

Report: Index Surface Runoff Classes  
USDA-NRCS Soil Survey Database

Erie County, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
AaA	ALLIS SILT LOAM, 0 TO 3 PERCENT SLOPES	ALLIS	poorly	Very high
AaA3	ALLIS SILT LOAM, 0 TO 3 PERCENT SLOPES, SEVERELY ERODED	ALLIS	poorly	Very high
AaB	ALLIS SILT LOAM, 3 TO 8 PERCENT SLOPES	ALLIS	poorly	Very high
AaB3	ALLIS SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	ALLIS	poorly	Very high
AaC	ALLIS SILT LOAM, 8 TO 15 PERCENT SLOPES	ALLIS	poorly	Very high
AaC3	ALLIS SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	ALLIS	poorly	Very high
AaD	ALLIS SILT LOAM, 15 TO 25 PERCENT SLOPES	ALLIS	poorly	Very high
AaD	ALLIS SILT LOAM, 15 TO 25 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
AaD3	ALLIS SILT LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	ALLIS	poorly	Very high
AaD3	ALLIS SILT LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	VOLUSIA	somewhat poorly	Very high
AaE	ALLIS SILT LOAM, 25 TO 45 PERCENT SLOPES	ALLIS	poorly	Very high
AaE	ALLIS SILT LOAM, 25 TO 45 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
Ba	BEACH AND RIVERWASH	BEACH	moderately well	Negligible
Ba	BEACH AND RIVERWASH	RIVERWASH		Very high
Bb	BEACH SAND, STABLIZED	BEACH SAND		Negligible
BcA	BERRIEN FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	BERRIEN	moderately well	Very low
BcB	BERRIEN FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES	BERRIEN	moderately well	Low
BcB3	BERRIEN FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES SEVERELY ERODED	BERRIEN	moderately well	Low
BcC	BERRIEN FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	BERRIEN	moderately well	Low
BcC3	BERRIEN FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	BERRIEN	moderately well	Low
BcD	BERRIEN FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	BERRIEN	moderately well	Medium
BcD3	BERRIEN FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	BERRIEN	moderately well	Medium
BdA	BIRDSALL SILT LOAM, 0 TO 2 PERCENT SLOPES	BIRDSALL	very poorly	Very high

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BdB	BIRDSALL SILT LOAM, 2 TO 4 PERCENT SLOPES	BIRDSALL	very poorly	Very high
CaA	CANADICE SILT LOAM, 0 TO 2 PERCENT SLOPES	CANADICE	poorly	Very high
CaB	CANADICE SILT LOAM, 2 TO 8 PERCENT SLOPES	CANADICE	poorly	Very high
CaB3	CANADICE SILT LOAM, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED	CANADICE	poorly	Very high
CbA	CANEADEA SILT LOAM, 0 TO 2 PERCENT SLOPES	CANEADEA	somewhat poorly	Very high
CbB	CANEADEA SILT LOAM, 2 TO 8 PERCENT SLOPES	CANEADEA	somewhat poorly	Very high
CbB3	CANEADEA SILT LOAM, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED	CANEADEA	somewhat poorly	Very high
CbC	CANEADEA SILT LOAM, 8 TO 15 PERCENT SLOPES	CANEADEA	somewhat poorly	Very high
CbC3	CANEADEA SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	CANEADEA	somewhat poorly	Very high
CbD	CANEADEA SILT LOAM, 15 TO 25 PERCENT SLOPES	CANEADEA	somewhat poorly	Very high
CbD3	CANEADEA SILT LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	CANEADEA	somewhat poorly	Very high
CcA	CHAGRIN FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	CHAGRIN	well	Low
CcA3	CHAGRIN FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES, SEVERELY ERODED	CHAGRIN	well	Low
CdA	CHAGRIN SILT LOAM, 0 TO 3 PERCENT SLOPES	CHAGRIN	well	Low
CeA	CHAGRIN SILT LOAM, HIGH BOTTOM, 0 TO 3 PERCENT SLOPES	CHAGRIN	well	Low
CeB	CHAGRIN SILT LOAM, HIGH BOTTOM, 3 TO 6 PERCENT SLOPES	CHAGRIN	well	Low
Cf	CHAGRIN VERY GRAVELLY LOAM, FAN, 0 TO 6 PERCENT SLOPES	CHAGRIN	well	Very low
CgB	CONOTTON COARSE SANDY LOAM, 0 TO 8 PERCENT SLOPES	CONOTTON	well	Very low
CgB3	CONOTTON COARSE SANDY LOAM, 0 TO 8 PERCENT SLOPES, SEVERELY ERODED	CONOTTON	well	Very low
CgC	CONOTTON COARSE SANDY LOAM, 8 TO 15 PERCENT SLOPES	CONOTTON	well	Low

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CgC3	CONOTTON COARSE SANDY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	CONOTTON	well	Low
CgD	CONOTTON COARSE SANDY LOAM, 15 TO 25 PERCENT SLOPES	CONOTTON	well	Medium
CgD3	CONOTTON COARSE SANDY LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	CONOTTON	well	Medium
ChA	CONOTTON GRAVELLY LOAM, 0 TO 3 PERCENT SLOPES	CONOTTON	well	Very low
ChB	CONOTTON GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	CONOTTON	well	Low
ChB3	CONOTTON GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	CONOTTON	well	Low
ChC	CONOTTON GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	CONOTTON	well	Low
ChC3	CONOTTON GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES SEVERELY ERODED	CONOTTON	well	Low
CkB	CONOTTON GRAVELLY SANDY LOAM, 3 TO 8 PERCENT SLOPES	CONOTTON	well	Low
CkB3	CONOTTON GRAVELLY SANDY LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	CONOTTON	well	Low
CkC	CONOTTON GRAVELLY SANDY LOAM, 8 TO 15 PERCENT SLOPES	CONOTTON	well	Low
CkC3	CONOTTON GRAVELLY SANDY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	CONOTTON	well	Low
CkD	CONOTTON GRAVELLY SANDY LOAM, 15 TO 25 PERCENT SLOPES	CONOTTON	well	Medium
CkD3	CONOTTON GRAVELLY SANDY LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	CONOTTON	well	Medium
CmA	CONOTTON GRAVELLY SANDY LOAM, MODERATELY WELL DRAINED VARIANT, 0 TO 3 PERCENT SLOPES	CONOTTON VARIANT	moderately well	Very low
CmB	CONOTTON GRAVELLY SANDY LOAM, MODERATELY WELL DRAINED VARIANT, 3 TO 8 PERCENT SLOPES	CONOTTON VARIANT	moderately well	Low
CmB3	CONOTTON GRAVELLY SANDY LOAM, MODERATELY WELL DRAINED VARIANT, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	CONOTTON VARIANT	moderately well	Low
DaA	DALTON SILT LOAM, 0 TO 2 PERCENT SLOPES	DALTON	somewhat poorly	Very high
DaB	DALTON SILT LOAM, 2 TO 8 PERCENT SLOPES	DALTON	somewhat poorly	Very high

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DaB2	DALTON SILT LOAM, 2 TO 8 PERCENT SLOPES, MODERATELY ERODED	DALTON	somewhat poorly	Very high
Ds	DUNE SAND	DUNE SAND		Low
EaB	ELLERY AND ALDEN SILT LOAMS, 0 TO 4 PERCENT SLOPES	ELLERY	poorly	High
EaB	ELLERY AND ALDEN SILT LOAMS, 0 TO 4 PERCENT SLOPES	ALDEN	very poorly	High
EbA	ERIE SILT LOAM, 0 TO 3 PERCENT SLOPES	ERIE	somewhat poorly	Very high
EbB	ERIE SILT LOAM, 3 TO 8 PERCENT SLOPES	ERIE	somewhat poorly	Very high
EbB2	ERIE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	ERIE	somewhat poorly	Very high
EbB3	ERIE SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	ERIE	somewhat poorly	Very high
EbC	ERIE SILT LOAM, 8 TO 15 PERCENT SLOPES	ERIE	somewhat poorly	Very high
EbC2	ERIE SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	ERIE	somewhat poorly	Very high
EbC3	ERIE SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	ERIE	somewhat poorly	Very high
EbD	ERIE SILT LOAM, 15 TO 25 PERCENT SLOPES	ERIE	somewhat poorly	Very high
EbD2	ERIE SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	ERIE	somewhat poorly	Very high
EbD3	ERIE SILT LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	ERIE	somewhat poorly	Very high
Ec	ESCARPMENTS	ESCARPMENTS		---
FaA	FREDON LOAM, 0 TO 3 PERCENT SLOPES	FREDON	poorly	Very high
FaB	FREDON LOAM, 3 TO 8 PERCENT SLOPES	FREDON	poorly	Very high
Fm	FRESH WATER MARSH	FRESH WATER MARSH	very poorly	Very low
HaA	HALSEY LOAM, 0 TO 3 PERCENT SLOPES	HALSEY	very poorly	Very high
HbA	HOWARD GRAVELLY SILT LOAM, 0 TO 3 PERCENT SLOPES	HOWARD	well	Very low
HbB	HOWARD GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	HOWARD	well	Low
HbB3	HOWARD GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	HOWARD	well	Low
HbC	HOWARD GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	HOWARD	well	Low

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HbC3	HOWARD GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	HOWARD	well	Low
HbD	HOWARD GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES	HOWARD	well	Medium
HbD3	HOWARD GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES SEVERELY ERODED	HOWARD	well	Medium
HbE	HOWARD GRAVELLY SILT LOAM, 25 TO 40 PERCENT SLOPES	HOWARD	well	Medium
HbE3	HOWARD GRAVELLY SILT LOAM, 25 TO 40 PERCENT SLOPES, SEVERELY ERODED	HOWARD	well	Medium
LaB	LANGFORD SILT LOAM, 0 TO 8 PERCENT SLOPES	LANGFORD	moderately well	Medium
LaB2	LANGFORD SILT LOAM, 0 TO 8 PERCENT SLOPES, MODERATELY ERODED	LANGFORD	moderately well	Medium
LaB3	LANGFORD SILT LOAM, 0 TO 8 PERCENT SLOPES, SEVERELY ERODED	LANGFORD	moderately well	Medium
LaC	LANGFORD SILT LOAM, 8 TO 15 PERCENT SLOPES	LANGFORD	moderately well	High
LaC2	LANGFORD SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	LANGFORD	moderately well	High
LaC3	LANGFORD SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	LANGFORD	moderately well	High
LaD	LANGFORD SILT LOAM, 15 TO 25 PERCENT SLOPES	LANGFORD	moderately well	High
LaD2	LANGFORD SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	LANGFORD	moderately well	High
LaD3	LANGFORD SILT LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	LANGFORD	moderately well	High
LbE	LANGFORD AND ERIE SILT LOAMS, 25 TO 50 PERCENT SLOPES	LANGFORD	moderately well	High
LbE	LANGFORD AND ERIE SILT LOAMS, 25 TO 50 PERCENT SLOPES	ERIE	somewhat poorly	Very high
LbE3	LANGFORD AND ERIE SILT LOAMS, 25 TO 50 PERCENT SLOPES, SEVERELY ERODED	LANGFORD	moderately well	High
LbE3	LANGFORD AND ERIE SILT LOAMS, 25 TO 50 PERCENT SLOPES, SEVERELY ERODED	ERIE	somewhat poorly	Very high
LcA	LOBDELL SILT LOAM, 0 TO 3 PERCENT SLOPES	LOBDELL	moderately well	Low
LcA3	LOBDELL SILT LOAM, 0 TO 3 PERCENT SLOPES, SEVERELY ERODED	LOBDELL	moderately well	Low

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LdA	LOBDELL SILT LOAM, HIGH BOTTOM, 0 TO 3 PERCENT SLOPES	LOBDELL	moderately well	Low
LdB	LOBDELL SILT LOAM, HIGH BOTTOM, 3 TO 6 PERCENT SLOPES	LOBDELL	moderately well	Low
Ma	MADE LAND	MADE LAND		---
MbB	MAHONING SILT LOAM, 3 TO 8 PERCENT SLOPES	MAHONING	somewhat poorly	Very high
MbB2	MAHONING SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	MAHONING	somewhat poorly	Very high
MbC	MAHONING SILT LOAM, 8 TO 15 PERCENT SLOPES	MAHONING	somewhat poorly	Very high
MbC2	MAHONING SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	MAHONING	somewhat poorly	Very high
MbC3	MAHONING SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	MAHONING	somewhat poorly	Very high
McC	MANLIUS AND LORDSTOWN SOILS, SHALLOW, 8 TO 25 PERCENT SLOPES	MANLIUS	well	Medium
McC	MANLIUS AND LORDSTOWN SOILS, SHALLOW, 8 TO 25 PERCENT SLOPES	LORDSTOWN	well	Medium
McE	MANLIUS AND LORDSTOWN SOILS, SHALLOW, 25 TO 80 PERCENT SLOPES	MANLIUS	well	High
McE	MANLIUS AND LORDSTOWN SOILS, SHALLOW, 25 TO 80 PERCENT SLOPES	LORDSTOWN	well	High
MdB	MARDIN GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	MARDIN	moderately well	High
MdB3	MARDIN GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	MARDIN	moderately well	High
MdC	MARDIN GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	MARDIN	moderately well	High
MdC3	MARDIN GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	MARDIN	moderately well	High
MdD	MARDIN GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES	MARDIN	moderately well	High
MdD3	MARDIN GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	MARDIN	moderately well	High
MeE	MARDIN AND VOLUSIA GRAVELLY SILT LOAMS, 25 TO 45 PERCENT SLOPES	MARDIN	moderately well	High
MeE	MARDIN AND VOLUSIA GRAVELLY SILT LOAMS, 25 TO 45 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high

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MeE3	MARDIN AND VOLUSIA GRAVELLY SILT LOAMS, 25 TO 45 PERCENT SLOPES, SEVERELY ERODED	MARDIN	moderately well	Very high
MeE3	MARDIN AND VOLUSIA GRAVELLY SILT LOAMS, 25 TO 45 PERCENT SLOPES, SEVERELY ERODED	VOLUSIA	somewhat poorly	Very high
MfA	MINER SILT LOAM, 0 TO 3 PERCENT SLOPES	MINER	very poorly	High
Mp	MUCK AND PEAT	MUCK AND	very poorly	Very low
OaA	OTTAWA FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	OTTAWA	well	Negligible
OaB	OTTAWA FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES	OTTAWA	well	Very low
OaB3	OTTAWA FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED	OTTAWA	well	Very low
OaC	OTTAWA FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	OTTAWA	well	Very low
OaC3	OTTAWA FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	OTTAWA	well	Very low
OaD	OTTAWA FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	OTTAWA	well	Low
OaD3	OTTAWA FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	OTTAWA	well	Low
ObA	OTTAWA LOAMY FINE SAND, 0 TO 2 PERCENT SLOPES	OTTAWA	well	Negligible
ObB	OTTAWA LOAMY FINE SAND, 2 TO 8 PERCENT SLOPES	OTTAWA	well	Very low
ObB3	OTTAWA LOAMY FINE SAND, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED	OTTAWA	well	Very low
ObC	OTTAWA LOAMY FINE SAND, 8 TO 15 PERCENT SLOPES	OTTAWA	well	Very low
ObC3	OTTAWA LOAMY FINE SAND, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	OTTAWA	well	Very low
ObD	OTTAWA LOAMY FINE SAND, 15 TO 25 PERCENT SLOPES	OTTAWA	well	Low
ObD3	OTTAWA LOAMY FINE SAND, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	OTTAWA	well	Low
PaA	PHELPS GRAVELLY SILT LOAM, 0 TO 3 PERCENT SLOPES	PHELPS	moderately well	Low
PaB	PHELPS GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	PHELPS	moderately well	Medium

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PaB3	PHELPS GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	PHELPS	moderately well	Medium
PaC	PHELPS GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	PHELPS	moderately well	Medium
PaC3	PHELPS GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	PHELPS	moderately well	Medium
PbA	PLATEA SILT LOAM, 0 TO 2 PERCENT SLOPES	PLATEA	somewhat poorly	Very high
PbB	PLATEA SILT LOAM, 2 TO 8 PERCENT SLOPES	PLATEA	somewhat poorly	Very high
PbB3	PLATEA SILT LOAM, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED	PLATEA	somewhat poorly	Very high
PbC	PLATEA SILT LOAM, 8 TO 12 PERCENT SLOPES	PLATEA	somewhat poorly	Very high
PbC3	PLATEA SILT LOAM, 8 TO 12 PERCENT SLOPES, SEVERELY ERODED	PLATEA	somewhat poorly	Very high
PbD	PLATEA SILT LOAM, 15 TO 25 PERCENT SLOPES	PLATEA	somewhat poorly	Very high
PbD3	PLATEA SILT LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	PLATEA	somewhat poorly	Very high
PcA	PLATEA SILT LOAM, MODERATELY WELL DRAINED VARIANT 0 TO 2 PERCENT SLOPES	PLATEA VARIANT	moderately well	High
PcB	PLATEA SILT LOAM, MODERATELY WELL DRAINED VARIANT, 2 TO 8 PERCENT SLOPES	PLATEA VARIANT	moderately well	High
PcB3	PLATEA SILT LOAM, MODERATELY WELL DRAINED VARIANT, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED	PLATEA VARIANT	moderately well	High
PcC	PLATEA SILT LOAM, MODERATELY WELL DRAINED VARIANT, 8 TO 15 PERCENT SLOPES	PLATEA VARIANT	moderately well	High
PcC3	PLATEA SILT LOAM, MODERATELY WELL DRAINED VARIANT, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	PLATEA VARIANT	moderately well	High
PcD	PLATEA SILT LOAM, MODERATELY WELL DRAINED VARIANT, 15 T O 25 PERCENT SLOPES	PLATEA VARIANT	moderately well	High
PcD3	PLATEA SILT LOAM, MODERATELY WELL DRAINED VARIANT, 15 T O 25 PERCENT SLOPES, SEVERELY ERODED	PLATEA VARIANT	moderately well	High
Pits	MINES, PITS, AND UNCLASSIFIED AREAS	MINES AND PITS		---
RaA	RIMER FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	RIMER	somewhat poorly	Medium

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RaB	RIMER FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES	RIMER	somewhat poorly	Medium
RaB3	RIMER FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED	RIMER	somewhat poorly	Medium
SaA	SCIO SILT LOAM, 0 TO 3 PERCENT SLOPES	SCIO	moderately well	Low
SaB	SCIO SILT LOAM, 3 TO 8 PERCENT SLOPES	SCIO	moderately well	Medium
SaC	SCIO SILT LOAM, 8 TO 15 PERCENT SLOPES	SCIO	moderately well	Medium
SaC3	SCIO SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	SCIO	moderately well	Medium
SbA	SLOAN SILTY CLAY LOAM, 0 TO 3 PERCENT SLOPES	SLOAN,MAAT>50	very poorly	Very high
ScA	SLOAN SILTY CLAY LOAM, PERMANENTLY WET, 0 TO 3 PERCENT SLOPES	SLOAN,MAAT>50	very poorly	Very high
TaA	TRUMBULL SILT LOAM, 0 TO 3 PERCENT SLOPES	TRUMBULL	poorly	High
TaA3	TRUMBULL SILT LOAM, 0 TO 3 PERCENT SLOPES, SEVERELY ERODED	TRUMBULL	poorly	High
TaB	TRUMBULL SILT LOAM, 3 TO 8 PERCENT SLOPES	TRUMBULL	poorly	Very high
TaB2	TRUMBULL SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	TRUMBULL	poorly	Very high
TaB3	TRUMBULL SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	TRUMBULL	poorly	Very high
TaC	TRUMBULL SILT LOAM, 8 TO 15 PERCENT SLOPES	TRUMBULL	poorly	Very high
TaC2	TRUMBULL SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	TRUMBULL	poorly	Very high
TaC3	TRUMBULL SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	TRUMBULL	poorly	Very high
UaA	UNADILLA FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	UNADILLA	well	Low
UaB	UNADILLA FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	UNADILLA	well	Medium
UaB3	UNADILLA FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	UNADILLA	well	Medium
UaC	UNADILLA FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	UNADILLA	well	Medium
UaC3	UNADILLA FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	UNADILLA	well	Medium

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VaA	VOLUSIA GRAVELLY SILT LOAM, 0 TO 3 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VaB	VOLUSIA GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VaB3	VOLUSIA GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED	VOLUSIA	somewhat poorly	Very high
VaC	VOLUSIA GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VaC3	VOLUSIA GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	VOLUSIA	somewhat poorly	Very high
VaD	VOLUSIA GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VaD3	VOLUSIA GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	VOLUSIA	somewhat poorly	Very high
VbA	VOLUSIA SILT LOAM, 0 TO 3 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VbB	VOLUSIA SILT LOAM, 3 TO 8 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VbB3	VOLUSIA SILT LOAM, 0 TO 8 PERCENT SLOPES, SEVERELY ERODED	VOLUSIA	somewhat poorly	Very high
VbC	VOLUSIA SILT LOAM, 8 TO 15 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VbC3	VOLUSIA SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	VOLUSIA	somewhat poorly	Very high
VbD	VOLUSIA SILT LOAM, 15 TO 25 PERCENT SLOPES	VOLUSIA	somewhat poorly	Very high
VbD3	VOLUSIA SILT LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	VOLUSIA	somewhat poorly	Very high
w	WATER	WATER		---
WaA	WALLINGTON FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	WALLINGTON	somewhat poorly	Very high
WaB	WALLINGTON FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES	WALLINGTON	somewhat poorly	Very high
WaB3	WALLINGTON FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED	WALLINGTON	somewhat poorly	Very high
WaC	WALLINGTON FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	WALLINGTON	somewhat poorly	Very high
WaC3	WALLINGTON FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	WALLINGTON	somewhat poorly	Very high
WaD	WALLINGTON FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	WALLINGTON	somewhat poorly	Very high

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MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
WaD3	WALLINGTON FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	WALLINGTON	somewhat poorly	Very high
WbA	WALLINGTON SILT LOAM, 0 TO 2 PERCENT SLOPES	WALLINGTON	somewhat poorly	Very high
WbB	WALLINGTON SILT LOAM, 2 TO 8 PERCENT SLOPES	WALLINGTON	somewhat poorly	Very high
WbB3	WALLINGTON SILT LOAM, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED	WALLINGTON	somewhat poorly	Very high
WbC	WALLINGTON SILT LOAM, 8 TO 15 PERCENT SLOPES	WALLINGTON	somewhat poorly	Very high
WcA	WAUSEON FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	RIMER	very poorly	Very high
WdA	WAYLAND SILT LOAM, 0 TO 3 PERCENT SLOPES	WAYLAND	poorly	High
WeA	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 0 TO 2 PERCENT SLOPES	WILLIAMSON	moderately well	Medium
WeA	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 0 TO 2 PERCENT SLOPES	COLLAMER	moderately well	Low
WeB	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 2 TO 8 PERCENT SLOPES	WILLIAMSON	moderately well	High
WeB	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 2 TO 8 PERCENT SLOPES	COLLAMER	moderately well	Medium
WeB3	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED	WILLIAMSON	moderately well	High
WeB3	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED	COLLAMER	moderately well	Medium
WeC	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES	WILLIAMSON	moderately well	High
WeC	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES	COLLAMER	moderately well	Medium
WeC3	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	WILLIAMSON	moderately well	High
WeC3	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	COLLAMER	moderately well	Medium
WeD	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 15 TO 25 PERCENT SLOPES	WILLIAMSON	moderately well	High
WeD	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 15 TO 25 PERCENT SLOPES	COLLAMER	moderately well	High

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Erie County, Pennsylvania

MAP UNIT SYMBOL	MAP UNIT NAME	COMPONENT NAME	DRAINAGE	SURFACE RUNOFF
WeD3	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	WILLIAMSON	moderately well	High
WeD3	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	COLLAMER	moderately well	High
WfA	WILLIAMSON AND COLLAMER SILT LOAMS, 0 TO 2 PERCENT SLOPES	WILLIAMSON	moderately well	Medium
WfA	WILLIAMSON AND COLLAMER SILT LOAMS, 0 TO 2 PERCENT SLOPES	COLLAMER	moderately well	Low
WfB	WILLIAMSON AND COLLAMER SILT LOAMS, 2 TO 8 PERCENT SLOPES	WILLIAMSON	moderately well	High
WfB	WILLIAMSON AND COLLAMER SILT LOAMS, 2 TO 8 PERCENT SLOPES	COLLAMER	moderately well	Medium
WfC	WILLIAMSON AND COLLAMER SILT LOAMS, 8 TO 15 PERCENT SLOPES	WILLIAMSON	moderately well	High
WfC	WILLIAMSON AND COLLAMER SILT LOAMS, 8 TO 15 PERCENT SLOPES	COLLAMER	moderately well	Medium
WgB	WOOSTER GRAVELLY SILT LOAM, 3 TO 12 PERCENT SLOPES	WOOSTER	well	Medium
WgC	WOOSTER GRAVELLY SILT LOAM, 12 TO 20 PERCENT SLOPES	WOOSTER	well	Medium
WgD	WOOSTER GRAVELLY SILT LOAM, 20 TO 30 PERCENT SLOPES	WOOSTER	well	High
WgE	WOOSTER GRAVELLY SILT LOAM, 30 TO 40 PERCENT SLOPES	WOOSTER	well	High
WgE3	WOOSTER GRAVELLY SILT LOAM, 30 TO 40 PERCENT SLOPES, SEVERELY ERODED	WOOSTER	well	High

(1) A null value in Ksat makes the calculated runoff class uncertain. Null values are most commonly in bedrock layers or hardpans that should be assigned impermeable or very slow Ksat values. Calculation Based on National Soils Handbook, Part 618-50; and Soil Survey Manual, p113-114