to 35 percent slopes	B	B	69	1.4 1.6%	1.10		



54	88.0 PV Fenced Areas	CkC	Chautauqua silt loam, 8 to 15 percent slopes	C/D	C	79	2.6 3%	2.37			
54	88.0 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	1.9 2.2%	1.85			
54	88.0 Small Grain (Good), Oats	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	87	0.2 0.3%	0.26			
54	88.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	89	1.0 1.2%	1.07			
54	88.0 Wetlands, Woody Wetlands	Ad	Alden mucky silt loam	C/D	D	85	0.7 0.7%	0.60	CN	78	88.0 acres
54	88.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	60	7.3 8.3%	4.98			
54	88.0 Woods (Fair) Deciduous Forest, Evergreen Forest	Ad	Alden mucky silt loam	C/D	C	73	9.2 10.5%	7.67			
54	88.0 Woods (Fair) Deciduous Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	29.3 33.4%	26.39			
55	21.6 Barren	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	92	0.2 1%	0.92			
55	21.6 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	56	0.1 0.3%	0.17			
55	21.6 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	0.2 1%	0.77			
55	21.6 Developed Open Space	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	1.1 4.9%	4.12			
55	21.6 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkD	Chautauqua silt loam, 15 to 25 percent slopes	C/D	C	79	0.0 0.2%	0.16			
55	21.6 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	4.4 20.2%	16.97			
55	21.6 PV Fenced Areas	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	69	0.1 0.7%	0.48			
55	21.6 PV Fenced Areas	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	11.8 54.7%	45.95			
55	21.6 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	89	0.4 1.6%	1.42	CN	82	21.6 acres
55	21.6 Woods (Fair) Deciduous Forest, Evergreen Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	60	0.9 4.1%	2.46			
55	21.6 Woods (Fair) Deciduous Forest, Evergreen Forest	CkD	Chautauqua silt loam, 15 to 25 percent slopes	C/D	C	73	0.0 0%	0.00			
55	21.6 Woods (Fair) Deciduous Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	2.5 11.4%	9.01			
56	7.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	77	0.2 2.4%	1.85	CN	82	7.5 acres
56	7.5 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	1.0 13.4%	11.26			
56	7.5 PV Fenced Areas	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	3.8 51.3%	43.09			
56	7.5 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	2.5 32.9%	25.99			
57	23.1 Barren	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	92	0.2 1%	0.92			
57	23.1 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	56	0.0 0.1%	0.06			
57	23.1 Brush-brush, weed, grass mix (Fair)Mixed Forest	CkD	Chautauqua silt loam, 15 to 25 percent slopes	C/D	C	70	0.4 1.7%	1.19			
57	23.1 Brush-brush, weed, grass mix (Fair)Mixed Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	77	0.2 0.8%	0.62			
57	23.1 Developed Open Space	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	0.5 2%	1.68			
57	23.1 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	91	0.3 1.2%	1.09			
57	23.1 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	CkD	Chautauqua silt loam, 15 to 25 percent slopes	C/D	C	79	0.4 1.9%	1.50			
57	23.1 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	4.2 18.2%	15.29			
57	23.1 PV Fenced Areas	CkD	Chautauqua silt loam, 15 to 25 percent slopes	C/D	C	79	0.0 0%	0.00			
57	23.1 PV Fenced Areas	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	5.3 22.9%	19.24			
57	23.1 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	89	0.5 2.1%	1.87			
57	23.1 Woods (Fair) Deciduous Forest, Evergreen Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	60	0.6 2.6%	1.56			
57	23.1 Woods (Fair) Deciduous Forest, Evergreen Forest	CkD	Chautauqua silt loam, 15 to 25 percent slopes	C/D	C	73	7.2 31.3%	22.85	CN	79	23.1 acres
57	23.1 Woods (Fair) Deciduous Forest, Evergreen Forest	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	79	3.3 14.3%	11.30			
58	59.0 Barren	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	81	0.0 0%	0.00			
58	59.0 Barren	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	92	0.4 0.7%	0.64			
58	59.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	56	0.0 0%	0.00			
58	59.0 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	1.2 2%	1.54			
58	59.0 Developed High Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	94	0.2 0.4%	0.38			
58	59.0 Developed Low Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	93	0.4 0.8%	0.74			
58	59.0 Developed Medium Intensity	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	94	0.4 0.8%	0.75			
58	59.0 Developed Open Space	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	68	0.3 0.5%	0.34			
58	59.0 Developed Open Space	As	Ashville silt loam	C/D	C	78	0.0 0%	0.00			
58	59.0 Developed Open Space	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	3.0 5.1%	4.28			
58	59.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	As	Ashville silt loam	C/D	C	89	0.0 0%	0.00			
58	59.0 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	1.4 2.3%	2.09			
58	59.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	1.3 2.3%	1.82			
58	59.0 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	8.7 14.7%	12.35			
58	59.0 PV Fenced Areas	As	Ashville silt loam	C/D	C	79	1.4 2.4%	1.90			
58	59.0 PV Fenced Areas	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	23.6 40%	33.60			
58	59.0 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	1.1 1.9%	1.69			
58	59.0 Wetlands, Woody Wetlands	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	85	0.2 0.4%	0.34			
58	59.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ChE	Chadakoin silt loam, 25 to 35 percent slopes	B	B	60	4.4 7.5%	4.50	CN	81	59.0 acres
58	59.0 Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	1.0 1.7%	1.24			
58	59.0 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	9.8 16.7%	13.19			
59	66.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	1.5 2.2%	1.54			
59	66.5 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	2.7 4.1%	3.16			
59	66.5 Emergent Herbaceous Wetlands	As	Ashville silt loam	C/D	D	80	0.6 0.9%	0.72			
59	66.5 Inverter Pads/Gravel Access Roads/O&M Bldg/Substation/Switchyard	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	91	0.5 0.7%	0.64			
59	66.5 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	As	Ashville silt loam	C/D	C	79	1.3 2%	1.58			
59	66.5 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	84	17.0 25.5%	21.42			
59	66.5 PV Fenced Areas	As	Ashville silt loam	C/D	C	79	0.2 0.3%	0.24			
59	66.5 PV Fenced Areas	LnB	Langford silt loam, 3 to 8 percent slopes	D	D	84	10.0 15.1%	12.68			
59	66.5 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	89	0.8 1.2%	1.07			
59	66.5 Water	Ad	Alden mucky silt loam	C/D	C	98	0.1 0.1%	0.10	CN	81	66.5 acres
59	66.5 Wetlands, Woody Wetlands	As	Ashville silt loam	C/D	D	85	6.3 9.5%	8.08			
59	66.5 Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	10.8 16.3%	11.90			
59	66.5 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	14.7 22.1%	17.46			



60	30.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	A	35	0.1 0.29%	0.10		
60	30.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	As	Ashville silt loam	C/D	C	70	2.2 7.29%	5.10		
60	30.7 Brush-brush, weed, grass mix (Fair)Mixed Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	77	4.3 13.92%	10.72		
60	30.7 Emergent Herbaceous Wetlands	Ad	Alden mucky silt loam	C/D	D	80	1.4 4.48%	3.58		
60	30.7 Pasture, Grassland or Range (Fair), Other Hay/Non Alfalfa	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	0.1 0.32%	0.27		
60	30.7 PV Fenced Areas	LnC	Langford silt loam, 8 to 15 percent slopes	D	D	84	2.0 6.59%	5.53		
60	30.7 Straight Row Crop (Good) Alfalfa, Corn, Soybeans	Ad	Alden mucky silt loam	C/D	C	85	0.2 0.72%	0.61		
60	30.7 Water	Fe	Fluvaquents-Udifuvents complex, frequently flooded	A/D	A	98	0.0 0.05%	0.05		
60	30.7 Water	Ad	Alden mucky silt loam	C/D	C	98	0.7 2.19%	2.15		
60	30.7 Water	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	98	0.3 1.06%	1.04		
60	30.7 Wetlands, Woody Wetlands	As	Ashville silt loam	C/D	D	85	6.2 20.06%	17.05		
60	30.7 Woods (Fair) Deciduous Forest, Evergreen Forest	As	Ashville silt loam	C/D	C	73	4.7 15.39%	11.23		
60	30.7 Woods (Fair) Deciduous Forest, Evergreen Forest	ErB	Erie silt loam, 3 to 8 percent slopes	D	D	79	8.5 27.65%	21.84	CN	79
									30.7 acres	
									acre total	sum totals
									3341.04	3341.04



**DA 1**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	34.2
SHALLOW CONC. FLOW	
Flow length, ft	1980
Watercourse slope, %	2.27
Surface Description	woods
Velocity, ft/s	0.76
Sh. Conc. Flow time, min	43.5
TIME OF CONC., mins	77.7

START Z    END Z  
1532        1530

START Z    END Z  
1530        1485

**DA 2**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	29.1
SHALLOW CONC. FLOW	
Flow length, ft	2300
Watercourse slope, %	2.17
Surface Description	woods/pasture
Velocity, ft/s	0.88
Sh. Conc. Flow time, min	43.4
TIME OF CONC., mins	72.4

START Z    END Z  
1533        1530

START Z    END Z  
1530        1480

**DA 3**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	34.2
SHALLOW CONC. FLOW	
Flow length, ft	1866
Watercourse slope, %	2.68
Surface Description	woods/row crops
Velocity, ft/s	1.13
Sh. Conc. Flow time, min	27.5
TIME OF CONC., mins	61.7

START Z    END Z  
1527        1525

START Z    END Z  
1525        1475



**DA 4**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	1985
Watercourse slope, %	3.78
Surface Description	woods/row crops
Velocity, ft/s	1.34
Sh. Conc. Flow time, min	24.7
TIME OF CONC., mins	44.0

START Z    END Z  
1533        1530

START Z    END Z  
1530        1455

**DA 5**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	1050
Watercourse slope, %	3.33
Surface Description	row crops
Velocity, ft/s	1.60
Sh. Conc. Flow time, min	10.9
TIME OF CONC., mins	30.3

START Z    END Z  
1463        1460

START Z    END Z  
1460        1425

**DA 6**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	2490
Watercourse slope, %	3.21
Surface Description	woods/row crops
Velocity, ft/s	1.24
Sh. Conc. Flow time, min	33.6
TIME OF CONC., mins	52.9

START Z    END Z  
1533        1530

START Z    END Z  
1530        1450



**DA 7**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW			
Manning's n	0.4		
Flow length, ft	150	START Z	END Z
2-Yr 24-Hr rainfall, in	3.34	1572	1570
Land slope, %	1.33		
Sheet flow time, min	34.2		
SHALLOW CONC. FLOW			
Flow length, ft	475	START Z	END Z
Watercourse slope, %	4.21	1570	1550
Surface Description	woods		
Velocity, ft/s	1.03		
Sh. Conc. Flow time, min	7.7		
TIME OF CONC., mins	41.9		

**DA 8**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW			
Manning's n	0.4		
Flow length, ft	150	START Z	END Z
2-Yr 24-Hr rainfall, in	3.34	1572	1570
Land slope, %	1.33		
Sheet flow time, min	34.2		
SHALLOW CONC. FLOW			
Flow length, ft	1385	START Z	END Z
Watercourse slope, %	3.25	1570	1525
Surface Description	woods		
Velocity, ft/s	0.91		
Sh. Conc. Flow time, min	25.4		
TIME OF CONC., mins	59.6		

**DA 9**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW			
Manning's n	0.24		
Flow length, ft	150	START Z	END Z
2-Yr 24-Hr rainfall, in	3.34	1573	1570
Land slope, %	2.00		
Sheet flow time, min	19.3		
SHALLOW CONC. FLOW			
Flow length, ft	2205	START Z	END Z
Watercourse slope, %	2.95	1570	1505
Surface Description	woods/row crops		
Velocity, ft/s	1.18		
Sh. Conc. Flow time, min	31.0		
TIME OF CONC., mins	50.4		



**DA 10**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW			
Manning's n	0.24		
Flow length, ft	150	START Z	END Z
2-Yr 24-Hr rainfall, in	3.34	1510	1505
Land slope, %	3.33		
Sheet flow time, min	15.7		
SHALLOW CONC. FLOW			
Flow length, ft	845	START Z	END Z
Watercourse slope, %	4.73	1505	1465
Surface Description	row crops		
Velocity, ft/s	1.91		
Sh. Conc. Flow time, min	7.4		
TIME OF CONC., mins	23.1		

**DA 11**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW			
Manning's n	0.4		
Flow length, ft	150	START Z	END Z
2-Yr 24-Hr rainfall, in	3.34	1572	1555
Land slope, %	11.33		
Sheet flow time, min	14.5		
SHALLOW CONC. FLOW			
Flow length, ft	1270	START Z	END Z
Watercourse slope, %	5.51	1555	1485
Surface Description	woods		
Velocity, ft/s	1.18		
Sh. Conc. Flow time, min	17.9		
TIME OF CONC., mins	32.4		

**DA 12**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW			
Manning's n	0.4		
Flow length, ft	150	START Z	END Z
2-Yr 24-Hr rainfall, in	3.34	1572	1567
Land slope, %	3.33		
Sheet flow time, min	23.7		
SHALLOW CONC. FLOW			
Flow length, ft	520	START Z	END Z
Watercourse slope, %	7.12	1567	1530
Surface Description	woods		
Velocity, ft/s	1.34		
Sh. Conc. Flow time, min	6.5		
TIME OF CONC., mins	30.2		



**DA 13**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	475
Watercourse slope, %	4.21
Surface Description	woods/row crops
Velocity, ft/s	1.42
Sh. Conc. Flow time, min	5.6
TIME OF CONC., mins	28.3

START Z    END Z  
1457        1455

START Z    END Z  
1455        1435

**DA 14**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	1510
Watercourse slope, %	2.65
Surface Description	woods
Velocity, ft/s	0.82
Sh. Conc. Flow time, min	30.7
TIME OF CONC., mins	53.5

START Z    END Z  
1487        1485

START Z    END Z  
1485        1445

**DA 15**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	34.2
SHALLOW CONC. FLOW	
Flow length, ft	1430
Watercourse slope, %	2.45
Surface Description	woods
Velocity, ft/s	0.79
Sh. Conc. Flow time, min	30.3
TIME OF CONC., mins	64.5

START Z    END Z  
1487        1485

START Z    END Z  
1485        1450



**DA 16**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	0.67
Sheet flow time, min	30.0
SHALLOW CONC. FLOW	
Flow length, ft	1625
Watercourse slope, %	1.60
Surface Description	row crops
Velocity, ft/s	1.11
Sh. Conc. Flow time, min	24.4
TIME OF CONC., mins	54.4

START Z    END Z  
1457        1456

START Z    END Z  
1456        1430

**DA 17**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	1290
Watercourse slope, %	2.33
Surface Description	woods/row crops
Velocity, ft/s	1.05
Sh. Conc. Flow time, min	20.4
TIME OF CONC., mins	43.2

START Z    END Z  
1487        1485

START Z    END Z  
1485        1455

**DA 18**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	34.2
SHALLOW CONC. FLOW	
Flow length, ft	1505
Watercourse slope, %	3.99
Surface Description	woods
Velocity, ft/s	1.00
Sh. Conc. Flow time, min	25.0
TIME OF CONC., mins	59.2

START Z    END Z  
1512        1510

START Z    END Z  
1510        1450



**DA 19**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	34.2
SHALLOW CONC. FLOW	
Flow length, ft	500
Watercourse slope, %	7.00
Surface Description	woods
Velocity, ft/s	1.33
Sh. Conc. Flow time, min	6.3
TIME OF CONC., mins	40.5

START Z    END Z  
1477        1475

START Z    END Z  
1475        1440

**DA 20**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	2090
Watercourse slope, %	2.39
Surface Description	woods/pasture
Velocity, ft/s	0.93
Sh. Conc. Flow time, min	37.6
TIME OF CONC., mins	60.3

START Z    END Z  
1447        1445

START Z    END Z  
1445        1395

**DA 21**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	2350
Watercourse slope, %	5.32
Surface Description	woods/pasture
Velocity, ft/s	1.38
Sh. Conc. Flow time, min	28.3
TIME OF CONC., mins	44.1

START Z    END Z  
1485        1480

START Z    END Z  
1480        1355



**DA 22**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	4.67
Sheet flow time, min	20.7
SHALLOW CONC. FLOW	
Flow length, ft	1170
Watercourse slope, %	7.69
Surface Description	woods
Velocity, ft/s	1.40
Sh. Conc. Flow time, min	14.0
TIME OF CONC., mins	34.7

START Z    END Z  
1342        1335

START Z    END Z  
1335        1245

**DA 23**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	525
Watercourse slope, %	9.52
Surface Description	woods
Velocity, ft/s	1.55
Sh. Conc. Flow time, min	5.6
TIME OF CONC., mins	21.4

START Z    END Z  
1445        1440

START Z    END Z  
1440        1390

**DA 24**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	1570
Watercourse slope, %	6.05
Surface Description	woods/row crops
Velocity, ft/s	1.70
Sh. Conc. Flow time, min	15.4
TIME OF CONC., mins	31.2

START Z    END Z  
1585        1580

START Z    END Z  
1580        1485



**DA 25**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	2110
Watercourse slope, %	1.90
Surface Description	row crops
Velocity, ft/s	1.21
Sh. Conc. Flow time, min	29.2
TIME OF CONC., mins	51.9

START Z    END Z  
1497        1495

START Z    END Z  
1495        1455

**DA 26**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	1900
Watercourse slope, %	4.21
Surface Description	woods/row crops
Velocity, ft/s	1.42
Sh. Conc. Flow time, min	22.4
TIME OF CONC., mins	45.1

START Z    END Z  
1577        1575

START Z    END Z  
1575        1495

**DA 27**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	4.67
Sheet flow time, min	13.8
SHALLOW CONC. FLOW	
Flow length, ft	1070
Watercourse slope, %	8.88
Surface Description	woods/row crops
Velocity, ft/s	2.06
Sh. Conc. Flow time, min	8.7
TIME OF CONC., mins	22.4

START Z    END Z  
1547        1540

START Z    END Z  
1540        1445



**DA 28**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	4.67
Sheet flow time, min	13.8
SHALLOW CONC. FLOW	
Flow length, ft	1070
Watercourse slope, %	6.54
Surface Description	row crops
Velocity, ft/s	2.24
Sh. Conc. Flow time, min	8.0
TIME OF CONC., mins	21.7

START Z    END Z  
1577        1570

START Z    END Z  
1570        1500

**DA 29**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	34.2
SHALLOW CONC. FLOW	
Flow length, ft	325
Watercourse slope, %	6.15
Surface Description	woods/row crops
Velocity, ft/s	1.71
Sh. Conc. Flow time, min	3.2
TIME OF CONC., mins	37.4

START Z    END Z  
1552        1550

START Z    END Z  
1550        1530

**DA 30**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	585
Watercourse slope, %	4.79
Surface Description	woods
Velocity, ft/s	1.10
Sh. Conc. Flow time, min	8.9
TIME OF CONC., mins	31.6

START Z    END Z  
1567        1565

START Z    END Z  
1565        1537



**DA 31**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	576
Watercourse slope, %	6.08
Surface Description	row crops
Velocity, ft/s	2.16
Sh. Conc. Flow time, min	4.4
TIME OF CONC., mins	27.2

START Z    END Z  
1592        1590

START Z    END Z  
1590        1555

**DA 32**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	34.2
SHALLOW CONC. FLOW	
Flow length, ft	1150
Watercourse slope, %	4.35
Surface Description	woods/row crops
Velocity, ft/s	1.44
Sh. Conc. Flow time, min	13.3
TIME OF CONC., mins	47.5

START Z    END Z  
1602        1600

START Z    END Z  
1600        1550

**DA 33**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	6.67
Sheet flow time, min	11.9
SHALLOW CONC. FLOW	
Flow length, ft	830
Watercourse slope, %	7.23
Surface Description	woods
Velocity, ft/s	1.35
Sh. Conc. Flow time, min	10.2
TIME OF CONC., mins	22.2

START Z    END Z  
1620        1610

START Z    END Z  
1610        1550



**DA 34**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	620
Watercourse slope, %	8.87
Surface Description	row crops
Velocity, ft/s	2.61
Sh. Conc. Flow time, min	4.0
TIME OF CONC., mins	19.7

START Z    END Z  
1625        1620

START Z    END Z  
1620        1565

**DA 35**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	6.67
Sheet flow time, min	11.9
SHALLOW CONC. FLOW	
Flow length, ft	3230
Watercourse slope, %	5.57
Surface Description	woods/pasture
Velocity, ft/s	1.42
Sh. Conc. Flow time, min	38.0
TIME OF CONC., mins	50.0

START Z    END Z  
1625        1615

START Z    END Z  
1615        1435

**DA 36**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	3230
Watercourse slope, %	3.99
Surface Description	row crops
Velocity, ft/s	1.75
Sh. Conc. Flow time, min	30.7
TIME OF CONC., mins	53.5

START Z    END Z  
1626        1624

START Z    END Z  
1624        1495



**DA 37**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	4.67
Sheet flow time, min	13.8
SHALLOW CONC. FLOW	
Flow length, ft	575
Watercourse slope, %	5.22
Surface Description	row crops
Velocity, ft/s	2.00
Sh. Conc. Flow time, min	4.8
TIME OF CONC., mins	18.6

START Z    END Z  
1547        1540

START Z    END Z  
1540        1510

**DA 38**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	1053
Watercourse slope, %	6.65
Surface Description	row crops
Velocity, ft/s	2.26
Sh. Conc. Flow time, min	7.8
TIME OF CONC., mins	23.5

START Z    END Z  
1520        1515

START Z    END Z  
1515        1445

**DA 39**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	0.67
Sheet flow time, min	30.0
SHALLOW CONC. FLOW	
Flow length, ft	970
Watercourse slope, %	7.32
Surface Description	woods/row crops
Velocity, ft/s	1.87
Sh. Conc. Flow time, min	8.7
TIME OF CONC., mins	38.6

START Z    END Z  
1512        1511

START Z    END Z  
1511        1440



**DA 40**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	8.00
Sheet flow time, min	11.1
SHALLOW CONC. FLOW	
Flow length, ft	335
Watercourse slope, %	2.99
Surface Description	row crops
Velocity, ft/s	1.51
Sh. Conc. Flow time, min	3.7
TIME OF CONC., mins	14.8

START Z    END Z  
1512        1500

START Z    END Z  
1500        1490

**DA 41**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	0.67
Sheet flow time, min	30.0
SHALLOW CONC. FLOW	
Flow length, ft	250
Watercourse slope, %	3.60
Surface Description	row crops
Velocity, ft/s	1.66
Sh. Conc. Flow time, min	2.5
TIME OF CONC., mins	32.5

START Z    END Z  
1512        1511

START Z    END Z  
1511        1502

**DA 42**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	750
Watercourse slope, %	7.33
Surface Description	woods/pasture
Velocity, ft/s	1.62
Sh. Conc. Flow time, min	7.7
TIME OF CONC., mins	23.4

START Z    END Z  
1500        1495

START Z    END Z  
1495        1440



**DA 43**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	1210
Watercourse slope, %	8.68
Surface Description	woods
Velocity, ft/s	1.48
Sh. Conc. Flow time, min	13.6
TIME OF CONC., mins	29.4

START Z    END Z  
1495        1490

START Z    END Z  
1490        1385

**DA 44**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	4.00
Sheet flow time, min	14.6
SHALLOW CONC. FLOW	
Flow length, ft	595
Watercourse slope, %	5.88
Surface Description	row crops
Velocity, ft/s	2.13
Sh. Conc. Flow time, min	4.7
TIME OF CONC., mins	19.3

START Z    END Z  
1536        1530

START Z    END Z  
1530        1495

**DA 45**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	4.67
Sheet flow time, min	13.8
SHALLOW CONC. FLOW	
Flow length, ft	1865
Watercourse slope, %	3.22
Surface Description	woods/row crops
Velocity, ft/s	1.24
Sh. Conc. Flow time, min	25.1
TIME OF CONC., mins	38.9

START Z    END Z  
1537        1530

START Z    END Z  
1530        1470



**DA 46**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	1251
Watercourse slope, %	8.79
Surface Description	row crops
Velocity, ft/s	2.60
Sh. Conc. Flow time, min	8.0
TIME OF CONC., mins	23.8

START Z    END Z  
1485        1480

START Z    END Z  
1480        1370

**DA 47**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	0.67
Sheet flow time, min	30.0
SHALLOW CONC. FLOW	
Flow length, ft	2255
Watercourse slope, %	6.08
Surface Description	row crops
Velocity, ft/s	2.16
Sh. Conc. Flow time, min	17.4
TIME OF CONC., mins	47.4

START Z    END Z  
1518        1517

START Z    END Z  
1517        1380

**DA 48**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	1485
Watercourse slope, %	6.73
Surface Description	row crops
Velocity, ft/s	2.27
Sh. Conc. Flow time, min	10.9
TIME OF CONC., mins	26.6

START Z    END Z  
1495        1490

START Z    END Z  
1490        1390



**DA 49**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	14.67
Sheet flow time, min	8.7
SHALLOW CONC. FLOW	
Flow length, ft	630
Watercourse slope, %	11.90
Surface Description	row crops
Velocity, ft/s	3.02
Sh. Conc. Flow time, min	3.5
TIME OF CONC., mins	12.2

START Z    END Z  
1457        1435

START Z    END Z  
1435        1360

**DA 50**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	4.67
Sheet flow time, min	13.8
SHALLOW CONC. FLOW	
Flow length, ft	905
Watercourse slope, %	7.51
Surface Description	row crops
Velocity, ft/s	2.40
Sh. Conc. Flow time, min	6.3
TIME OF CONC., mins	20.0

START Z    END Z  
1460        1453

START Z    END Z  
1453        1385

**DA 51**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	5.33
Sheet flow time, min	13.1
SHALLOW CONC. FLOW	
Flow length, ft	2400
Watercourse slope, %	3.96
Surface Description	woods
Velocity, ft/s	1.00
Sh. Conc. Flow time, min	40.0
TIME OF CONC., mins	53.0

START Z    END Z  
1573        1565

START Z    END Z  
1565        1470



**DA 52**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	740
Watercourse slope, %	5.00
Surface Description	row crops
Velocity, ft/s	1.96
Sh. Conc. Flow time, min	6.3
TIME OF CONC., mins	25.6

START Z    END Z  
1460        1457

START Z    END Z  
1457        1420

**DA 53**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	23.7
SHALLOW CONC. FLOW	
Flow length, ft	570
Watercourse slope, %	5.26
Surface Description	woods
Velocity, ft/s	1.15
Sh. Conc. Flow time, min	8.2
TIME OF CONC., mins	31.9

START Z    END Z  
1515        1510

START Z    END Z  
1510        1480

**DA 54**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.67
Sheet flow time, min	17.2
SHALLOW CONC. FLOW	
Flow length, ft	2235
Watercourse slope, %	3.53
Surface Description	woods/pasture
Velocity, ft/s	1.13
Sh. Conc. Flow time, min	33.0
TIME OF CONC., mins	50.3

START Z    END Z  
1573        1569

START Z    END Z  
1569        1490



**DA 55**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	1255
Watercourse slope, %	7.33
Surface Description	woods/row crops
Velocity, ft/s	1.87
Sh. Conc. Flow time, min	11.2
TIME OF CONC., mins	30.5

START Z    END Z  
1570        1567

START Z    END Z  
1567        1475

**DA 56**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	425
Watercourse slope, %	6.35
Surface Description	row crops
Velocity, ft/s	2.21
Sh. Conc. Flow time, min	3.2
TIME OF CONC., mins	22.5

START Z    END Z  
1600        1597

START Z    END Z  
1597        1570

**DA 57**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	29.1
SHALLOW CONC. FLOW	
Flow length, ft	1195
Watercourse slope, %	6.28
Surface Description	woods/row crops
Velocity, ft/s	1.73
Sh. Conc. Flow time, min	11.5
TIME OF CONC., mins	40.6

START Z    END Z  
1593        1590

START Z    END Z  
1590        1515

**DA 58**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	876
Watercourse slope, %	6.28
Surface Description	woods/pasture
Velocity, ft/s	1.50
Sh. Conc. Flow time, min	9.7
TIME OF CONC., mins	29.0

START Z    END Z  
1598        1595

START Z    END Z  
1595        1540

**DA 59**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	1470
Watercourse slope, %	3.40
Surface Description	woods/pasture
Velocity, ft/s	1.11
Sh. Conc. Flow time, min	22.2
TIME OF CONC., mins	41.5

START Z    END Z  
1598        1595

START Z    END Z  
1595        1545

**DA 60**  
**EXISTING CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	23.7
SHALLOW CONC. FLOW	
Flow length, ft	650
Watercourse slope, %	3.85
Surface Description	woods
Velocity, ft/s	0.99
Sh. Conc. Flow time, min	11.0
TIME OF CONC., mins	34.7

START Z    END Z  
1575        1570

START Z    END Z  
1570        1545



**DA 1**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	34.2
SHALLOW CONC. FLOW	
Flow length, ft	1980
Watercourse slope, %	2.27
Surface Description	woods/pasture
Velocity, ft/s	0.90
Sh. Conc. Flow time, min	36.5
TIME OF CONC., mins	70.7

unpaved  
paved

START Z END Z  
1532 1530

START Z END Z  
1530 1485

**DA 2**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	29.1
SHALLOW CONC. FLOW	
Flow length, ft	2300
Watercourse slope, %	2.17
Surface Description	woods/row crops
Velocity, ft/s	1.02
Sh. Conc. Flow time, min	37.7
TIME OF CONC., mins	66.8

START Z END Z  
1533 1530

START Z END Z  
1530 1480

**DA 3**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	34.2
SHALLOW CONC. FLOW	
Flow length, ft	1866
Watercourse slope, %	2.68
Surface Description	woods/pasture
Velocity, ft/s	0.98
Sh. Conc. Flow time, min	31.7
TIME OF CONC., mins	65.9

START Z END Z  
1527 1525

START Z END Z  
1525 1475

**DA 4**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	1985
Watercourse slope, %	3.78
Surface Description	woods/pasture
Velocity, ft/s	1.17
Sh. Conc. Flow time, min	28.4
TIME OF CONC., mins	47.7

START Z    END Z  
1533        1530

START Z    END Z  
1530        1455

**DA 5**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	1050
Watercourse slope, %	3.33
Surface Description	row crops
Velocity, ft/s	1.60
Sh. Conc. Flow time, min	10.9
TIME OF CONC., mins	30.3

START Z    END Z  
1463        1460

START Z    END Z  
1460        1425

**DA 6**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	2490
Watercourse slope, %	3.21
Surface Description	woods/pasture
Velocity, ft/s	1.07
Sh. Conc. Flow time, min	38.6
TIME OF CONC., mins	57.9

START Z    END Z  
1533        1530

START Z    END Z  
1530        1450



**DA 7**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	475
Watercourse slope, %	4.21
Surface Description	woods/pasture
Velocity, ft/s	1.23
Sh. Conc. Flow time, min	6.4
TIME OF CONC., mins	29.2

START Z    END Z  
1572        1570

START Z    END Z  
1570        1550

**DA 8**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	1385
Watercourse slope, %	3.25
Surface Description	woods/pasture
Velocity, ft/s	1.08
Sh. Conc. Flow time, min	21.4
TIME OF CONC., mins	44.1

START Z    END Z  
1572        1570

START Z    END Z  
1570        1525

**DA 9**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	2205
Watercourse slope, %	2.95
Surface Description	woods/pasture
Velocity, ft/s	1.03
Sh. Conc. Flow time, min	35.7
TIME OF CONC., mins	55.0

START Z    END Z  
1573        1570

START Z    END Z  
1570        1505

**DA 10**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	845
Watercourse slope, %	4.73
Surface Description	pasture
Velocity, ft/s	1.51
Sh. Conc. Flow time, min	9.3
TIME OF CONC., mins	25.0

START Z    END Z  
1510        1505

START Z    END Z  
1505        1465

**DA 11**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	11.33
Sheet flow time, min	9.7
SHALLOW CONC. FLOW	
Flow length, ft	1270
Watercourse slope, %	5.51
Surface Description	woods/pasture
Velocity, ft/s	1.41
Sh. Conc. Flow time, min	15.0
TIME OF CONC., mins	24.7

START Z    END Z  
1572        1555

START Z    END Z  
1555        1485

unpaved  
paved

**DA 12**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	520
Watercourse slope, %	7.12
Surface Description	pasture
Velocity, ft/s	1.86
Sh. Conc. Flow time, min	4.7
TIME OF CONC., mins	20.4

START Z    END Z  
1572        1567

START Z    END Z  
1567        1530



**DA 13**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	475
Watercourse slope, %	4.21
Surface Description	pasture
Velocity, ft/s	1.43
Sh. Conc. Flow time, min	5.5
TIME OF CONC., mins	28.3

START Z    END Z  
1457        1455

START Z    END Z  
1455        1435

**DA 14**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	1510
Watercourse slope, %	2.65
Surface Description	pasture
Velocity, ft/s	1.13
Sh. Conc. Flow time, min	22.2
TIME OF CONC., mins	44.9

START Z    END Z  
1487        1485

START Z    END Z  
1485        1445

**DA 15**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	34.2
SHALLOW CONC. FLOW	
Flow length, ft	1430
Watercourse slope, %	2.45
Surface Description	woods/pasture
Velocity, ft/s	0.94
Sh. Conc. Flow time, min	25.4
TIME OF CONC., mins	59.6

START Z    END Z  
1487        1485

START Z    END Z  
1485        1450

**DA 16**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	0.67
Sheet flow time, min	30.0
SHALLOW CONC. FLOW	
Flow length, ft	1625
Watercourse slope, %	1.60
Surface Description	pasture/row crops
Velocity, ft/s	0.99
Sh. Conc. Flow time, min	27.2
TIME OF CONC., mins	57.2

START Z    END Z  
1457        1456

START Z    END Z  
1456        1430

**DA 17**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	1290
Watercourse slope, %	2.33
Surface Description	woods/pasture
Velocity, ft/s	0.91
Sh. Conc. Flow time, min	23.5
TIME OF CONC., mins	46.2

START Z    END Z  
1487        1485

START Z    END Z  
1485        1455

**DA 18**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	34.2
SHALLOW CONC. FLOW	
Flow length, ft	1505
Watercourse slope, %	3.99
Surface Description	woods/pasture
Velocity, ft/s	1.20
Sh. Conc. Flow time, min	20.9
TIME OF CONC., mins	55.1

START Z    END Z  
1512        1510

START Z    END Z  
1510        1450



**DA 19**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	500
Watercourse slope, %	7.00
Surface Description	woods/pasture
Velocity, ft/s	1.59
Sh. Conc. Flow time, min	5.3
TIME OF CONC., mins	28.0

START Z    END Z  
1477        1475

START Z    END Z  
1475        1440

**DA 20**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	2090
Watercourse slope, %	2.39
Surface Description	pasture/row crops
Velocity, ft/s	1.22
Sh. Conc. Flow time, min	28.6
TIME OF CONC., mins	51.4

START Z    END Z  
1447        1445

START Z    END Z  
1445        1395

**DA 21**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	2350
Watercourse slope, %	5.32
Surface Description	pasture/row crops
Velocity, ft/s	1.81
Sh. Conc. Flow time, min	21.6
TIME OF CONC., mins	37.3

START Z    END Z  
1485        1480

START Z    END Z  
1480        1355

unpaved  
paved

**DA 22**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	4.67
Sheet flow time, min	13.8
SHALLOW CONC. FLOW	
Flow length, ft	1170
Watercourse slope, %	7.69
Surface Description	woods/pasture
Velocity, ft/s	1.66
Sh. Conc. Flow time, min	11.7
TIME OF CONC., mins	25.5

START Z    END Z  
1342        1335

START Z    END Z  
1335        1245

**DA 23**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	525
Watercourse slope, %	9.52
Surface Description	woods/pasture
Velocity, ft/s	1.85
Sh. Conc. Flow time, min	4.7
TIME OF CONC., mins	20.5

START Z    END Z  
1445        1440

START Z    END Z  
1440        1390

**DA 24**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	1570
Watercourse slope, %	6.05
Surface Description	woods/pasture
Velocity, ft/s	1.48
Sh. Conc. Flow time, min	17.7
TIME OF CONC., mins	33.5

START Z    END Z  
1585        1580

START Z    END Z  
1580        1485



**DA 25**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	2110
Watercourse slope, %	1.90
Surface Description	woods/pasture
Velocity, ft/s	0.83
Sh. Conc. Flow time, min	42.6
TIME OF CONC., mins	65.3

START Z    END Z  
1497        1495

START Z    END Z  
1495        1455

**DA 26**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	1900
Watercourse slope, %	4.21
Surface Description	pasture/row crops
Velocity, ft/s	1.61
Sh. Conc. Flow time, min	19.6
TIME OF CONC., mins	42.4

START Z    END Z  
1577        1575

START Z    END Z  
1575        1495

**DA 27**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	4.67
Sheet flow time, min	13.8
SHALLOW CONC. FLOW	
Flow length, ft	1070
Watercourse slope, %	8.88
Surface Description	pasture
Velocity, ft/s	2.07
Sh. Conc. Flow time, min	8.6
TIME OF CONC., mins	22.4

START Z    END Z  
1547        1540

START Z    END Z  
1540        1445

**DA 28**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	4.67
Sheet flow time, min	13.8
SHALLOW CONC. FLOW	
Flow length, ft	1070
Watercourse slope, %	6.54
Surface Description	pasture/row crops
Velocity, ft/s	2.01
Sh. Conc. Flow time, min	8.9
TIME OF CONC., mins	22.6

START Z    END Z  
1577        1570

START Z    END Z  
1570        1500

**DA 29**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	325
Watercourse slope, %	6.15
Surface Description	pasture/row crops
Velocity, ft/s	1.95
Sh. Conc. Flow time, min	2.8
TIME OF CONC., mins	25.5

START Z    END Z  
1552        1550

START Z    END Z  
1550        1530

**DA 30**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	585
Watercourse slope, %	4.79
Surface Description	woods/pasture
Velocity, ft/s	1.31
Sh. Conc. Flow time, min	7.4
TIME OF CONC., mins	30.2

START Z    END Z  
1567        1565

START Z    END Z  
1565        1537



**DA 31**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	576
Watercourse slope, %	6.08
Surface Description	pasture
Velocity, ft/s	1.72
Sh. Conc. Flow time, min	5.6
TIME OF CONC., mins	28.3

unpaved  
paved

START Z END Z  
1592 1590

START Z END Z  
1590 1555

**DA 32**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	34.2
SHALLOW CONC. FLOW	
Flow length, ft	1150
Watercourse slope, %	4.35
Surface Description	pasture
Velocity, ft/s	1.45
Sh. Conc. Flow time, min	13.2
TIME OF CONC., mins	47.4

START Z END Z  
1602 1600

START Z END Z  
1600 1550

**DA 33**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	6.67
Sheet flow time, min	11.9
SHALLOW CONC. FLOW	
Flow length, ft	830
Watercourse slope, %	7.23
Surface Description	woods/pasture
Velocity, ft/s	1.61
Sh. Conc. Flow time, min	8.6
TIME OF CONC., mins	20.5

START Z END Z  
1620 1610

START Z END Z  
1610 1550

**DA 34**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	620
Watercourse slope, %	8.87
Surface Description	pasture/row crops
Velocity, ft/s	2.34
Sh. Conc. Flow time, min	4.4
TIME OF CONC., mins	20.2

START Z    END Z  
1625        1620

START Z    END Z  
1620        1565

**DA 35**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	6.67
Sheet flow time, min	11.9
SHALLOW CONC. FLOW	
Flow length, ft	3230
Watercourse slope, %	5.57
Surface Description	woods/pasture
Velocity, ft/s	1.42
Sh. Conc. Flow time, min	38.0
TIME OF CONC., mins	50.0

START Z    END Z  
1625        1615

START Z    END Z  
1615        1435

**DA 36**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	1.33
Sheet flow time, min	22.7
SHALLOW CONC. FLOW	
Flow length, ft	3230
Watercourse slope, %	3.99
Surface Description	woods/pasture
Velocity, ft/s	1.20
Sh. Conc. Flow time, min	44.9
TIME OF CONC., mins	67.6

START Z    END Z  
1626        1624

START Z    END Z  
1624        1495



**DA 37**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	4.67
Sheet flow time, min	13.8
SHALLOW CONC. FLOW	
Flow length, ft	575
Watercourse slope, %	5.22
Surface Description	pasture
Velocity, ft/s	1.59
Sh. Conc. Flow time, min	6.0
TIME OF CONC., mins	19.8

START Z    END Z  
1547        1540

START Z    END Z  
1540        1510

**DA 38**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	1053
Watercourse slope, %	6.65
Surface Description	pasture
Velocity, ft/s	1.80
Sh. Conc. Flow time, min	9.8
TIME OF CONC., mins	25.5

START Z    END Z  
1520        1515

START Z    END Z  
1515        1445

**DA 39**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	0.67
Sheet flow time, min	30.0
SHALLOW CONC. FLOW	
Flow length, ft	970
Watercourse slope, %	7.32
Surface Description	woods/pasture
Velocity, ft/s	1.62
Sh. Conc. Flow time, min	10.0
TIME OF CONC., mins	39.9

START Z    END Z  
1512        1511

START Z    END Z  
1511        1440

**DA 40**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	8.00
Sheet flow time, min	11.1
SHALLOW CONC. FLOW	
Flow length, ft	335
Watercourse slope, %	2.99
Surface Description	pasture
Velocity, ft/s	1.20
Sh. Conc. Flow time, min	4.6
TIME OF CONC., mins	15.7

START Z    END Z  
1512        1500

START Z    END Z  
1500        1490

**DA 41**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	0.67
Sheet flow time, min	30.0
SHALLOW CONC. FLOW	
Flow length, ft	250
Watercourse slope, %	3.60
Surface Description	pasture
Velocity, ft/s	1.32
Sh. Conc. Flow time, min	3.2
TIME OF CONC., mins	33.1

START Z    END Z  
1512        1511

START Z    END Z  
1511        1502

unpaved  
paved

**DA 42**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -T<sub>c</sub> CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	750
Watercourse slope, %	7.33
Surface Description	woods/pasture
Velocity, ft/s	1.62
Sh. Conc. Flow time, min	7.7
TIME OF CONC., mins	23.4

START Z    END Z  
1500        1495

START Z    END Z  
1495        1440



**DA 43**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	1210
Watercourse slope, %	8.68
Surface Description	pasture
Velocity, ft/s	2.05
Sh. Conc. Flow time, min	9.8
TIME OF CONC., mins	25.6

START Z    END Z  
1495        1490

START Z    END Z  
1490        1385

**DA 44**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	4.00
Sheet flow time, min	14.6
SHALLOW CONC. FLOW	
Flow length, ft	595
Watercourse slope, %	5.88
Surface Description	pasture
Velocity, ft/s	1.69
Sh. Conc. Flow time, min	5.9
TIME OF CONC., mins	20.5

START Z    END Z  
1536        1530

START Z    END Z  
1530        1495

**DA 45**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	4.67
Sheet flow time, min	13.8
SHALLOW CONC. FLOW	
Flow length, ft	1865
Watercourse slope, %	3.22
Surface Description	pasture
Velocity, ft/s	1.25
Sh. Conc. Flow time, min	24.9
TIME OF CONC., mins	38.7

START Z    END Z  
1537        1530

START Z    END Z  
1530        1470

**DA 46**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	1251
Watercourse slope, %	8.79
Surface Description	pasture
Velocity, ft/s	2.06
Sh. Conc. Flow time, min	10.1
TIME OF CONC., mins	25.8

START Z    END Z  
1485        1480

START Z    END Z  
1480        1370

**DA 47**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	0.67
Sheet flow time, min	30.0
SHALLOW CONC. FLOW	
Flow length, ft	2255
Watercourse slope, %	6.08
Surface Description	pasture
Velocity, ft/s	1.72
Sh. Conc. Flow time, min	21.9
TIME OF CONC., mins	51.9

START Z    END Z  
1518        1517

START Z    END Z  
1517        1380

**DA 48**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	1485
Watercourse slope, %	6.73
Surface Description	pasture
Velocity, ft/s	1.81
Sh. Conc. Flow time, min	13.7
TIME OF CONC., mins	29.4

START Z    END Z  
1495        1490

START Z    END Z  
1490        1390



**DA 49**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	14.67
Sheet flow time, min	8.7
SHALLOW CONC. FLOW	
Flow length, ft	630
Watercourse slope, %	11.90
Surface Description	pasture
Velocity, ft/s	2.40
Sh. Conc. Flow time, min	4.4
TIME OF CONC., mins	13.1

START Z    END Z  
1457        1435

START Z    END Z  
1435        1360

**DA 50**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	4.67
Sheet flow time, min	13.8
SHALLOW CONC. FLOW	
Flow length, ft	905
Watercourse slope, %	7.51
Surface Description	pasture
Velocity, ft/s	1.91
Sh. Conc. Flow time, min	7.9
TIME OF CONC., mins	21.7

START Z    END Z  
1460        1453

START Z    END Z  
1453        1385

**DA 51**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	5.33
Sheet flow time, min	13.1
SHALLOW CONC. FLOW	
Flow length, ft	2400
Watercourse slope, %	3.96
Surface Description	woods/pasture
Velocity, ft/s	1.19
Sh. Conc. Flow time, min	33.5
TIME OF CONC., mins	46.6

START Z    END Z  
1573        1565

START Z    END Z  
1565        1470

unpaved  
paved

**DA 52**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	740
Watercourse slope, %	5.00
Surface Description	pasture
Velocity, ft/s	1.56
Sh. Conc. Flow time, min	7.9
TIME OF CONC., mins	27.2

START Z    END Z  
1460        1457

START Z    END Z  
1457        1420

**DA 53**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	15.7
SHALLOW CONC. FLOW	
Flow length, ft	570
Watercourse slope, %	5.26
Surface Description	woods/pasture
Velocity, ft/s	1.38
Sh. Conc. Flow time, min	6.9
TIME OF CONC., mins	22.7

START Z    END Z  
1515        1510

START Z    END Z  
1510        1480

**DA 54**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.67
Sheet flow time, min	17.2
SHALLOW CONC. FLOW	
Flow length, ft	2235
Watercourse slope, %	3.53
Surface Description	pasture/row crops
Velocity, ft/s	1.48
Sh. Conc. Flow time, min	25.2
TIME OF CONC., mins	42.4

START Z    END Z  
1573        1569

START Z    END Z  
1569        1490



**DA 55**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	1255
Watercourse slope, %	7.33
Surface Description	pasture
Velocity, ft/s	1.88
Sh. Conc. Flow time, min	11.1
TIME OF CONC., mins	30.4

START Z    END Z  
1570        1567

START Z    END Z  
1567        1475

**DA 56**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	425
Watercourse slope, %	6.35
Surface Description	pasture
Velocity, ft/s	1.75
Sh. Conc. Flow time, min	4.0
TIME OF CONC., mins	23.4

START Z    END Z  
1600        1597

START Z    END Z  
1597        1570

**DA 57**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	29.1
SHALLOW CONC. FLOW	
Flow length, ft	1195
Watercourse slope, %	6.28
Surface Description	woods/pasture
Velocity, ft/s	1.50
Sh. Conc. Flow time, min	13.3
TIME OF CONC., mins	42.3

START Z    END Z  
1593        1590

START Z    END Z  
1590        1515

**DA 58**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	876
Watercourse slope, %	6.28
Surface Description	woods/pasture
Velocity, ft/s	1.50
Sh. Conc. Flow time, min	9.7
TIME OF CONC., mins	29.0

START Z    END Z  
1598        1595

START Z    END Z  
1595        1540

**DA 59**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.24
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	2.00
Sheet flow time, min	19.3
SHALLOW CONC. FLOW	
Flow length, ft	1470
Watercourse slope, %	3.40
Surface Description	woods/pasture
Velocity, ft/s	1.11
Sh. Conc. Flow time, min	22.2
TIME OF CONC., mins	41.5

START Z    END Z  
1598        1595

START Z    END Z  
1595        1545

**DA 60**  
**PROPOSED CONDITIONS**  
**SITE EXISTING BYPASS -Tc CALCULATIONS**

SHEET FLOW	
Manning's n	0.4
Flow length, ft	150
2-Yr 24-Hr rainfall, in	3.34
Land slope, %	3.33
Sheet flow time, min	23.7
SHALLOW CONC. FLOW	
Flow length, ft	650
Watercourse slope, %	3.85
Surface Description	woods/pasture
Velocity, ft/s	1.18
Sh. Conc. Flow time, min	9.2
TIME OF CONC., mins	32.9

START Z    END Z  
1575        1570

START Z    END Z  
1570        1545



Basin Number	Pre-Develop. CN	Post-Develop. CN	Time of Concentration (Pre)	Time of Concentration (Post)	1 Year Peak Flow (Pre-Develop.) (cfs)	1 Year Peak Flow (Post-Develop.) (cfs)	2 Year Peak Flow (Pre-Develop.) (cfs)	2 Year Peak Flow (Post-Develop.) (cfs)	10 Year Peak Flow (Pre-Develop.) (cfs)	10 Year Peak Flow (Post-Develop.) (cfs)	100 Year Peak Flow (Pre-Develop.) (cfs)	100 Year Peak Flow (Post-Develop.) (cfs)
1	81	82	77.7	70.7	10.69	12.46	15.67	17.98	32.43	36.25	61.42	67.47
2	80	82	72.4	66.8	10.19	12.7	15.2	18.32	32.14	37.04	61.78	69.05
3	80	81	61.7	65.9	15.86	16.35	23.59	23.94	49.77	49.41	95.59	93.53
8	76	79	50.4	44.1	10.69	15.54	17.16	23.49	40.38	50.8	82.82	98.97
1, 2, 3, 8					45.49	53.42	68.59	78.31	147.76	161.85	287.93	306.80
4	76	77	44.0	47.7	32.68	33.98	52.49	53.35	122.97	121.84	251.75	245.52
5	82	82	30.3	30.3	9.47	9.47	13.6	13.6	27.21	27.21	50.4	50.4
6	77	78	52.9	57.9	31.97	32.82	50.27	50.58	114.69	112.16	231.25	222.5
7	73	76	41.9	29.2	2.1	3.76	3.63	6.02	9.4	13.98	20.34	28.46
9	80	79	59.6	55.0	26.94	26.28	40.1	39.75	84.62	86.09	162.28	167.97
10	82	81	23.1	25.0	19.34	17.06	27.69	24.8	55.15	50.54	101.77	94.73
9, 10					32.41	33.10	47.91	49.75	100.29	106.84	191.55	207.49
11	74	76	32.4	24.7	12.41	18.53	20.9	29.53	51.87	68.27	109.86	138.58
12	73	77	30.2	20.4	3.27	6.54	5.66	10.16	14.54	22.7	31.31	45.13
13	79	81	28.3	28.3	9.6	11.14	14.43	16.21	30.91	33.13	59.94	62.3
14	79	83	53.5	44.9	10.25	16.01	15.55	22.74	33.63	44.76	65.57	82.1
13, 14					16.40	24.90	24.93	35.75	54.21	71.73	106.09	133.03
15	79	80	64.5	59.6	14.4	16.67	21.84	24.8	47.3	52.35	92.32	100.39
16	83	83	54.4	57.2	27.77	26.76	39.47	38.03	77.83	74.97	142.85	137.68
17	80	81	43.2	46.2	26.84	27.67	39.87	40.49	83.93	83.31	160.81	157.28
18	79	80	59.2	55.1	79.11	90.56	119.52	134.74	258.59	284.96	504.73	547.17
19	78	81	40.5	28.0	3.51	5.84	5.41	8.5	11.96	17.39	23.69	32.65
20	80	81	60.3	51.4	134.95	164.61	200.89	240.95	424.1	497.37	814.25	939.9
17 - 20					238.41	284.37	356.94	418.40	760.26	869.44	1,469.73	1,651.56
21	73	75	44.1	37.3	36.09	50.73	62.35	83.27	161.16	200.63	349.91	417.54
22	73	75	34.7	25.5	8.62	13.4	14.9	21.88	38.49	52.2	83.09	107.89
23	68	70	21.4	20.5	14.2	19.9	29.65	38.08	94.14	108.58	223.98	246.22
21 - 23					51.94	75.56	92.05	128.34	248.90	323.69	555.28	694.04
24	80	80	31.2	33.5	100.69	95.88	149.37	142.13	312.95	298.14	597.48	569.8
25	82	82	51.9	65.3	69.51	58.6	100.22	84.58	202.19	170.63	376.4	317.92
26	82	83	45.1	42.4	93.46	105.44	134.62	149.72	270.78	294.55	503.88	539.4
25 - 26					161.67	151.25	232.96	216.39	468.78	430.63	872.05	795.33
27	81	82	22.4	22.4	25.62	27.6	37.2	39.49	75.64	78.56	141.53	144.87
28	84	84	21.7	22.6	18.14	17.7	25.27	24.67	48.21	47.11	86.38	84.45
29	78	79	37.4	25.5	18.33	26.09	28.19	39.19	62.27	83.72	123.01	161.85
30	81	83	31.6	30.2	30.62	36.7	44.65	51.96	91.59	101.76	172.28	185.71
31	83	83	27.2	28.3	7.69	7.47	10.87	10.58	21.27	20.72	38.76	37.79
32	80	83	47.5	47.4	19.62	24.77	29.16	35.18	61.36	69.27	117.64	126.94
33	77	78	22.2	20.5	30.09	34.69	46.99	52.83	105.32	115.01	209.74	225
32 - 33					40.86	47.53	63.20	71.28	140.65	152.92	279.18	296.07
34	80	80	19.7	20.2	37.42	36.88	55.04	54.26	114.1	112.54	216.77	213.4
35	80	80	50.0	50.0	25.18	25.18	37.53	37.53	79.14	79.14	151.81	151.81
38	82	82	23.5	25.5	16.87	16.04	24.21	22.98	48.24	45.84	89.04	84.7
35, 38					32.65	33.59	48.36	49.70	101.24	104.02	193.32	198.44
36	82	83	53.5	67.6	27.3	24.66	39.37	35.08	79.31	69.39	147.6	127.5
37	83	84	18.6	19.8	11.88	12.24	16.74	17.03	32.49	32.51	58.92	58.2
39	72	73	38.6	39.9	5.87	6.46	10.45	11.17	28.03	28.87	61.83	62.57
40	84	85	14.8	15.7	3.31	3.43	4.6	4.7	8.71	8.75	15.54	15.41
41	84	84	32.5	33.1	1.18	1.17	1.65	1.63	3.18	3.14	5.73	5.66
39 - 41					7.73	8.38	13.12	13.93	33.32	34.29	71.58	72.28
42	70	72	23.4	23.4	10.99	14.35	20.98	25.45	60.24	67.17	137.59	147.1
43	65	68	29.4	25.6	1.31	2.54	3.26	5.31	12.6	16.97	32.94	40.61
44	84	84	19.3	20.5	6.87	6.65	9.59	9.25	18.26	17.63	32.67	31.57
45	79	79	38.9	38.7	39.17	39.28	59.14	59.42	127.38	128.03	247.73	248.98
42 - 45					52.35	56.63	83.52	89.68	197.33	208.54	408.81	426.22
46	71	72	23.8	25.8	18.66	19.35	30.88	31.48	71.6	71.25	158.62	155
47	75	77	47.4	51.9	9.78	10.65	15.08	15.91	32.09	32.53	67.01	65.93
48	78	80	26.6	29.4	24.03	25.59	35.19	36.54	69.75	69.92	138.17	134.86
49	71	75	12.2	13.1	6.38	8.49	10.35	12.83	23.41	26.55	50.85	54.23
50	70	74	20.0	21.7	4.19	5.67	7.06	8.81	16.74	18.9	37.51	39.64
51	76	77	53.0	46.6	42.18	49.9	64.04	74.52	133.51	151.92	274.64	307.51
46 - 51					78.94	98.42	122.61	148.36	264.49	306.62	458.71	519.63
52	65	69	25.6	27.2	0.95	1.49	1.89	2.6	5.45	6.44	13.64	14.82
53	74	78	31.9	22.7	7.15	12.1	11.18	17.68	24.24	34.95	51.22	69.06
52, 53					8.07	13.40	13.01	20.08	29.45	41.04	64.19	83.25
54	77	78	50.3	42.4	43.59	53.06	65.09	78.07	132.8	155.89	269.11	310.66
55	82	82	30.5	30.4	21.2	21.22	29.59	29.62	54.71	54.77	102.73	102.85
57	79	79	40.6	42.3	15.38	14.91	22.31	21.63	43.66	42.35	85.7	83.19
54, 55, 57					73.19	85.61	107.49	124.57	214.08	244.60	426.00	481.45
56	81	82	22.5	23.4	8.43	8.73	11.87	12.15	22.22	22.39	42.11	41.92
58	81	81	29.0	29.0	56.31	56.31	79.47	79.47	149.4	149.4	284.83	284.83
56, 58					63.97	64.43	90.49	90.82	170.15	170.78	323.69	324.38
59	80	81	41.5	41.5	46.58	49.62	66.72	70.21	128.21	132.54	248.2	253.06
60	79	79	34.7	32.9	22.83	23.71	33.08	34.33	64.63	67.02	126.67	131.48
59, 60					68.52	71.84	98.52	102.40	190.39	195.48	370.19	376.60
Total:					1,283.67	1,440.30	1,928.89	2,136.09	4,111.99	4,462.26	7,993.63	8,549.00