

APPENDIX A: Data dictionary

Category	Data set	Data set name	Type of data	Year of ground condition	Spatial accuracy
Biodiversity	BioNet - Biodiversity Conservation Network	BioNet	polygon shapefile	2011	1:24,000
Biodiversity	Ecologically Significant Areas	MDDNR_ESA_CecilCounty_2018	polygon shapefile	2018	
Biodiversity	Red salamander locations	RedSalamander_CecilCounty_MBSSrecords.xlsx	Excel spreadsheet	2014	
Biodiversity	Vernal pool locations	VernalPools_CecilCounty_MBSSrecords.xlsx	Excel spreadsheet	2016	
Biodiversity	Wetlands of special state concern (linear)	SWwsscl	line shapefile	1998	1:24,000
Biodiversity	Wetlands of special state concern (polygon)	SWwsscP	polygon shapefile	1998	1:24,000
Census	Census block groups	harfbkgrp2010_83f	polygon shapefile	2010	
Census	Census blocks	2010_Block	polygon shapefile	2010	
Census	Est. 2015 pop. by age group	ACS_15_5YR_B01001_POP_AGE_BG_ALL_AGE.xlsx	Excel spreadsheet	2015 (est.)	
Census	Language spoken	ACS_15_5YR_B16002_Language_Spoken.xlsx	Excel spreadsheet	2015 (est.)	
Census	Poverty status	ACS_15_5YR_B17021_POVERTY_STATUS.xlsx	Excel spreadsheet	2015 (est.)	
Critical infrastructure	Fire stations	MEMA_USNG_Critical_Infrastructure.mdb	Access database		
Critical infrastructure	Hospitals	MEMA_USNG_Critical_Infrastructure.mdb	Access database		
Critical infrastructure	Police stations	MEMA_USNG_Critical_Infrastructure.mdb	Access database		
Critical infrastructure	Schools	MEMA_USNG_Critical_Infrastructure.mdb	Access database		
Critical infrastructure	Utility Structures	Utilities Structures.shp	polygon shapefile	2008	
Critical infrastructure	Wastewater treatment plants	WWTP	point shapefile		
Ecosystem services	Air Pollution Removal	aq_kg_yr	raster (GRID)		30 m
Ecosystem services	Air Pollution Removal Economic Value	aq_d_yr	raster (GRID)		30 m
Ecosystem services	Carbon Sequestration	carb_seq_g_yr	raster (GRID)		30 m
Ecosystem services	Carbon Sequestration Economic Value	carb_seq_d_yr	raster (GRID)		30 m
Ecosystem services	Groundwater Recharge	gw_cm3_m2_yr	raster (GRID)		30 m
Ecosystem services	Groundwater Recharge Economic Value	gw_d_yr	raster (GRID)		30 m
Ecosystem services	Nitrogen Uptake	nutr_kg_m2_yr	raster (GRID)		30 m
Ecosystem services	Nitrogen Uptake Economic Value	nutr_d_yr	raster (GRID)		30 m
Ecosystem services	Stormwater Mitigation Economic Value	sw_d_yr	raster (GRID)		30 m
Ecosystem services	Stormwater Mitigation Potential Index	sw_index	raster (GRID)		30 m
Ecosystem services	Surface Water Protection Economic Value	wtr_prot_d_yr	raster (GRID)		30 m
Ecosystem services	Total Ecosystem Service Economic Value	sum_es_d_yr	raster (GRID)		30 m
Ecosystem services	Wildlife Habitat and Biodiversity Economic Value	wild_d_yr	raster (GRID)		30 m
Ecosystem services	Wildlife Habitat and Biodiversity Potential Index	wild_index	raster (GRID)		30 m
Fish blockages	Fish blockages	MD_fish_blockages	point shapefile		
Floodplains	Floodplains (0.2%)	500_YR_FLOODPLAIN	polygon shapefile		
Floodplains	Floodplains (1%)	Floodplain	polygon shapefile		
Hydrology	Hydrology polygons	Hydrology_Polygons	polygon shapefile		
Hydrology	Northeastern Aquatic Habitat Classification System	MD_flowlines_NAHCS.shp	line shapefile	2006	1:100,000
Hydrology	Streams, rivers, and ditches	Hydrology_Lines	line shapefile		
Land cover	Buildings	Buildings_2013	polygon shapefile	2013	
Land cover	Impervious surfaces	impervious2014	polygon shapefile	2014	

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Land cover	Land cover	HARF_24025_USGS.tif	raster (TIFF)	2013-2014	1 m
Land cover	Parking lots	Parking_2013	polygon shapefile	2013	
Land cover	Vegetation	Vegetation_2013	polygon shapefile	2013	
Parcels	Parcels	24025_parcel	polygon shapefile	2014	
Protected land	Ag Districts and Easements	agpres2	polygon shapefile	2013?	
Protected land	Ag Districts and Easements	AgPreservation	polygon shapefile	2017?	
Protected land	Federal lands (includes military)	SWplfe	polygon shapefile	2014	
Protected land	Forest Conservation Easements	SWFCA	polygon shapefile	2013	
Protected land	Forest Legacy Easements	ForestLegacyEasement	polygon shapefile	2017?	
Protected land	Historic Easements	HistoricEasements	polygon shapefile	2009?	
Protected land	Lower Deer Creek Valley Rural Legacy Easement properties	DeerCreekValleyRuralLegacyEasements	polygon shapefile	2017?	
Protected land	Manor Rural Legacy Easements	manorlease	polygon shapefile	2010	
Protected land	Maryland Environmental Trust Easements	Maryland_Environmental_Trust_Easements	polygon shapefile	?	
Protected land	Parks and recreation areas	Parks	polygon shapefile	2009	
Protected land	Rural Legacy Easements	Rural_Legacy_Easements	polygon shapefile	?	
Roads & railroads	Bridges maintained by Cecil County	Bridges	point shapefile	2011	
Roads & railroads	Railroads	Railroads_2013	line shapefile	2013	
Roads & railroads	Roads	Roads_2013	polygon shapefile	2013	
Shorelines	Blue Infrastructure Baywide Rank Segments (Aquatic near-shore)	BI_2010_AQ	polygon shapefile	2010	1:24,000
Shorelines	Blue Infrastructure Baywide Rank Segments (Terrestrial near-shore)	BI_2010_LD	polygon shapefile	2010	1:24,000
Shorelines	Chesapeake Bay Critical Area	Chesapeake_Bay_Critical_Area	polygon shapefile		
Shorelines	Coastal Resiliency Assessment	CRP_Cecil.gdb	Geodatabase		250 m segments
Shorelines	Hurricane storm surge extents (SLOSH model)	GBW_HurricaneStormSurge_USACE	polygon shapefile		
Slope	Areas of >25% slope over 40,000 ft ²	over25over40k	polygon shapefile		
Slope	Slope	MD_Cecil_slope_m	ImageServer link		5 ft
Soils	Hydric soils	HydricSoils	polygon shapefile		
Soils	Soil Classifications	Soil_Classifications	polygon shapefile		
Soils	SSURGO soils	soils_SSURGSMD_md025_2955787_01	Geodatabase		
State GI	State GI corridors	corridors2014clipped	polygon shapefile	2014	30 m
State GI	State GI hubs	hubs2014clipped	polygon shapefile	2014	30 m
State GI	Targeted Ecological Areas	Targeted_Ecological_Areas	polygon shapefile	2016	
Stormwater BMPs	Retrofit and stream restoration drainage areas	Retrofit_and_Stream_Restoration_Drainage_Areas	polygon shapefile	2015	
Stormwater BMPs	Stormwater BMP drainage areas		polygon shapefile	2015	
Stormwater BMPs	Stormwater BMP locations		point shapefile	2015	
Stream buffers	150 foot buffer around streams with a drainage area >400 acres	new150buffer_ActualBufferArea	polygon shapefile		
Trails	Trails	Trails_Area_2013	polygon shapefile	2013	
Utilities	Electric Utilities	Utilities Electric.shp	line shapefile	2008	
Water quality	BMP Drainage Areas	Drainage_Areas	polygon shapefile	2015	
Water quality	BMP locations	BMP	point shapefile	2015	

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Water quality	MD Biological Stream Survey Sites	Maryland_Stream_Health__MD_Biological_Stream_Survey_Sites	point shapefile	1995-2016	
Water quality	Point Source Discharges	Maryland_Point_Source_Discharges	point shapefile	2015	
Water quality	Retrofit and Stream Restoration Drainage Areas	Retrofit_and_Stream_Restoration_Drainage_Areas	polygon shapefile	2015	
Water quality	SPARROW data	MD_SPARROW.gdb	Geodatabase	2015	
Water quality	State restoration priorities	TrustFund11_2014	point shapefile	2014	
Water quality	Stream reach condition	Maryland_Stream_Health__Stream_Reaches	line shapefile	1995-2009	
Water quality	Stream wader sites	Maryland_Stream_Health__Stream_Wader_Sites_volunteer_collected	point shapefile	2000-2012	
Water quality	Tier II stream reaches	Cecil_TierII_segments_2016	line shapefile	2003-2012	
Watersheds	3rd order watersheds	swshed12	polygon shapefile	1998	
Watersheds	Blue Infrastructure High Priority Watersheds	High_percentage_rank_area_BI	polygon shapefile	2010	
Wetlands	Wetlands	DNR wetlands	polygon shapefile	1988-1995	1:12,000