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The Halifax Green Network Plan was adopted by Halifax Regional Council on August 14, 2018. The underlying data to support the maps in the plan document have been released through open data. Please visit <https://www.halifax.ca/about-halifax/regional-community-planning/community-plans/halifax-green-network-plan> for complete information.

The zip file contains the following files:

Name	Type	Size
 HGNP_Working_Landscapes_Overlap_Ecology_Socio-Cultural	TIF File	5,047,683 KB
 HGNP_Working_Landscapes_Overlap_Ecology_Socio-Cultural.tfw	TFW File	1 KB
 HGNP_Working_Landscapes_Overlap_Ecology_Socio-Cultural	ArcGIS Layer	7 KB
 HGNP_Working_Landscape_Open_Space_Values	TIF File	5,047,683 KB
 HGNP_Working_Landscape_Open_Space_Values.tfw	TFW File	1 KB
 HGNP_Working_Landscape_Open_Space_Values	ArcGIS Layer	7 KB
 HGNP_Socio-Cultural_Landscape_Values	TIF File	5,046,450 KB
 HGNP_Socio-Cultural_Landscape_Values.tfw	TFW File	1 KB
 HGNP_Socio-Cultural_Landscape_Values	ArcGIS Layer	7 KB
 HGNP_Overlapping_Values_Ecology_Working_Socio-Cultural	TIF File	10,091,668 ...
 HGNP_Overlapping_Values_Ecology_Working_Socio-Cultural.tfw	TFW File	1 KB
 HGNP_Overlapping_Values_Ecology_Working_Socio-Cultural	ArcGIS Layer	13 KB
 HGNP_Natural_Vegetation_Patches_Large.shx	SHX File	1 KB
 HGNP_Natural_Vegetation_Patches_Large.shp	SHP File	14,789 KB
 HGNP_Natural_Vegetation_Patches_Large.sbx	SBX File	1 KB
 HGNP_Natural_Vegetation_Patches_Large.sbn	SBN File	1 KB
 HGNP_Natural_Vegetation_Patches_Large.prj	PRJ File	1 KB
 HGNP_Natural_Vegetation_Patches_Large.dbf	DBF File	2 KB
 HGNP_Natural_Vegetation_Patches_Large.cpg	CPG File	1 KB
 HGNP_Important_Corridors.shx	SHX File	8 KB
 HGNP_Important_Corridors.shp	SHP File	1,471 KB
 HGNP_Important_Corridors.sbx	SBX File	1 KB
 HGNP_Important_Corridors.sbn	SBN File	9 KB
 HGNP_Important_Corridors.prj	PRJ File	1 KB
 HGNP_Important_Corridors.dbf	DBF File	81 KB
 HGNP_Important_Corridors.cpg	CPG File	1 KB
 HGNP_Essential_Corridors.shx	SHX File	3 KB
 HGNP_Essential_Corridors.shp	SHP File	269 KB
 HGNP_Essential_Corridors.sbx	SBX File	1 KB
 HGNP_Essential_Corridors.sbn	SBN File	3 KB
 HGNP_Essential_Corridors.prj	PRJ File	1 KB
 HGNP_Essential_Corridors.dbf	DBF File	23 KB
 HGNP_Essential_Corridors.cpg	CPG File	1 KB
 HGNP_Ecological_Open_Space_Values	TIF File	10,090,435 ...
 HGNP_Ecological_Open_Space_Values.tfw	TFW File	1 KB
 HGNP_Ecological_Open_Space_Values	ArcGIS Layer	12 KB

File extensions

shp – shapefile spatial data format (vector files)

cpg, dbf, prj, sbn, sbx, shx – associated files for the shapefile

tif – TIFF raster file

tfw - Tiff World Files stores the X and Y pixel size, rotation information, and world coordinates for the TIFF image.

lyr - ArcGIS layer file defines the symbology to display the tiff files.

Spatial Reference

The spatial reference for the data is WGS 1984 Web Mercator (Auxiliary Sphere).

Please contact HRM Planning & Development if you have any questions or difficulties with this data package.

Shapefiles

HGNP Essential Corridors

The purpose of this dataset is to identify Essential Corridors as areas which provide unique or critical connections between important core areas of the green network. The loss of these corridors would severely degrade landscape connectivity.

This is a vector dataset which shows Essential Corridors that link large natural areas (HGNP_Natural_Vegetation_Patches_Large) to important corridors (HGNP_Important_Corridors) for the purpose of maintaining landscape connectivity. These areas were digitised by overlaying HGNP_Natural_Vegetation_Patches_Large, HGNP_Important_Corridors, and development data in order to identify the regions that can be used to maintain linkages between large patches and important corridors. This is a sub-dataset used in the creation of Map 5 (Green Network Concept) of the Halifax Green Network Plan. Please refer to Halifax Green Network Plan section 4.1.2 for more information.

HGNP Important Corridors

The purpose of this dataset is to identify Important Corridors for connections between natural habitats. Loss of these areas would have a negative effect on the overall landscape connectivity.

This is a vector dataset which show regions of high connectivity (how well-connected the landscape is for wildlife movement) from Circuitscape analysis (circuitscape.org). This is a sub-dataset used in the creation of Map 5 (Green Network Concept) of the Halifax Green Network Plan. Please refer to Halifax Green Network Plan section 4.1.2 for more information.

HGNP Natural Vegetation Patches Large

The purpose of this dataset is to identify very large natural patches provide essential green network functions, including the protection of biodiversity, soil and water.

This is a vector dataset. It was created by selecting large patches of natural vegetation that have area equal to or greater than 5000 ha. This is a sub-dataset used in the creation of Map 5 (Green Network Concept) of the Halifax Green Network Plan. Please refer to Halifax Green Network Plan section 4.1.2 for more information.

Raster Files

To display the raster files correctly, you must use the classification specified below which are also captured in the accompanying ArcGIS Layer files. Instructions are based on using ArcMap 10.4.1 but the data can be viewed by other GIS applications using the same specifications.

You can find more detailed instructions on how to import layer symbology files through ESRI's documentation. <https://desktop.arcgis.com/en/arcmap/10.4/manage-data/raster-and-images/importing-layer-symbology.htm>

HGNP Ecological Open Space Values



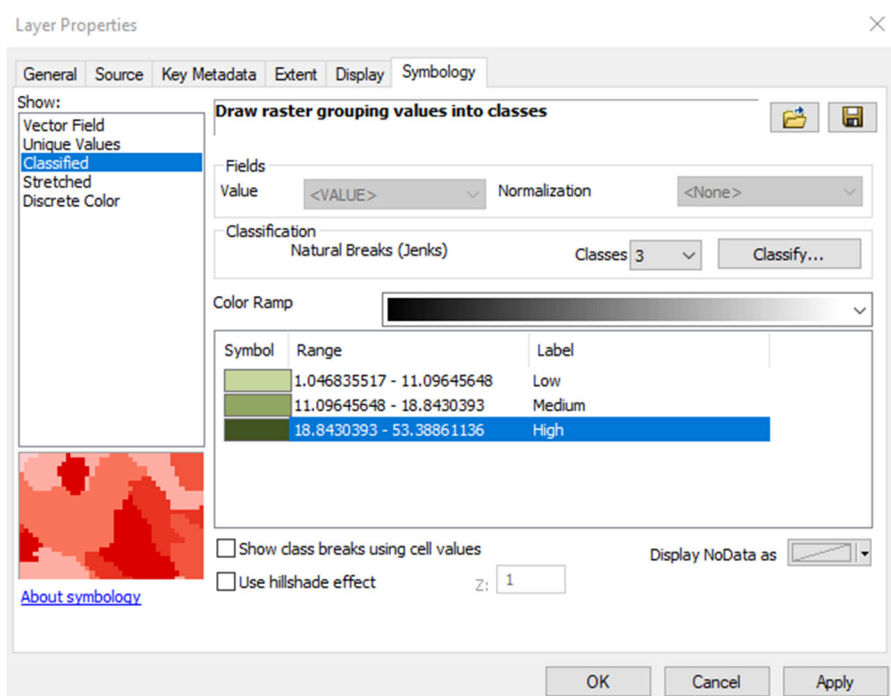
Map 1: **ECOLOGICAL OPEN SPACE VALUES**

The purpose of this dataset is to rank the entire region based on ecological importance. The higher summed values represent areas where more ecological values overlap.

This derived raster dataset was created by the union of twenty-four ecological datasets (values) such as important biodiversity, rare forests, riparian areas, wetlands, surficial geology, large patches etc. A complete list of the ecological datasets used to create the raster are listed in section 2.5.1 of the Halifax Green Network Plan. Prior to union each dataset was ranked, 1-5 (low to high) based on their perceived importance to healthy ecological functioning. The ranked values were summed across the region to give a total ranked value raster dataset.

To replicate the symbology from Map 1 using the [HGNP_Ecological_Open_Space_Values.tif](#)
Import the [HGNP_Ecological_Open_Space_Values.lyr](#) into the Layer Properties – Symbology tab

Note: Make sure to change the symbology from *Stretched* to *Classified* to achieve the correct results



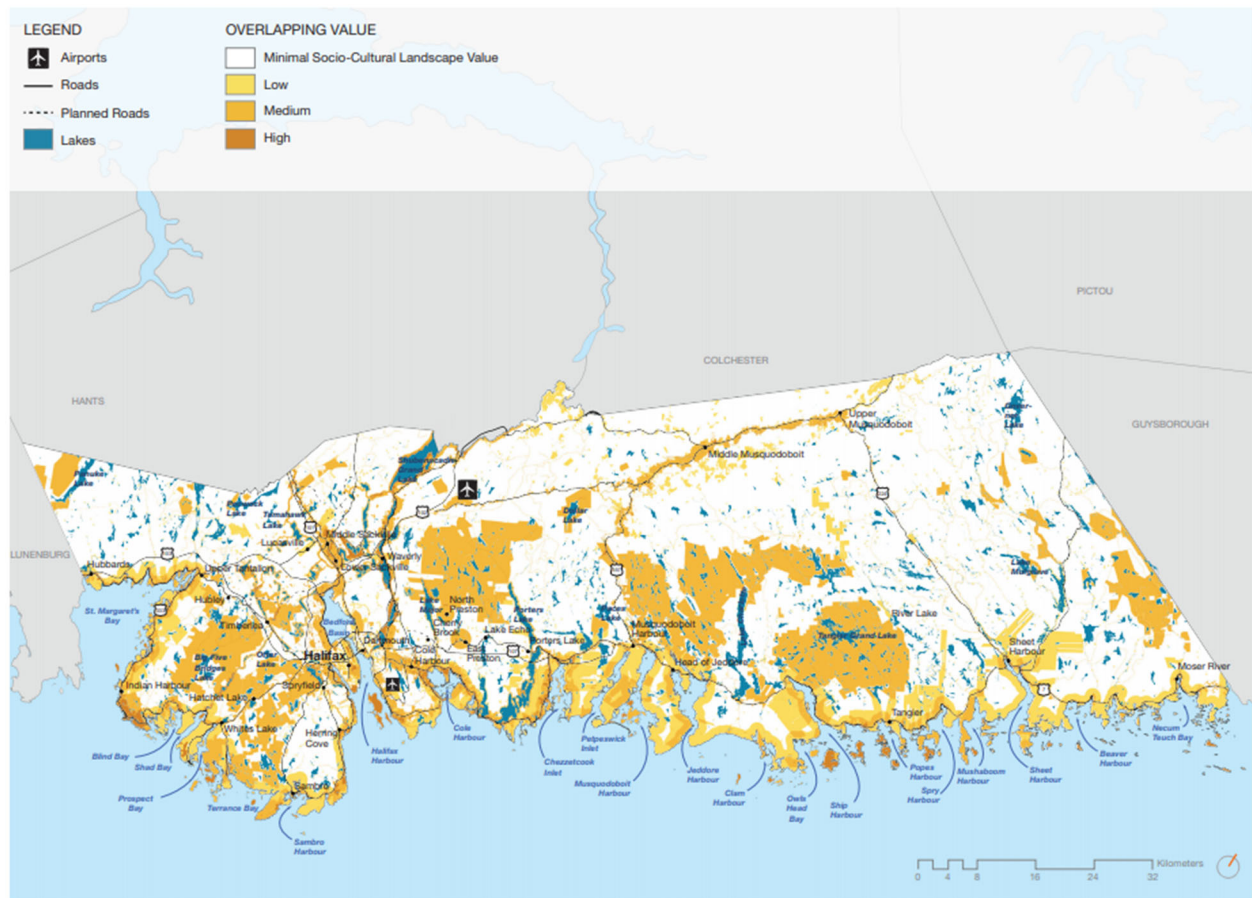
RGB colours

Low (198, 214, 156)

Medium (144, 166, 98)

High (66, 84, 34)

HGNP Socio-Cultural Landscape Values



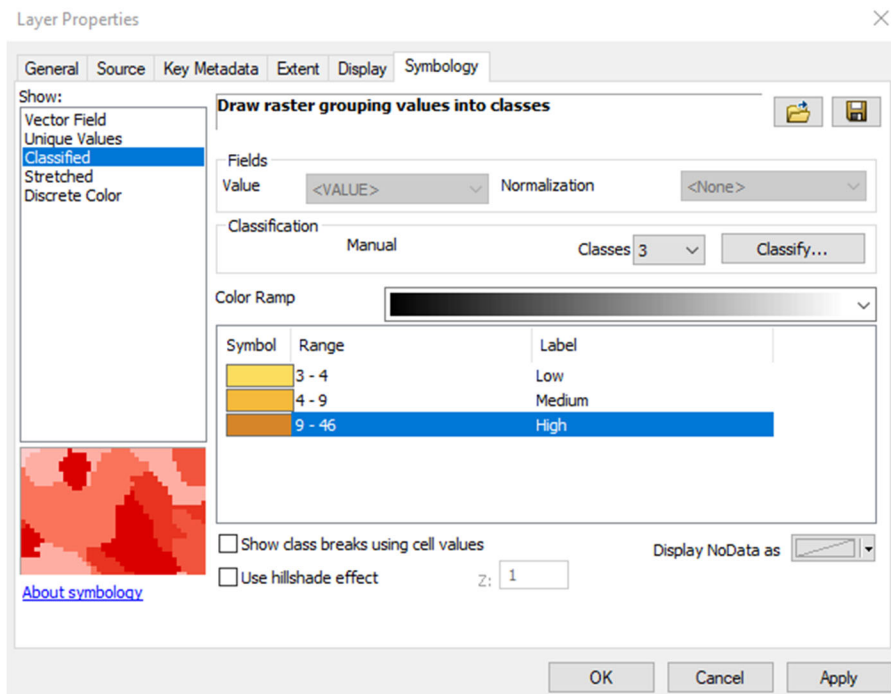
Map 3: **SOCIO-CULTURAL LANDSCAPE VALUES**

The purpose of this dataset is to rank the entire region based on socio-cultural importance. Higher total ranked values indicates more overlapping socio-cultural datasets (values) at that location.

This derived raster dataset was created by union of thirty-nine socio-cultural datasets (values) such as trails, parks, natural resources, areas of archaeological significance, wilderness areas, culturally significant areas, coastal areas, beaches, nature reserves, etc. A complete list of the socio-cultural datasets used to create this raster are listed in section 2.5.3 of the Halifax Green Network Plan. Prior to union each dataset was ranked 3- 5 (low to high) based on its importance. The ranked values were summed across the region to give a total ranked value raster dataset.

To replicate the symbology from Map 3 using the [HGNP_Socio-Cultural_Landscape_Values.tif](#) Import the [HGNP_Socio-Cultural_Landscape_Values.lyr](#) into the Layer Properties – Symbology tab

Note: Make sure to change the symbology from *Stretched* to *Classified* to achieve the correct results



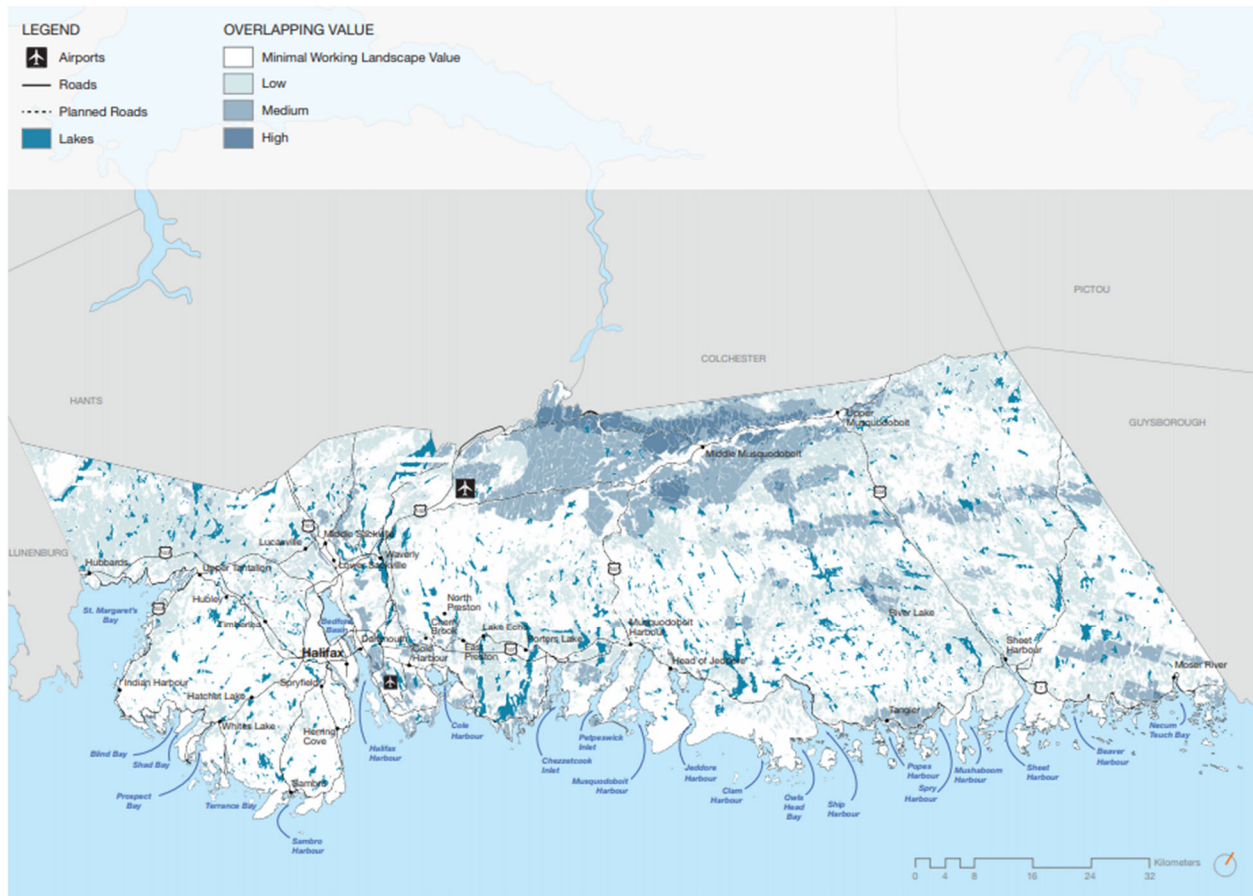
RGB colours

Low (252, 221, 93)

Medium (245, 186, 59)

High (214, 133, 41)

HGNP Working Landscape Open Space Values



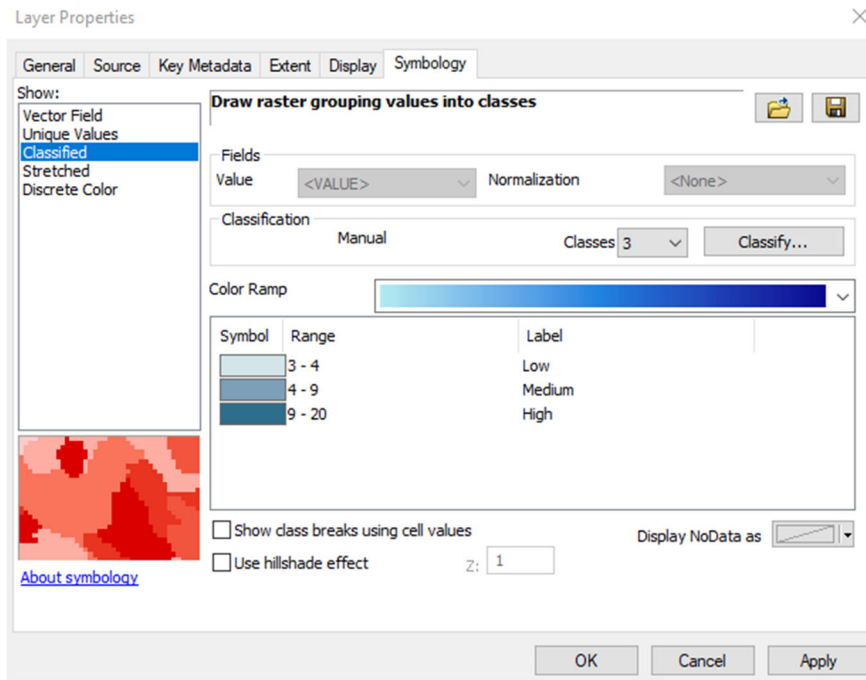
Map 2: **WORKING LANDSCAPE OPEN SPACE VALUES**

The purpose of this dataset is to rank the entire region based on working landscape importance. Higher values represent areas where more working landscape datasets overlap.

This derived raster dataset was created by union of 10 working landscape datasets (values) such as industrial harbour, agricultural areas, aggregate quarries, mineral leases, forestry areas, major transportation routes, etc. A complete list of the working landscape datasets used to create the raster are listed in section 2.5.2 of the Halifax Green Network Plan. Prior to union each dataset was ranked 3- 5 (low to high) based on its importance to working landscape functioning. The ranked values were summed across the region to give a total ranked value raster dataset.

To replicate the symbology from Map 2 using the [HGNP_Working_Landscape_Open_Space_Values.tif](#) Import the [Working_Landscape_Open_Space_Values.lyr](#) into the Layer Properties – Symbology tab

Note: Make sure to change the symbology from *Stretched* to *Classified* to achieve the correct results



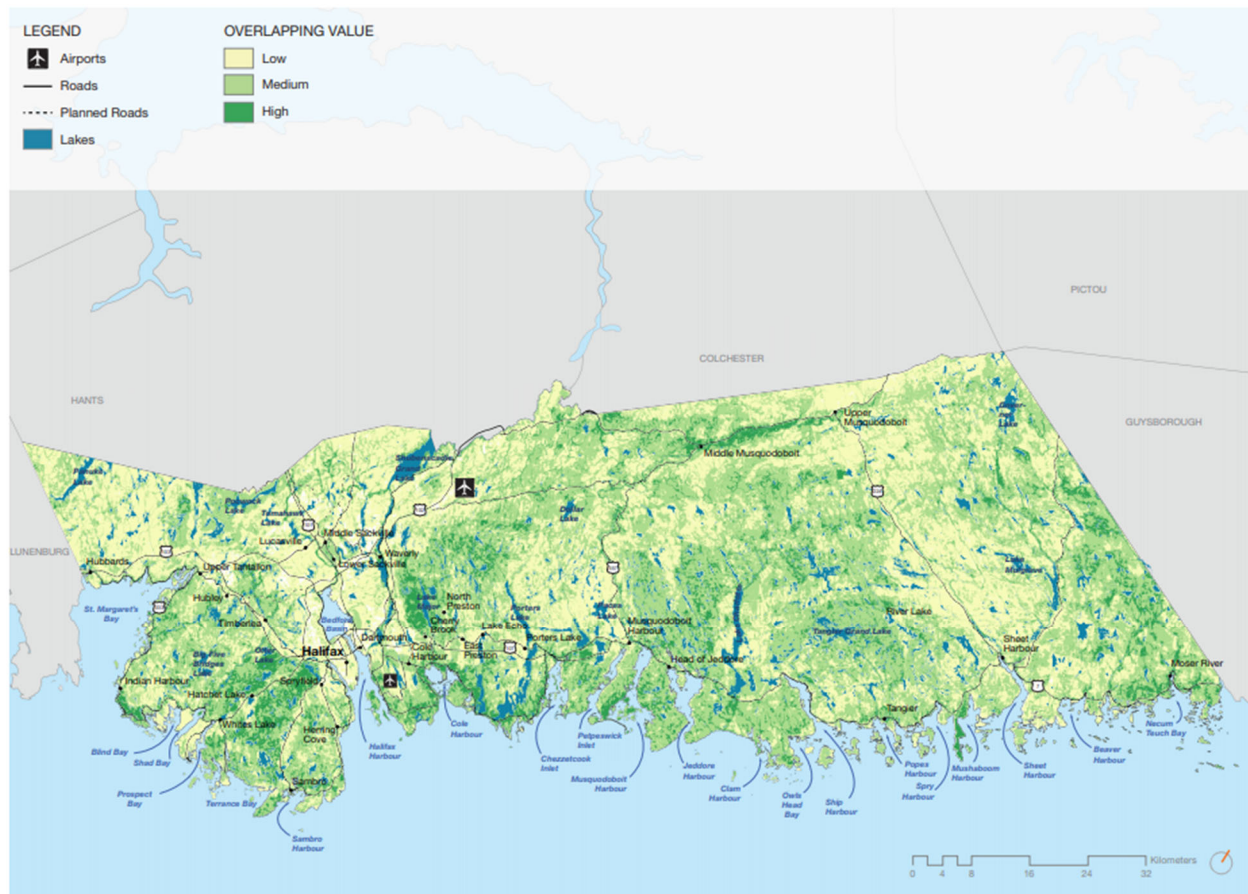
RGB Colours

Low (211, 229, 232)

Medium (125, 159, 184)

High (46, 100, 140)

HGNP Overlapping Values Ecology Working Socio-Cultural



Map 4: **SUMMED VALUES**

The purpose of this dataset is to rank the entire region based on any ecological, working landscape or socio-cultural values. Higher values represent multiple overlapping values.

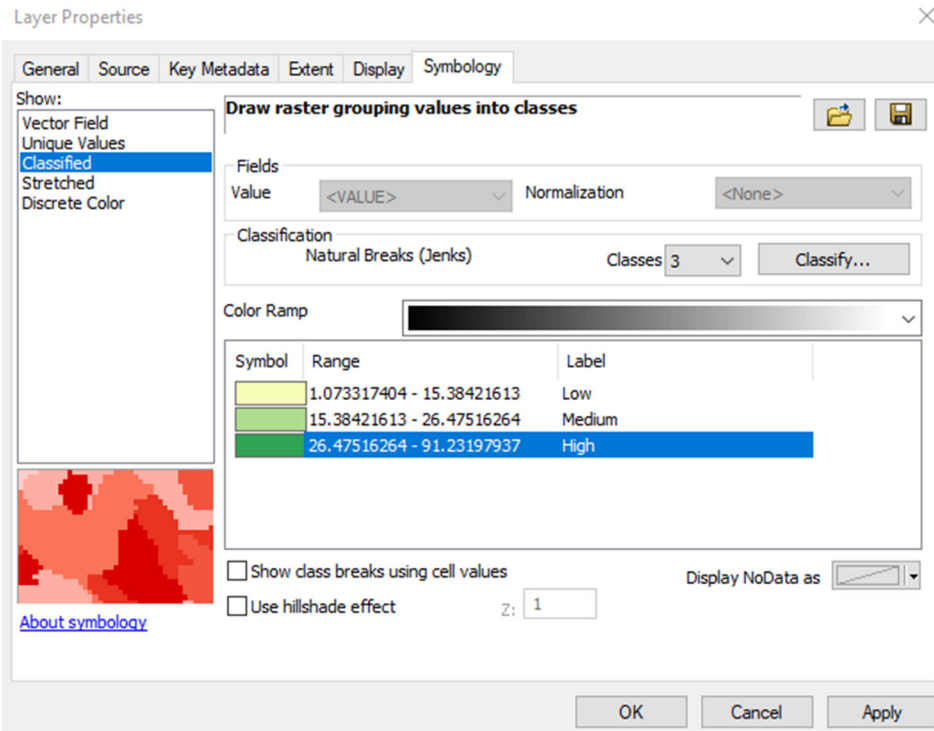
This derived raster dataset was created by union of the three theme summed datasets: HGNP_Ecological_Open_Space_Values, HGNP_Working_Landscape_Open_Space_Values and HGNP_Socio-Cultural_Landscape_Values.

Please refer to Halifax Green Network Plan section 2.5.4 for details on this dataset.

To replicate the symbology from Map 4 using the [HGNP_Overlapping_Values_Ecology_Working_Socio-Cultural.tif](#)

Import the [HGNP_Overlapping_Values_Ecology_Working_Socio-Cultural.lyr](#) into the Layer Properties – Symbology tab

Note: Make sure to change the symbology from *Stretched* to *Classified* to achieve the correct results



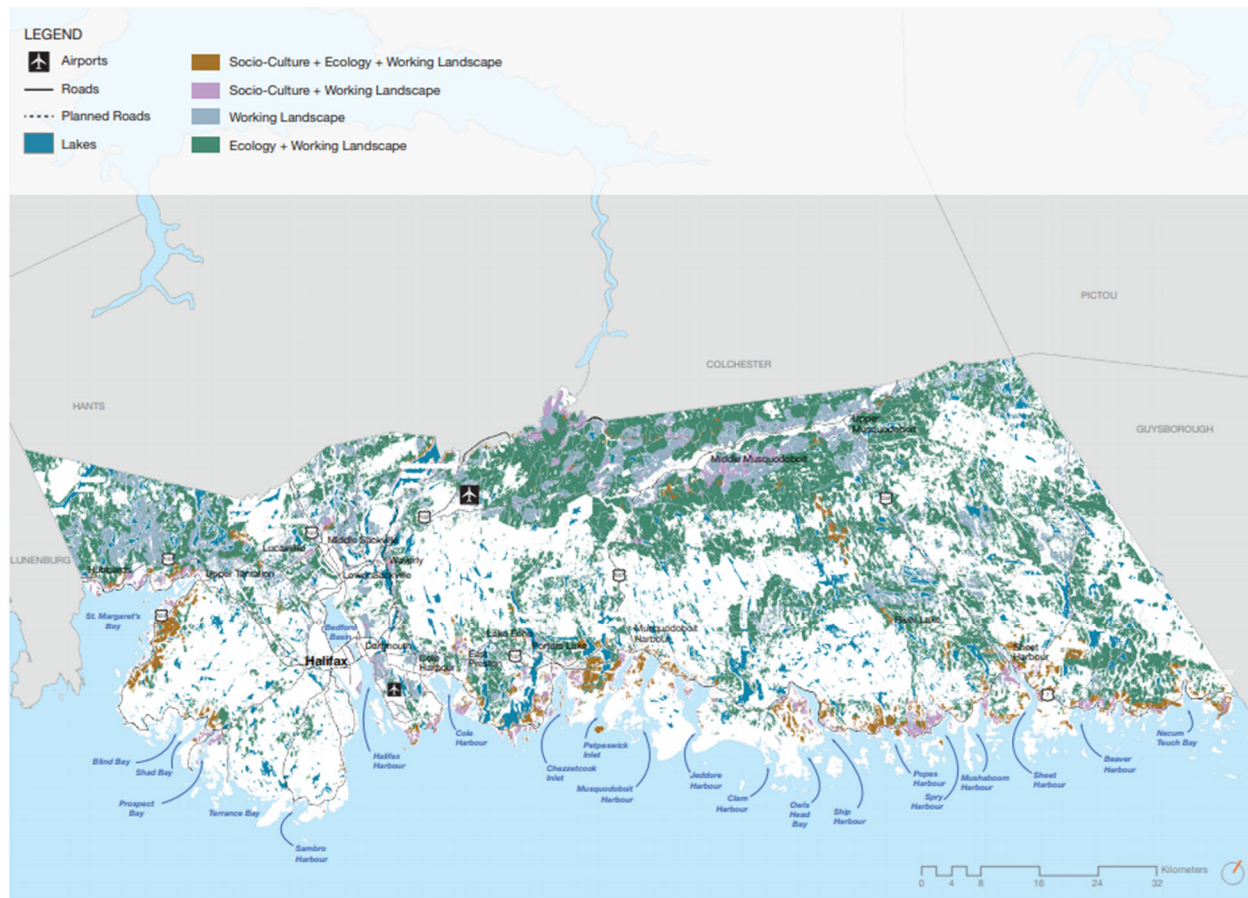
RGB colours

Low (247, 252, 185)

Medium (173, 221, 142)

High (49, 163, 84)

HGNP Working Landscapes Overlap Ecology Socio-Cultural



Map 7: **WORKING LANDSCAPES**

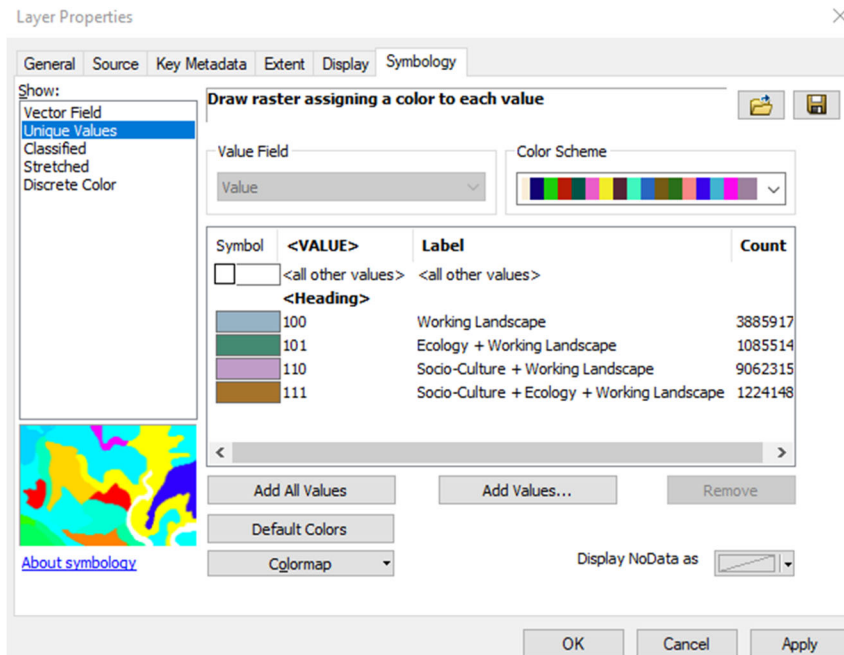
The purpose of this raster is to identify working landscape areas which are also significant for other themes (ecological and socio-cultural values). Different land use regulations may be required in overlapping regions.

This is a classified raster dataset which shows working landscape areas and their overlap with ecological values and/or socio-cultural values. Please refer to Halifax Green Network Plan sections 4.2.3 and 6.1 for more information and details on the usage of this dataset.

To replicate the symbology from Map 7 using the [HGNP_Working_Landscapes_Overlap_Ecology_Socio-Cultural.tif](#)

Import the [HGNP_Working_Landscapes_Overlap_Ecology_Socio-Cultural.lyr](#) into the Layer Properties – Symbology tab

Note: Make sure to change the symbology from *Stretched* to *Unique Values* to achieve the correct results



RGB colours

Working Landscape (150, 178, 197)

Ecological + Working Landscape (68, 137, 114)

Socio-Cultural + Working Landscape (191, 157, 200)

Socio-Cultural + Ecological + Working Landscape (166, 115, 42)