

GRAND ISLAND OPEN SPACE INVENTORY  
Methodology for Prioritization Scoring

Prioritization Criteria	Data Layers Used	Tool	Method	Attribute Name (field type DOUBLE)	Maximum Points
<b>Size and Proximity</b>					
.3 pts per acre, max 10	OpenSpaceInventoryParcels	Field calculator	If calcacres > =30, Pts_Size = 10. Else pts_Size = calcacres * .3	ScoreAcres	10
Within .25 mile of parks and conserved land	OpenSpaceInventoryParcels, WNYLC Parcels, Town Owned Parcels, State Owned Parcels	Select by Location	Select project area parcels that are within a distance of .25 miles. For selected parcels, assign selection value of 10 to ScoreQuarterMiProx	ScoreQuarterMiProx	10
Directly adjacent to parks	OpenSpaceInventoryParcels, WNYLC Parcels, Town Owned Parcels, State Owned Parcels	Select by Location	Select parcels that touch the boundary of Western New York Land Conservancy, Town, State Parcels. For selected, assign selection value of 5 to ScoreAdjacentProx	ScoreAdjacentProx	5
Directly adjacent to parcels with undeveloped land	OpenSpaceInventoryParcels	Manual selection	Select project area parcels that directly adjacent to other project area parcels. For selected parcels, assign selection value of 5 to ScoreAdjacentOSI	ScoreAdjacentOSI	5
<b>Natural Resources</b>					
Rare and Significant Natural Areas	OpenSpaceInventoryParcels, Natural Heritage Communities	Select by Location	Select project area parcels that intersect Natural Heritage Communities. Use intersect the source layer of. For selected parcels, assign selection value of 10 to ScoreRareSigNatArea	ScoreRareSigNatArea	10
Natural Surface Cover	OpenSpaceInventoryParcels, National Land Cover Dataset	Convert Raster to Vector, Dissolve, Intersect, Add Field, Field Calculator, Join	Convert NLCD dataset to vector feature class. Select all polygons that are "developed" and delete. Dissolve remaining Natural Surface Cover polygons into one poly, called NaturalSurface_Diss. Intersect project area with NaturalSurface_Diss to create NaturalSurface_DissInt. Add an Acres field to NaturalSurface_DissInt. Calculate acreage using Field Calculator. Add field called PercentNatCover to NaturalSurface_DissInt. Use Field Calculator to divide acres by calcacres to get percentage of parcel that is natural. Join this attribute table to Project Area by SBL field. Use Field Calculator to calculate ScoreNatSurfCover to = 10 if Percent_Natural = 10, etc. Remove join with NaturalSurface_DissInt when done with calc.	ScoreNatSurfCover	10
Headwater Forests	OpenSpaceInventoryParcels, BNW Headwater Forests	Select by Location	Select project area parcels that intersect Headwater Forests. Use intersect the source layer of. For selected parcels, assign a value of 10 to Pts_Head.	ScoreHeadwater	10
Streams	OpenSpaceInventoryParcels, Streams, Hydrography Area	Dissolve, Intersect, Add Field, Field Calculator, Join, Select by Location	Dissolve Streams to one line, called Streams_dis. Intersect Streams_dis with Project Area to create Streams_dis_int. Add a Calc_Feet field to Streams_dis_int. Calculate length using Field Calculator. Join this attribute table to Project Area by SBL field. Use Field Calculator to calculate ScoreHydrog to = 5 if Calc_Feet is not null OR Pts_Stream = 10 if Calc_Feet >= 100. Remove join with int_diss_stream when done w calc. Use Select by Location to select parcels that intersect Hydrography area polygons, manually selected parcels with a score of null, use field calculator to assign a score 5.	ScoreHydrog	10
TNC Climate Resiliency	OpenSpaceInventoryParcels, TNC Climate Resiliency (Great Lakes)	Dissolve	Points based on highest resiliency level present.	ScoreTNCclimres	10
Federal Wetlands	OpenSpaceInventoryParcels, NWI Wetlands	Select by Location	Select project area parcels that intersect Federal Wetlands. Use intersect the source layer of. For selected parcels, assign a value of 7 to ScoreFedWetland	ScoreFedWetland	7
DEC Wetlands	OpenSpaceInventoryParcels, DEC Wetlands	Select by Location	Select project area parcels that intersect DEC Wetlands. Use intersect the source layer of. For selected parcels, assign a value of 5 to ScoreDECWetland	ScoreDECWetland	5
Floodplain	OpenSpaceInventoryParcels, FEMA Floodplain	Select by Location	Select project area parcels that intersect Floodplains. Use intersect the source layer of Floodplains. For selected parcels, assign a value of 5 to ScoreFloodplain	ScoreFloodplain	5
Prime/Statewide Important Farm Soils	OpenSpaceInventoryParcels, SSURGO Soils (PrimeSWISoils)	Dissolve, Intersect, Add Field, Field Calculator, Join	Select project area parcels that intersect Prime or SWI soils. Use intersect the source layer PrimeSWISoils. For selected parcels, assign a value of 3 to ScorePrimeSWI	ScorePrimeSWI	3
<b>TOTAL POINTS</b>	OpenSpaceInventoryParcels	Field calculator	Use field calculator to sum all fields above.	OSI_Sum	100
Ordinal Rank	OpenSpaceInventoryParcels	Manual entry	Sort parcels by OSI_Sum. Manually enter Ordinal Rank beginning with highest scored parcel assigning value of 1. Any parcels with the same score receive the same rank	Rank	
Label	OpenSpaceInventoryParcels	Manual entry	Sort parcels by SBL. Manually enter unique number for each parcel.	Label	