Chapter Order

Chapter Number	Chapter Title
Chapter 1	Snapshot
Chapter 2	Introduction
Chapter 3	Visions, Goals and Objectives
Chapter 4	Existing Conditions
Chapter 5	Historic
Chapter 6	Housing
Chapter 7	Transportation
Chapter 8	Community Facilities
Chapter 9	Economic Development
Chapter 10	Mineral Resources
Chapter 11	Agriculture and Forestry
Chapter 12	Sensitive Areas
Chapter 13	Water Resources
Chapter 14	Growth Management and Land Use
Chapter 15	Implementation
Appendix 1	Housing
Appendix 2	Transportation
Appendix 3	Growth Management and Land Use
Appendix 4	Maps

Charts

Chart Number	Chart Name	Page Number
Chart 4-1	Total Population 1990-2020	4-1
Chart 4-2	Race by Percentage 2000-2020	4-2
Chart 4-3	Age of Total Population 2010	4-3
Chart 4-4	Age of Total Population 2020	4-3
Chart 6-1	Number of Units Per Housing Structure	6-4
Chart 6-2	Monthly Housing Costs	6-7
Chart 6-3	Owner Occupied Home Values	6-9
Chart 6-4	Median Rent in County vs. State	6-10
Chart 6-5	Land Development Activity	6-16
Chart 6-6	SF Residential Parcels	6-23
Chart 6-7	Percentage of SF Parcel Acreages	6-24
Chart 6-8	Average Acreage Per Parcel	6-25
Chart 6-9	County Projected Dwelling Units 2020-2045	6-29
Chart 6-10	MDP Projected Dwelling Units 2020-2045	6-29
Chart 6-11	Projected Percent Population over 65	6-30
Chart 7-1	Means of Transportation to Work for Workers Aged 16 Years and Over (2000-2020)	7-5
Chart 7-1	Means of Transportation to Work by Vehicles Available (2010-2020)	7-5
Chart 7-2	Travel Time to Work (2000-2020)	7-0
Chart 7-3	Washington County Vehicle Miles Traveled, Population and Employment Growth	7-12
	2000-2015	
Chart 7-5	AADT Count at Major County Entrances/Exits	7-13
Chart 7-6	Projected Volume of Freight by Travel Mode (2017-2050)	7-37
Chart 7-7	Percentage of Total Freight Employment by NAICS Land Use	7-47
	T . 4070 0040	0.0
Chart 9-1	Total Jobs 1970-2040	9-2
Chart 9-2	Changes in Jobs by NAICS Industry	9-5
Chart 9-3	Total Labor Force	9-6
Chart 9-4	Unemployment Rate 2005-2020	9-8
Chart 9-5	Median Household Income 2010-2020	9-9
Chart 9-6	Poverty Rates 2010-2020	9-10
Chart 10-1	Washington County Non-Coal Surface Mine Production	10-2
	<u> </u>	
Chart 11-1	Land in Farms by Use Category (2017)	11-3
Chart 11-2	Agricultural Lands Converted vs. Preserved 1981-2020	11-10
Chart 11-3	Forest Acres Preserved vs Acres Required 1994-2018	11-32
		46.
Chart 12-1	Percent of Riparian Buffer Zones That Are Covered by Tree Canopy, by Region	12-6
Chart 14-1	Land Use Patterns 1973-2011	14-2
Chart 14-2	Developed vs. Undeveloped Areas	14-4
Chart 14-3	Developed vs. Undeveloped Land in Growth Areas	14-5
	2 01 01 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	. , ,
Chart A2-1	A breakdown of the four types of cyclists	A2-12

Maps

Map Number	Map Name	Page Number
Map 1-1	Washington County Vicinity	1-1
Map 5-1	Historic Sites	5-10
Map 5-2	Heart of the Civil War Heritage Area in Washington County	5-15
Map 5-3	Historic Rural Villages & Antietam Overlays	5-22
Map 5-4	Historic Preservation Overlay Locations	5-27
	, and the second se	
Мар 6-1	Environmental Justice Scores by Census Tract	6-12
Map 6-2	Priority Funding Areas	6-18
Map 6-3	Washington County Residential Development 1994-2023	6-21
Мар 7-1	Commuter Origins and Destinations for Washington County Workers Age 16+	7-8
Map 7-2	Transportation Costs as Percentage of Annual Household Income	7-9
Map 7-3	County Location Affordability (Housing + Transportation)	7-10
Map 7-4	2040 Travel Time Index Projections	7-14
Map 7-5	Priority Corridors for Safety Improvements	7-16
Map 7-6	Functional Classification of Roadways	7-18
Map 7-7	Highways Plan	7-20
Map 7-8	Washington County Transit Network	7-23
Map 7-9	Areas with Greatest Transit Need	7-25
Map 7-10	Existing Bicycle, Pedestrian and Trail Facilities	7-28
Map 7-11	Regional Truck Parking	7-39
Map 7-12	Active Railroads	7-43
Map 7-13	Railway Incidents 2000-2022	7-44
Map 7-14	Freight Employment Locations	7-46
Map 7-15	Planned Freight Development	7-48
Map 7-16	Existing Electric Vehicle Charging Stations and Targeted Areas	7-54
1VIAP 7-10	Existing Electric Verlicle Charging Stations and Targeted Areas	7-54
Map 8-1	Federal and State Parklands	8-7
Map 8-2	Local Parks and Recreational Facilities	8-8
Map 8-3	Elementary School Districts and Schools	8-10
Map 8-4	Middle School Districts and Schools	8-11
Map 8-5	High School Districts and Schools	8-12
Map 8-6	Law Enforcement, Correctional Facilities and Judicial Service	8-18
Map 8-7	Fire and Rescue Companies in Operation	8-21
Map 8-8	Washington County Library Locations	8-26
Map 8-9	MDBC Fiber Optic Network	8-27
Ινιαρ 0-7	Middle Fiber Optic Network	0-27
Map 9-1	Dispersion of Age Dependency Ratios by Election District	9-8
Map 9-2	Foreign Trade Zones	9-22
Map 9-3	Targeted Economic Area - Airport	9-27
Map 9-4	Targeted Economic Area - Airport Targeted Economic Area - Hopewell Valley	9-28
		9-29
Map 9-5	Targeted Economic Area - Hopewell Valley North	9-29
Map 9-6	Targeted Economic Area - Friendship Technology Park	9-30
Map 9-7	Targeted Economic Area - Former Ft. Ritchie Military Base	
Мар 9-8	Targeted Economic Area - Mt. Aetna Technology Park	9-32
Map 10-1	Active Non-Coal Surface Mines	10-3
	Potential Non-Fuel Mineral Reserves	10-3
Map 10-2		10-4
Map 10-3	Zones of Dewatering	I U-/

Maps

Map Number	Map Name	Page Number
Map 10-4	Mineral Resource Extraction Operations by Class	10-8
Map 11-1	Soil Capability Classes 1 & 2	11-2
Map 11-2	Protected Lands	11-9
Map 11-3	Forest Inventory	11-26
Map 12-1	Stream Health (1996-2020)	12-5
Map 12-2	County Riparian Forest Buffers	12-7
Map 12-3	Springs and Karst Formations	12-13
Map 12-4	Habitats of Rare, Threatened or Endangered Species	12-17
Map 12-5	Washington County BioNet	12-18
Map 12-6	Washington County GreenPrint	12-20
Map 12-7	Existing Special Planning Areas	12-22
Map 12-8	Waterway Designated Use Classifications	12-23
Map 12-9	Proposed Watershed Protection Special Planning Areas	12-27
Map 12-10	Steep Slopes	12-29
Map 13-1	8 Digit Watersheds in Washington County	13-2
Map 13-2	Hydrogeomorphic Regions in Washington County	13-4
Map 13-3	Wellhead Protection Areas	13-11
Map 13-4	Map of Desirable Areas for Water Quality Protection	13-29
Map 14-1	2011 Land Use and Land Cover	14-2
Map 14-2	Protected Lands	14-6
Map 14-3	Growth Areas as a Percentage of Total County Acreage	14-8
Map 14-4	Priority Funding Areas	14-10
Map 14-5	Future Land Use	14-19
Map 14-6	Growth Area Changes for Future Land Use Plan	14-20
Map A3-1	Environmental Conservation Weighted Score	A3-3

Tables

Table Number	Table Name	Page Number
Table 4-1	Total Household and Household Size 2000-2020	4-2
Table 4-2	Household Composition 2000-2020	4-2
Table 4-2	Household Income as a Percentage of Total Households (2000-2020)	4-4
Table 4-3	Educational Attainment for Total Population Age 25 Years and Older (2000-2020)	4- 4 4-5
	Educational Attainment for Total Population Age 23 Tears and Older (2000-2020)	4-3
Table 5-1	National Register of Historic Places	5-9
Table 5-2	Summary of Town Historic Resource Surveys	5-12
Table 5-3	Historic Resource Surveys Completed Since 2002 Comprehensive Plan	5-12
Table 5-4	Rural Villages with Historic Surveys Status	5-23
Table 5-5	Local Preservation Organizations	5-29
Table 6-1	Housing Occupancy and Tenure	6-2
Table 6-2	Age of Housing Stock	6-3
Table 6-3	Household Income Between 0% and 110% of Area Median Income	6-9
Table 6-4	Residential Building Permits by Housing Type 2000-2019	6-16
Table 6-5	Permits and Development Plans Inside and Outside of PFAs (1994-2019)	6-19
Table 7-1	County Household Transportation Statistics	7-10
Table 7-2	Top Congested Corridors in Washington County	7-15
Table 7-3	Corridors	7-16
Table 7-4	Relationship Between Functional Classification and Travel Characteristics	7-17
Table 7-5	Highway Standards	7-19
Table 7-6	Highways Plan Detail	7-21
Table 7-7	HEPMPO Fiscal Constraint Plan	7-22
Table 7-8	Proposed Washington County Bicycle Facilities	7-35
Table 7-9	Top Corridors Identified by Public Comments for Bike and Pedestrian Needs	7-35
Table 7-10	County Sidewalk Improvements	7-36
Table 7-11	Freight Employment Typology by 2022 NAICS Codes	7-47
Table 7-12	Existing Critical Urban and Rural Freight Corridors	7-49
Table 7-13	Priority Freight Corridors	7-49
Table 7-14	Candidate Critical Urban Freight Corridors	7-50
Table 8-1	Actual and Projected School Capacity 2020-2027	8-14
Table 8-2	Washington County Fire Companies	8-22
Table 8-3	City of Hagerstown Fire Department	8-23
Table 9-1	Comparison of Job Sectors - County vs. State (2020)	9-3
Table 9-2	Major Employers in Washington County	9-4
Table 9-3	Regional Labor Force	9-7
Table 9-4	Changes in Employment 2000-2020	9-12
Table 9-5	Shift Share 2000-2020	9-12
Table 9-6	Changes in Employment 2010-2020	9-14
Table 9-7	Shift Share 2010-2020	9-14
Table 9-8	Location Quotient	9-15
Table 9-9	Non-Residential Capacity Analysis	9-16
Table 10-1	Key Mineral Extraction Characteristics	10-8
Table 11-1	Acreage, Number and Size of Farms	11-3
Table 11-2	Crops Grown in Washington County	11-4
Table 11-3	Livestock Raised in Washington County	11-4
Table 11-4	Agricultural Sales	11-5

Tables

Table Number	Table Name	Page Number
Table 11-5	Demographics of Farmers	11-6
Table 12-1	Washington County Stream Buffer Guidelines	12-8
Table 13-1	Hydrogeomorphic Region Recharge Rates	13-6
Table 13-2	Freshwater Use and Withdrawals in Washington County	13-7
Table 13-3	Water Resource Usage - Current and Projected	13-8
Table 13-4	Wastewater Facilities	13-14
Table 13-5	Wastewater Treatment Plant Capacity - Current and Projected	13-16
Table 13-6	Point Source Loading for County Owned WwTPs	13-18
Table 13-7	Designated Use Classifications	13-25
Table 13-8	Adopted Water Quality Standards to Maryland Waterways	13-25
Table 13-9	WQS for Antietam Creek Watershed	13-27
Table 13-10	WQS for Conococheague Creek Watershed	13-27
Table 13-11	WQS for Marsh Run Watershed	13-27
Table 13-12	WQS for Potomac River Direct Watershed	13-28
Table 13-13	Impervious Surface Area by Watershed	13-31
Table 13-14	CAST Model Pollution Scenarios	13-33
Table 14-1	Developed vs. Undeveloped Land	14-5
Table 14-2	Zoning by Acreage in the County	14-7
Table 14-3	Population Projections	14-12
Table 14-4	Household Projections	14-12
Table 14-5	Moderate Growth Scenario	14-13
Table 14-6	High Growth Scenario	14-13
Table 14-7	Residential Capacity of Current 2002 Land Use Plan by Growth Area	14-15
Table 14-8	Residential Capacity of Proposed 2024 Land Use Plan by Growth Area	14-15
Table 14-9	Residential Capacity Analysis - Rural Areas - Current 2002 Land Use Plan	14-16
Table 14-10	Residential Capacity Analysis - Rural Areas - Proposed 2024 Land Use Plan	14-16
Table 14-11	Comparison of Existing vs. Proposed Growth Areas	14-17
Table 14-12	Comparison of Land in Growth Areas between Existing and Future Land Use Plans	14-21
Table 14-13	Area per Land Use Policy	14-22
Table A2-1	Level of Service Grades and Intersection Wait Times	A2-2
Table A2-2	2008 Changes to Federal Functional Classification System	A2-3
Table A2-3	Characteristics of Bicycle Facility Types	A2-9
Table A2-4	Truck Parking Demand Estimates by Industry per 1,000 Employees	A2-14
Table A2-5	Truck Parking Spaces by Land Use and Building Square Footage	A2-14
Table A3-1	Adopted Land Use Multipliers Indicating Density Units/Acre	A3-1
Table A3-1	Proposed Land Use Multipliers Indicating Density Units/Acre	A3-1