



2022 Land Preservation, Parks & Recreation Plan

Harford County, Maryland

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Harford County 2022 Land Preservation, Parks & Recreation Plan

DRAFT FOR
REVIEW

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Emily Bayless Trail

Chapter I: Introduction and Framework

Parks, recreation, and open space remain key components of a community's quality of life. As part of the Baltimore, MD metropolitan area, Harford County continues to develop an outstanding parks and recreation system to serve a growing population. Aided by State and Federal funding programs, a strong network of local recreation councils and partnerships with other public and private organizations, the Harford County Parks and Recreation Department works to meet the leisure service needs of residents well beyond County resources. Opportunities for team sports, individual recreation, and special events are available to the community at the many parks and facilities in the County. As the community grows and changes in the future, it is important to plan for future parks and facilities and for meeting the recreation needs of the population. This plan sets forth the goals and policies which will guide the actions of the Department of Parks and Recreation over the ten-year planning period. These goals and policies will be implemented through the capital project recommendations for the planning period.

To fulfill the requirements of Maryland's Program Open Space (POS), the *2022 Harford County Land Preservation, Parks, and Recreation Plan* describes the County's current status and efforts not only in recreation and parks, but in agricultural preservation and natural resource conservation as well. The following introduction to the plan presents the context for the plan, including local policies that have directed land preservation, parks, and recreation efforts and other circumstances that have significant impacts on County leisure services.

Relationship to the Comprehensive Planning Process

Harford County Master Plan

The Harford County Charter requires the Department of Planning and Zoning to "prepare and propose Master Plans". Furthermore, the Charter requires the inclusion of a series of elements or components in the Master Plan which "further advance the purposes" of the Master Plan. Each of these elements needs to "describe how it relates to the other elements" in achieving the overall goals of the Master Plan.

Harford County's Master Plan establishes an overall vision for the County to guide its future growth. In 2009, the State launched Smart, Green, and Growing, a multi-agency initiative that clarified the role of the local comprehensive plans, required accountability by local jurisdictions, and added to the state planning visions. As part of the Smart, Green, and Growing legislative package, Harford County must submit an annual report that addresses specific smart growth measures and indicators that support the statewide land use goal of targeting development within designated Priority Funding Areas and minimizing

development outside of these areas. Harford County's 2012 Master Plan and Land Use Element Plan built upon various state and regional planning initiatives, including all of the elements previously mentioned.

In 2016, Harford County developed the HarfordNEXT County Master Plan which unites the County's element plans into one streamlined document and introduces a thematic approach to organize policies and implementation strategies. HarfordNEXT combines multiple Element Plans that were updated on different timetables into one overarching plan.

Element Plans

Previously, Harford County's Master Plan and Land Use Element Plan were supported by several standalone element plans; such as the Transportation Element Plan, Natural Resource Element Plan, Historic Preservation Element Plan, and the Priority Preservation Area Element Plan. In an effort to streamline the Master Plan and coordinate policies and implementations across different disciplines, the Department of Planning and Zoning conceived a contemporary approach that organizes the plan around six overarching themes. This thematic approach covers the same fundamental topics as previous element plans. Compiling the elements into a single document allows for more comprehensive and coordinated planning across the 25-year planning horizon of HarfordNEXT.

The six themes represent a holistic perspective on broad planning topics; the six themes are Grow with Purpose, Preserving Our Heritage, Mobility and Connectivity, Promoting Healthy Communities, Environmental Stewardship, and Economic Vitality. Each theme is structured around a number of principles and goals that correspond to implementation strategies to guide county policies over the life of the plan.

Seven community planning areas were established to facilitate strategic implementations at the community level. The Community Areas include Churchville-Creswell, Edgewood, Fallston, Greater Bel Air-Forest Hill-Emmorton, Greater Havre de Grace-Aberdeen-Bush River, Joppa-Joppatowne, and the Northern Tier.

Purposes of the Plan

2022 State Guidelines

Since 2003, the Guidelines for *Local Land Preservation, Parks, and Recreation Plans* (LPPRP's) have included agricultural and natural resources sections in local LPPRP's in addition to the traditional emphasis on recreation and parks. The purpose was to help clarify for State and local stakeholders the relationships and distinctions between these areas of public interest. For all areas, the goal was to examine the set of State and local efforts, determine if they are complementary or conflicting, identify shortcomings, and recommend improvements for State and local administrations and lawmakers. Completion of the LPPRP is a prerequisite for county participation in Maryland's Program Open Space (POS) Localside program. The 2022 Guidelines are similar to the 2018 Guidelines. The goal of the plan is to update major components of the 2018 plan, and provide an understanding of the County's goals, strategies, and priorities for investing to improve parks and recreation facilities and open spaces for public benefit. The 2022 LPPRP Guidelines still require the County to utilize Geographic Information System (GIS) mapping efforts to identify County parks and facilities in terms of proximity to population as well as park equity mapping for specific identified groups. The plan is divided into three element chapters:

1. Recreation and Parks Element: The major focus of the 2022 LPPRP, this element will address the recommendations for parks and recreation made in the 2018 State LPPRP.
2. Agricultural Land Element: Update on the progress of local programs since the 2018 LPPRP
3. Natural Lands/Resources Element: Brief update on the progress of local programs since the 2018 LPPRP.

Local Agency Preparation of the Plan

The Harford County Parks and Recreation Department is the lead agency and driving force behind the *2022 Harford County LPPRP*. The Department is the plan coordinator and will have the primary role in implementing recommendations related to recreation and park services. The sections of the LPPRP which focus on agricultural preservation and natural resource conservation are drawn from

existing sources, including HarfordNEXT and County policies. Implementation of recommendations regarding agricultural preservation and natural resource conservation will fall primarily to the Harford County Department of Planning and Zoning. The Department of Parks and Recreation and the Department of Planning and Zoning coordinate efforts regarding priorities for acquisition of passive parkland and environmental preservation easements.

Public Participation

The Department of Parks and Recreation serves as the lead agency for the Land Preservation, Parks, and Recreation process. Public participation is a critical element of the planning process. The goal of the public participation process for the Land Preservation, Parks, and Recreation Plan is to obtain input from a broad base of the population regarding their recreation and land preservation priorities and interests.

Engaging the public on the Plans and the process is a crucial step in a successful public participation process. With the wide use of the internet to provide information and solicit feedback, the Department of Parks and Recreation developed a survey to receive public comment regarding the local park system and recreation programs. Respondents were asked questions and could provide information on any or all of the following topical areas; team and active sports facilities; environmental and nature programming; community facilities and individual activities; facilities and programs for senior citizens; and facilities and programs for individuals with disabilities.

Invitations to participate in the survey were extended via email to County Advisory Board, the Recreation Council Presidents, County employees, the Therapeutic Recreation Community, the County Office on Aging program participants, and other recreation interest groups. Additionally, access to the survey was highlighted on the Harford County website, its social media pages, and a press release also was forwarded to the media to provide information to the general public.

The draft plan will be distributed for review. Presentations will be given at public meetings of the Parks and Recreation Advisory Board, the Environmental Advisory Board, and the Recreation Council Presidents. The draft plan will also be made available on the County website for public review and comment. After

final public comments, the final draft will be forwarded to the Harford County Council for review and adoption. Additionally, the Harford County Council will hold a public hearing as part of the legislative approval process.

Definitions Used in the Plan

County land preservation and recreation plans in Maryland analyze recreational land in several ways, including acreage, service area, and acres per thousand residents served. The following terms, some applicable to land preservation and some applicable to recreation/parks, are used throughout the *2022 Harford County LPPRP*:

- **Agricultural Land Preservation District:** an area in which normal agricultural activities are protected and encouraged, and which is formally established through Article XVI of the Harford County Code.
- **Community Parks:** Lands providing active and passive recreational opportunities for all neighborhoods within either a specific, geopolitically-defined area or a radius containing a large, developed area. Can also serve specific, organized sports groups.
- **Regional or Countywide Parks:** Large, multipurpose parks that draw participants from throughout the County. Provide organized and unorganized sports, active and passive recreation, and preservation of sensitive natural areas.
- **Development Right:** The right to develop one residential unit on a parcel in the AG Agricultural zoning district, as prescribed in section 267-53(D)(4) of the Harford County Zoning Code.
- **Easement:** An encumbrance on land that restricts the owner's rights to develop or otherwise use the land for other than specified uses, such as agriculture, recreation, or open space.
- **Neighborhood Parks:** Parks of smaller size with limited opportunities for active and/or passive recreation (usually playgrounds) that draw participants only from the immediate area—usually walking distance.
- **Purchase of Development Rights:** A transaction resulting in compensation to an owner of land in the AG Agricultural zoning district in return for placing an easement on the property prohibiting the exercise or sale of development rights from the property.

- **Semipublic Recreation:** Recreational opportunities which are privately-owned and require a membership to participate. Membership is open to the general public, and fees are set so as not to exclude large segments of the population.
- **Transfer of Development Rights:** The ability to develop properties within the residential, business, and industrial districts using development rights from parcels within the AG zoning district.

Framework

The framework for any plan describes the area for which the plan is written. The framework for the *2022 Harford County LPPRP* includes information in three important areas:

- **Physical Characteristics**—Information on the County’s forests, woodlands, streams, wetlands, Critical Areas (associated with the Chesapeake Bay), soils, steep slopes, unique natural areas, and development patterns will help guide decision on future park sites and recreation services.
- **Demographic Characteristics**—Information on the County’s population, such as growth in number of residents, age, gender, and income will help analyze current and future demand for recreation services.
- **Planning Framework**—Information on the planning policies and regulations governing Harford County is essential background material to understand the factors in park location and development.

Physical Characteristics

Harford County is located northeast of Baltimore, Maryland, at the source of the Chesapeake Bay. The County is bordered on the north by the Maryland/Pennsylvania State line, on the east by the Susquehanna River, on the west by Little Gunpowder Falls, and on the south by the Chesapeake Bay.

Information on the physical characteristics of Harford County is presented in this section. The following features are mapped to provide graphic information on the basic environment of the County. This is a starting place for decision making about planning and land use.

- Water features.
- Woodlands and steep slopes.
- Prime agricultural soils.
- Unique natural areas and Critical Areas.
- Preserved lands.

The *Harford County Critical Areas Plan* and the *2009 Natural Resources Element Plan* contain more detailed information and inventories of the County’s natural features and habitats of rare, threatened, and endangered species.

Water Features

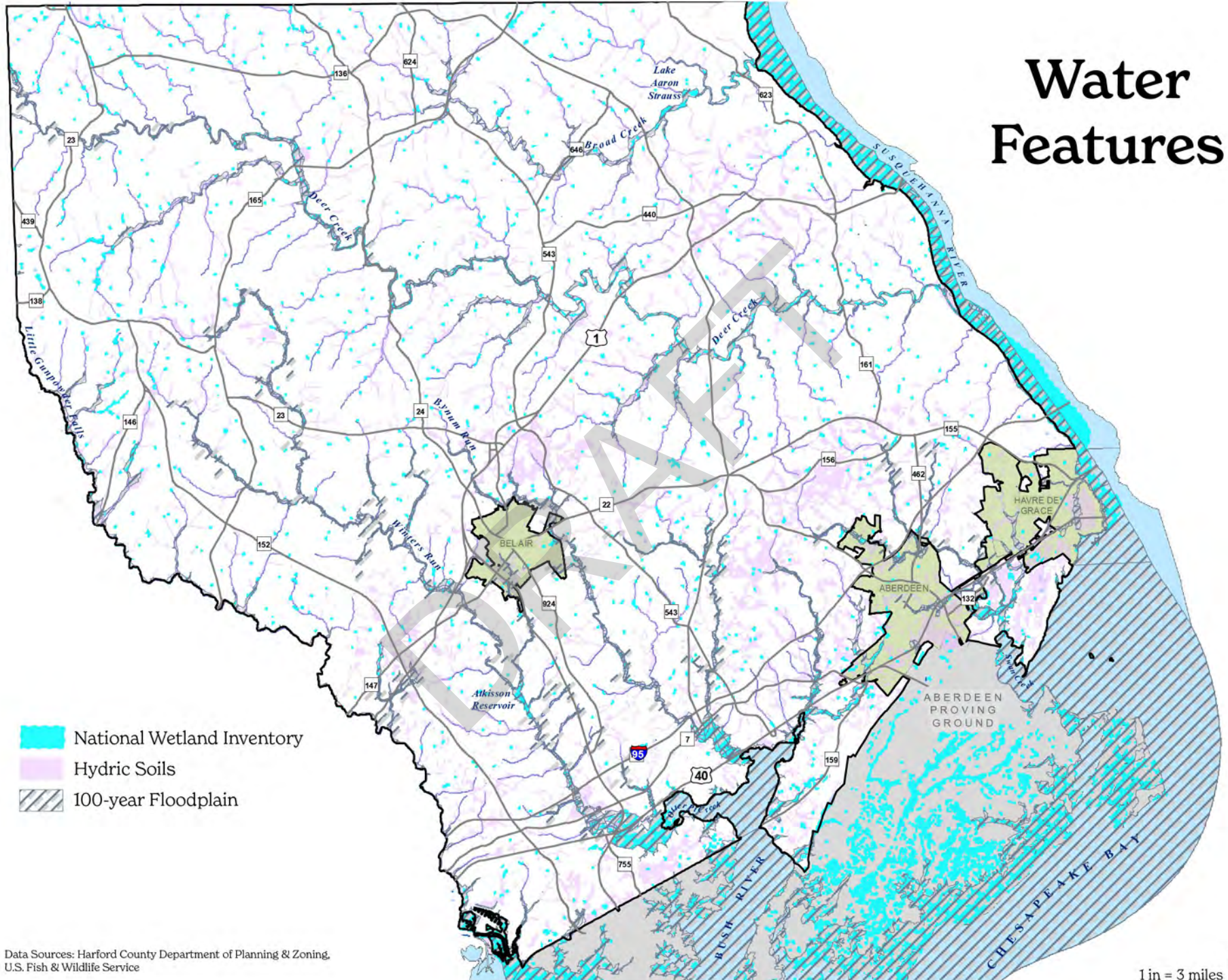
Water features are significant for all three components of the *2022 Harford County LPPRP*. Wetlands, both tidal and nontidal, must be preserved. Floodplains should also be preserved, wherever possible. Structures in floodplains should be severely restricted, with only infrastructure and low intensity uses allowed. Occasionally, diamonds and athletic fields with no accessories may be located within floodplains. Hydric soils cannot percolate water as well as other soils, which also severely limits development for septic systems and for facilities which need well drained soils.

Most of Harford’s water features are located in the southern portion of the County (Map I–1). Floodplains and tidal wetlands are found along many of the creeks, particularly as the waterways branch out from the bay.

Woodlands and Steep Slopes

Woodlands cover large land areas scattered throughout Harford County (Map I–2). Woodlands provide wildlife habitat, ecological balance, and, in some cases, recreation opportunities for residents. Much of the woodland cover is part of the Susquehanna State Park, along the Susquehanna River, Rocks State Park, and areas along Deer Creek.

Water Features

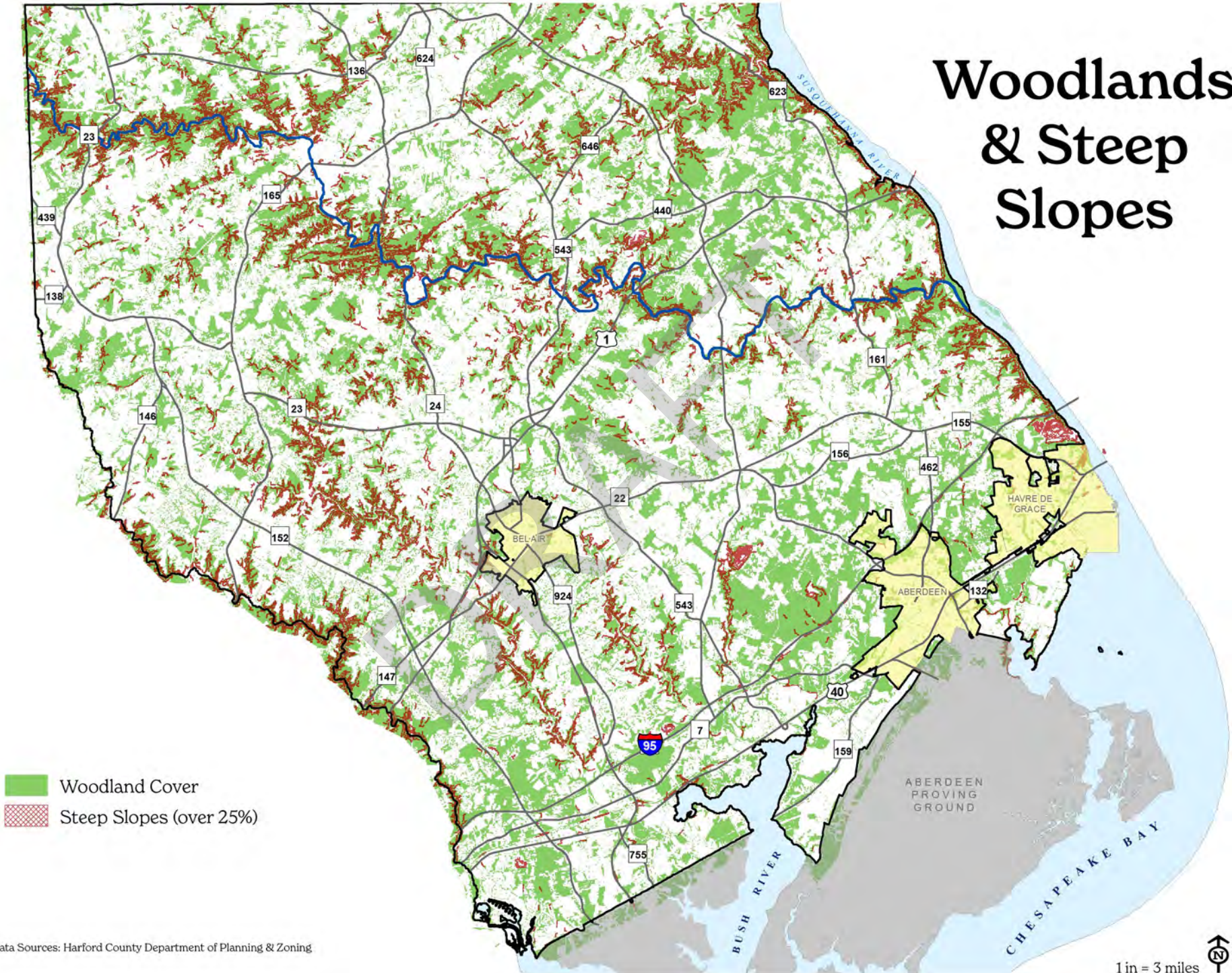


Data Sources: Harford County Department of Planning & Zoning,
U.S. Fish & Wildlife Service

1 in = 3 miles



Woodlands & Steep Slopes



Data Sources: Harford County Department of Planning & Zoning

1 in = 3 miles

Prime Agricultural Soils

Preserving agricultural land is a principal goal of both the *Harford County Master Plan* and the *2022 Harford County LPPRP*. Harford County has a significant amount of undeveloped prime agricultural soils, considering the development pressure outward from Baltimore. Prime soils are located throughout the County (Map I-3), particularly near the Chesapeake Bay, in the Bel Air-Emmorton area, and in the northern sections of the County.

The classic land use dilemma centers on the fact the best land for agriculture is also the best land for development. Development along the I-95 corridor, where County policy focuses future growth, competes with agriculture for much of the prime land in the southern part of the County.

Unique Natural Areas and Critical Areas

Some lands should be preserved for unique natural characteristics or value in preserving special assets (Map I-4). The Chesapeake Bay Critical Areas Program is required by State law to manage land use within 1,000 feet of tidal waters and tidal wetlands. The program accomplishes two major purposes:

- Protects both water quality and natural habitat.
- Accommodates future growth while still respecting environmentally sensitive areas.

Critical Areas are divided into three management areas:¹

- Intensely Developed Areas
- Limited Development Areas
- Resource Conservation Areas

Each area permits varying types and intensities of development. The complete program is described in the Harford County Critical Area Management Program (Harford County Department of Planning and Zoning, February 2011).

Unique natural areas (Map I-4) are home to species of plants and animals that are rare, threatened, or endangered. Several areas in Harford County are habitats that are important to the local culture and history. In addition, large areas in the northern and central parts of the County and along major waterways are identified as Sensitive Species Project Review Areas (SSPRA), which are "... general locations of documented rare, threatened and endangered species".²

The Deer Creek Scenic River District (Map I-4) is the area within 150 feet of either side of the creek. The district is established through the Maryland Wild and Scenic Rivers Program to preserve the natural beauty of the creek environment.

Development—Preservation Pattern

Land in Harford County is developed along two highway corridors (Map I-5):

- I-95/U.S.40, an east-west corridor through the southern part of the County
- MD 24, a north-south corridor from I-95 to the Bel Air area

The County has identified a "Development Envelope", anchored by the two corridors. County policy strongly encourages development to take place within the Development Envelope to make maximum, efficient use of public infrastructure, including water and sewer services, and roads. According to 2019 U.S. American Communities Survey 5-year estimates, almost 75% of the County population lives within the development envelope. This is a similar percentage to the population estimated during the 2010 Decennial Census (Table I-2).

The U.S. Census Bureau defines a slightly different area than the development envelope as either "urban" or "rural" areas, defined by population density:³

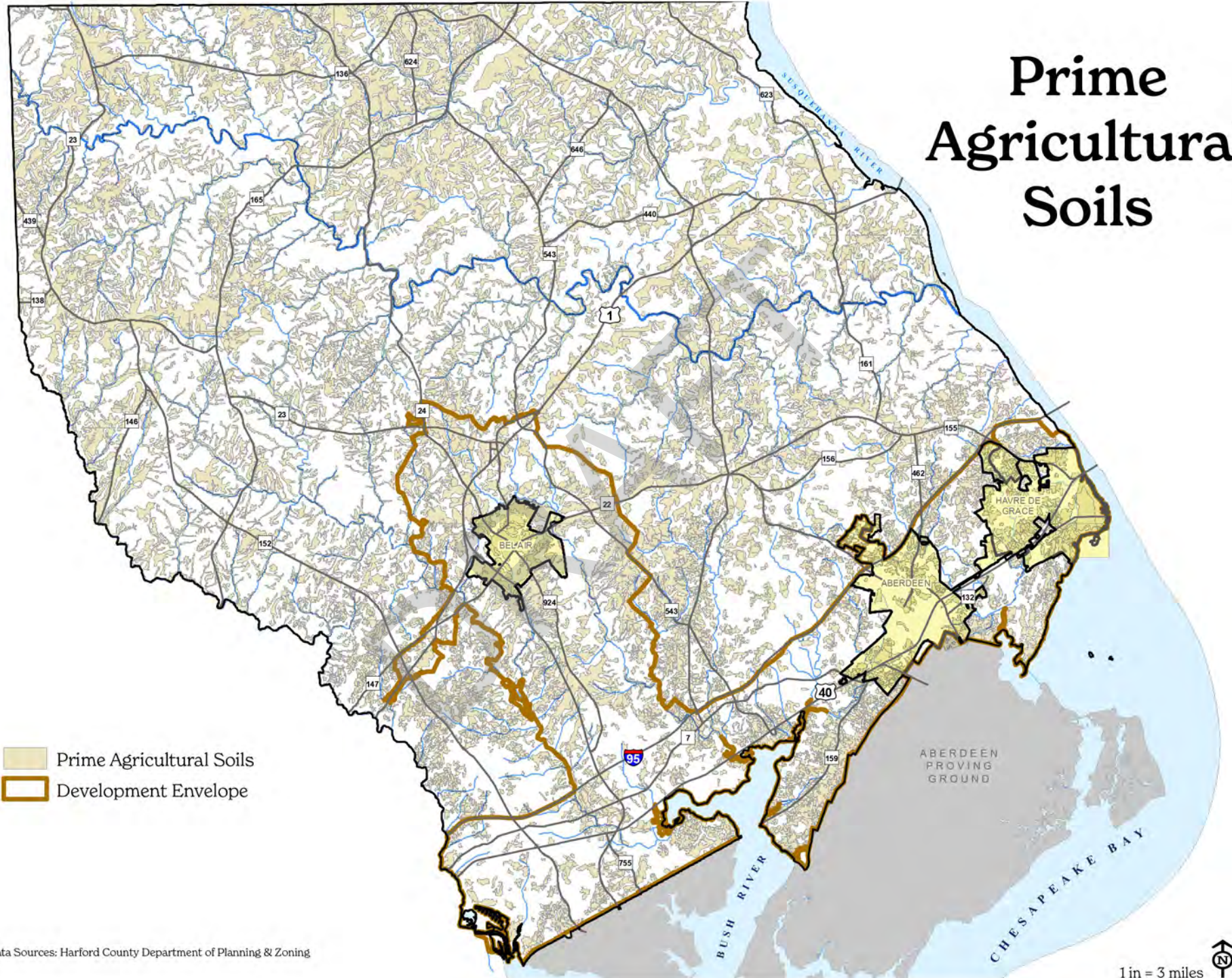
- For the 2010 Census, an urban area will comprise a densely settled core of census tracts and/or census blocks that meet minimum population density requirements, along with adjacent territory containing non-residential urban land uses as well as territory with low population density included to link outlying densely settled territory with the densely settled core. To qualify as an urban area, the territory identified according to criteria must encompass

¹ *Harford County Critical Area Management Program, Harford County Department of Planning and Zoning, February 2011, pp. 1-2 through 1-4*


² *Maryland Department of Natural Resources, Wildlife and Heritage Service*

³ *Definitions taken from the US Census website, available at: <https://www.census.gov/programs-surveys/geography/guidance/geo-areas/urban-rural.html>*

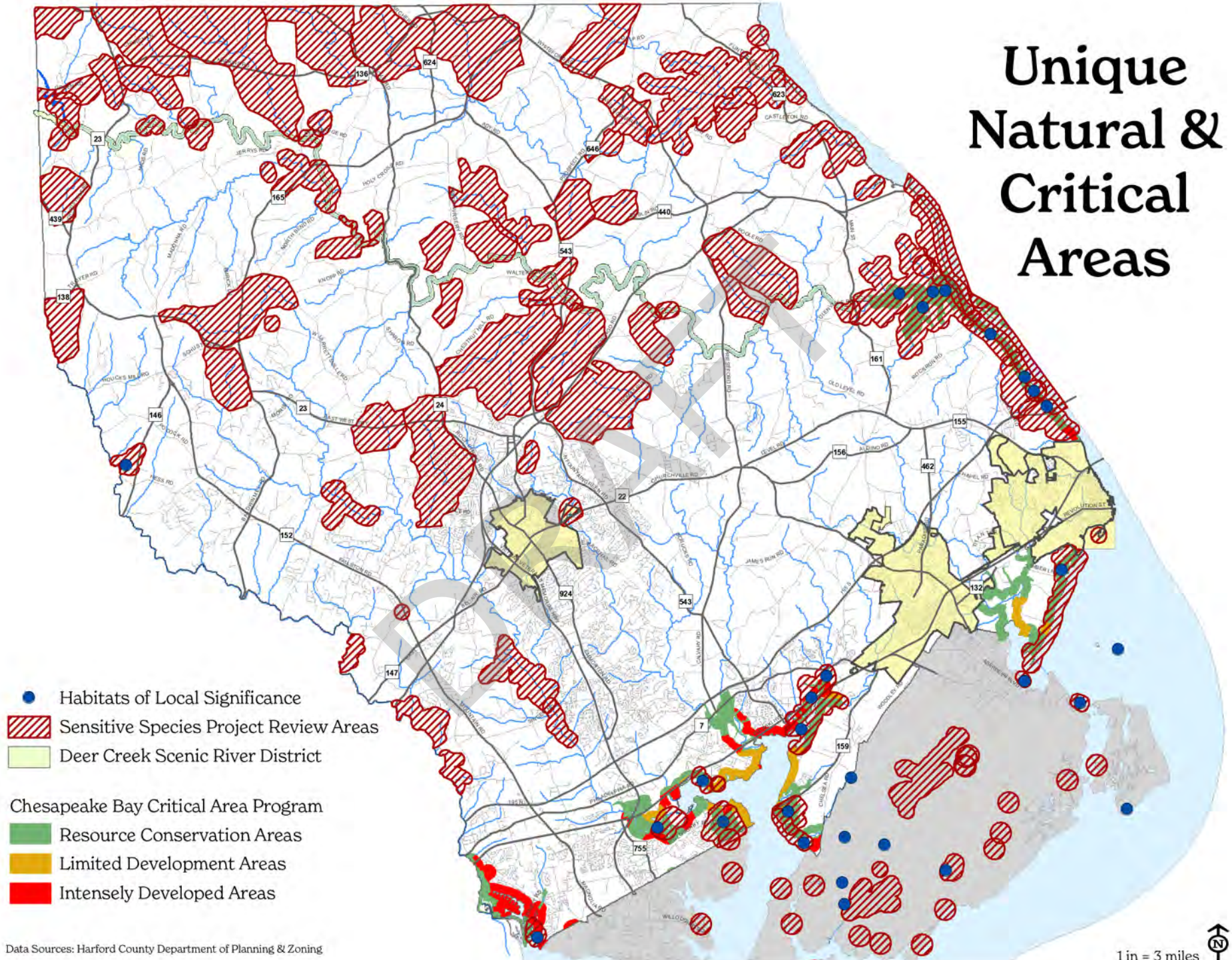
Prime Agricultural Soils



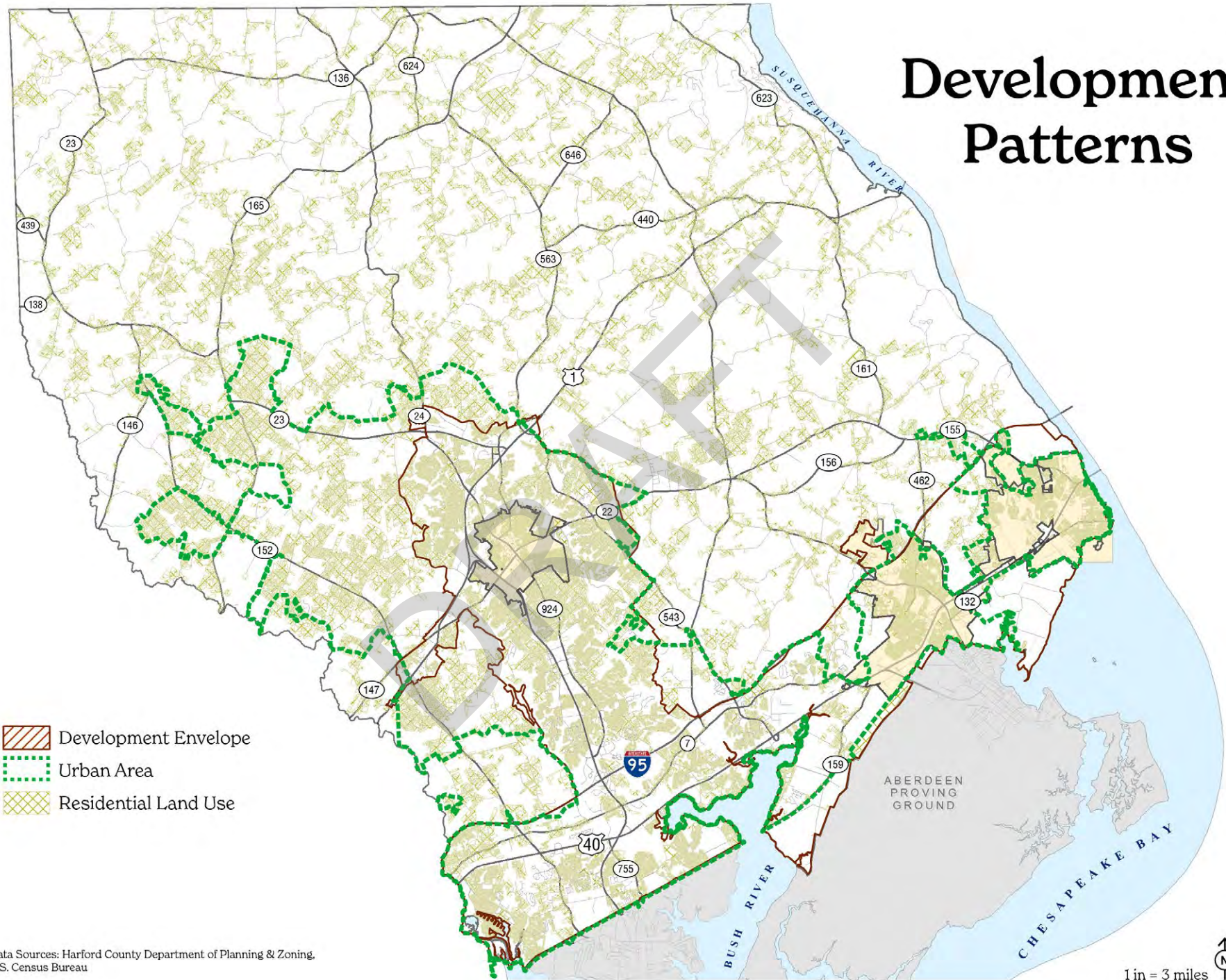
Data Sources: Harford County Department of Planning & Zoning

1 in = 3 miles 

Unique Natural & Critical Areas



Development Patterns



Data Sources: Harford County Department of Planning & Zoning,
U.S. Census Bureau

at least 2,500 people, at least 1,500 of which reside outside institutional group quarters. The proposed changes to the "urban" classification for the 2020 Census were not yet approved upon completion of this Plan.

- The Census Bureau identifies two types of urban areas:
 - » Urbanized Areas (UAs) of 50,000 or more people;
 - » Urban Clusters (UCs) of at least 2,500 and less than 50,000 people.
- The urban development pattern in Harford County is centered on the Development Envelope (Map 1.5).
- "Rural" encompasses all population, housing, and territory not included within an urban area.

Urban and rural areas typically have different recreation needs. Urban areas frequently have a sizeable population to participate in activities, but the denser development pattern makes land for recreation facilities much scarcer and more valuable than in rural areas. In contrast, rural areas often have sufficient land for

Table I-1: Urban and Rural Population, 2010 - 2019

Dev Pattern	Harford County				Maryland			
	2010		2019		2010		2019	
	Num	%	Num	%	Num	%	Num	%
Urban	201,352	82.2	219,820	87.2	5,034,331	87.2	5,250,394	86.8
Rural	43,474	17.8	32,402	12.8	739,221	12.8	795,286	13.2
Total	244,826	100	252,222		5,773,552	100		

Source: U.S. Census 2010 and ACS 2019, ESRI

Table I-2: Development Envelope Population, 2010 - 2019

Dev Pattern	2010		2019	
	Num	%	Num	%
Inside Development Envelope	177,393	72.5%	182,432	72.3%
Outside Development Envelope	67,433	27.5%	69,790	27.7%
Total	244,826		252,222	

Source: U.S. Census 2010 and ACS 2019, ESRI

recreation facilities. However, the facilities often have only a small nearby service population, and many users must travel significant distances to use the facilities.

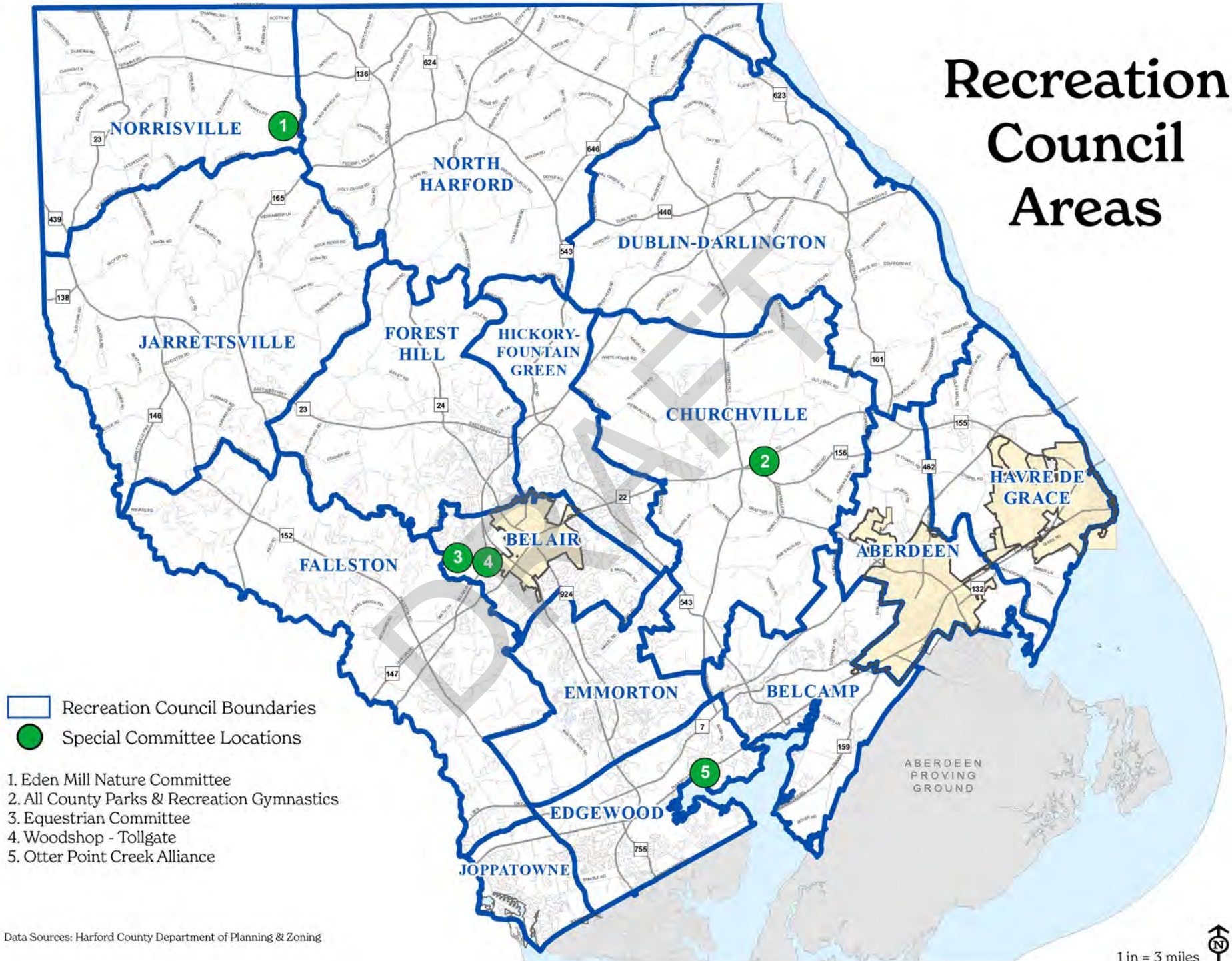
The population of Harford is more rural than in other parts of Maryland (Table I-1). However, Harford County increased in urban population and decreased in rural population since 2010, while state-wide, Maryland did the opposite. One of the primary reasons for the increase in urban population is the location near to public services, such as recreation.

Table I-3: Harford County Population, 2010-2019

Recreation Council Area	2010	2015	2019	Change: 2015-2019	
				Num	%
Aberdeen	17,827	18,454	17,316	-1,138	-6%
Bel Air	27,837	27,808	28,442	634	2%
Belcamp	11,442	13,252	14,781	1,529	12%
Churchville	11,500	11,718	8,218	-3,500	-30%
Dublin-Darlington	5,593	5,790	6,605	815	14%
Edgewood	31,096	31,575	30,959	-616	-2%
Emmorton	34,649	34,940	34,391	-549	-2%
Fallston	16,381	16,528	17,855	1,327	8%
Forest Hill	20,348	20,368	24,292	3,924	19%
Havre de Grace	15,341	15,979	16,602	623	4%
Hickory-Fountain Green	17,726	17,625	16,545	-1,080	-6%
Jarrettsville	9,596	9,534	10,839	1,305	14%
Joppatowne	11,580	12,168	11,034	-1,134	-9%
Norrisville	3,941	3,983	3,465	-518	-13%
North Harford	7,753	7,811	7,794	-17	0%
Subtotal	242,610	247,533	249,139	1,606	1%
Aberdeen Proving Ground	2,216	2,492	3,083	591	24%
Total	244,826	250,025	252,222	2,197	1%

Source: U.S. Census Bureau, 2005 and 2019 & Harford County Dept of Planning and Zoning.

Recreation Council Areas



County policy also strongly encourages land preservation outside of the Development Envelope. Both the State of Maryland and Harford County have programs that preserve agricultural land through easements. The Harford County program also includes “agricultural districts” in which farmers voluntarily enroll for possible tax abatements, eligibility to have development rights purchased, and other benefits. Several other programs utilize easements and other means to preserve land, including the Rural Legacy Program and the Maryland Environmental Trust. The Agricultural Preservation section of this plan provides detailed information on these program efforts since the 2018 Plan.

Demographic Characteristics

Demographics describe the people of an area using statistics. The *2022 Harford County LPPRP* includes information on Harford County’s current and forecasted population, age, gender, income, and housing. Presentation and analysis of this information is needed by geographic area of the County. Where appropriate, the information is broken down and presented by recreation council service areas. Recreation councils are nonprofit organizations charged with assessing public needs, operating recreation programs, coordinating volunteer efforts, and requesting capital needs at recreation facilities throughout the County. Fifteen of the twenty recreation councils recognized by the Department of Parks and Recreation provide a variety of sports and other recreation activities for a defined geographic area. These areas are depicted on Map I–6 and utilized for discussion of the demographics at a community level. Some of the information is reported by recreation council, using the geography noted on Map I–6.

Table I–4: *Projected Population, Harford County, 2010-2030*

Recreation Council Area	2010	2015	2019	2025	2030	Change 2019-2030	
						Num	%
Aberdeen	17,827	18,454	20,917	22,388	23,843	2,926	14%
Bel Air	27,837	27,808	27,982	28,015	28,194	212	1%
Belcamp	11,442	13,252	13,274	14,119	15,016	1,742	13%
Churchville	11,500	11,718	12,225	12,596	13,015	790	6%
Dublin-Darlington	5,593	5,790	5,958	6,036	6,142	184	3%
Edgewood	31,096	31,575	32,223	32,586	33,092	869	3%
Emmorton	34,649	34,940	35,362	35,974	36,751	1,389	4%
Fallston	16,381	16,528	16,809	17,093	17,446	637	4%
Forest Hill	20,348	20,368	20,382	20,408	20,626	244	1%
Havre de Grace	15,341	15,979	17,893	18,742	19,672	1,779	10%
Hickory-Fountain Green	17,726	17,625	18,141	18,542	19,013	872	5%
Jarrettsville	9,596	9,534	9,806	9,971	10,178	372	4%
Joppatowne	11,580	12,168	12,529	12,965	13,456	927	7%
Norrisville	3,941	3,983	4,160	4,271	4,400	240	6%
North Harford	7,753	7,811	8,346	8,658	9,000	654	8%
<i>Subtotal</i>	242,610	247,533	256,007	262,364	269,844	13,837	5%
Aberdeen Proving Ground	2,216	2,492	2,663	2,736	3,276	613	23%
Total	244,826	250,025	258,670	265,100	273,120	14,450	6%

Source: U.S. Census Bureau, 2010 and 2019 & Harford County Department of Planning and Zoning.

At the time of this plan, only certain data from the 2020 Decennial Census had been released, including the current population county-wide. Where possible, the latest 2020 data has been utilized. Otherwise, this plan uses the latest available data - the American Community Survey 2015-2019 5-year estimates.

Table I-6: **Population Growth, Baltimore Metropolitan Counties, 2010-2020**

	Change: 2010-2020				
	2010	2015	2020	Num	%
Harford	244,826	250,025	260,924	16,098	6%
Anne Arundel	537,656	559,619	588,261	50,605	9%
Baltimore County	805,029	827,063	827,370	22,341	3%
Baltimore City	620,961	633,281	585,708	-35,253	-6%
Carroll	167,134	170,549	172,891	5,757	3%
Howard	287,085	311,168	332,317	45,232	15%
Total	2,662,691	2,751,705	2,767,471	104,780	4%

Source: U.S. Census Bureau and Baltimore Metropolitan Council & Harford County Dept. of Planning and Zoning.

Population

The total population of Harford County was 260,924 in 2020 (Table I-6). The population is larger in the southern portion of the County (e.g., Emmorton, Edgewood, Bel Air) in and along the development envelope near I-95 and proximity to the County seat of Bel Air (Table I-3).

Forest Hill, Dublin-Darlington, Jarrettsville, and Belcamp are the fastest growing recreation council areas since 2015, respectively, while Churchville and Norrisville have reduced the most in population. Several communities throughout the County experienced slower population growth due primarily to reduced household sizes associated with smaller families and an aging population (Table I-3).

Recreation Councils

Recreation councils are critical partners in the recreation system of Harford County. Harford County has a total of 20 recreation councils. Fifteen of the councils are based geographically⁴ the council is responsible for operating programs and scheduling facilities in a specific geographic section of the

County (Map I-6). The information concerning population and demographic characteristics that is presented throughout the rest of this chapter based on the recreation council boundaries that are depicted on Map I-6.

Emmorton, Edgewood, and Bel Air will continue to be the recreation council areas with the highest population through 2030 (Table I-4). Total County population is expected to increase by 6% by 2030. The largest numeric increases should occur in Aberdeen, Havre de Grace, Belcamp, Emmorton, and Joppatowne likely because of development in the I-95 corridor.

Past growth in Harford County has, not surprisingly, followed a pattern of expanding the existing urban areas, such as Bel Air, often along major transportation arteries, such as MD 24 or U.S. 1. As a suburb of the Baltimore metropolitan area, Harford County has been concerned with rapid growth for several decades. From 2010 to 2020, the County's population grew by 6%. While this growth rate is slower than previously expected, it is the third fastest growth rate in the Baltimore Metropolitan Counties. From 1990 to 2004, for example, the County's population grew by almost 30 percent, the second fastest rate among the six governments in the Baltimore Metropolitan Council. Larger future population will require more recreation resources—such as land, facilities, programmers, and funding sources—to meet greater demand for leisure activities.

Age

Age is a significant factor in recreation and parks planning. The recreation needs of young children and teens differ from those of adults and seniors. For instance, young children use playgrounds and often participate in activities and programming with their parents or guardians. School age children utilize a myriad of recreation activities, programs, and facilities, particularly sports or other team designed activities and programs. Adults and senior citizens spend more time participating in individually focused activities and programming, including pickleball, running, fitness, hiking, or biking on trails. Emmorton, Edgewood, and Bel Air—the three recreation council areas with the greatest total population—also have the greatest number of children, teens, young adults, and adults (Table I-7).

⁴ Council jurisdictions are general in nature. The boundaries shown on Map I-6 are approximate and not legally defined. Furthermore, all programs are open to all County residents.

Table I-7: Population By Age, Harford County, 2010 - 2019

Recreation Councils	Children (0-9 years)				Teens (10-19 years)				Young Adults (20-39 years)				Adults (40-64 years)				Seniors (65+)			
	2010	2019	Diff	% CH	2010	2019	Diff	% CH	2010	2019	Diff	% CH	2010	2019	Diff	% CH	2010	2019	Diff	% CH
Aberdeen	2,323	2,381	58	3%	2,436	2,321	(115)	-5%	4,352	4,757	405	9%	6,267	6,574	307	5%	2,449	2,690	241	10%
Bel Air	3,148	3,340	192	6%	3,753	3,772	19	1%	6,570	6,648	78	1%	9,876	10,269	393	4%	4,492	4,722	230	5%
Belcamp	1,729	1,899	170	10%	1,438	1,513	75	5%	3,661	4,076	415	11%	3,686	4,158	472	13%	927	1,107	180	19%
Churchville	1,185	1,145	(40)	-3%	1,669	1,751	82	5%	1,931	2,067	136	7%	4,810	4,980	170	4%	1,905	2,047	142	7%
Dublin-Darlington	578	612	34	6%	736	670	(66)	-9%	1,116	1,183	67	6%	2,225	2,344	119	5%	938	1,065	127	13%
Edgewood	5,021	4,870	(150)	-3%	4,584	4,925	341	7%	8,859	9,138	280	3%	10,002	10,522	520	5%	2,630	2,902	272	10%
Emmorton	5,004	5,060	57	1%	4,685	4,823	138	3%	9,618	9,888	271	3%	11,923	12,321	398	3%	3,421	3,834	413	12%
Fallston	1,802	1,658	(144)	-8%	2,414	2,617	203	8%	2,653	2,918	265	10%	6,790	6,845	55	1%	2,723	2,951	228	8%
Forest Hill	2,483	2,553	70	3%	3,253	3,235	(18)	-1%	4,052	4,257	205	5%	7,785	7,918	133	2%	2,776	3,040	264	10%
Havre de Grace	1,714	1,712	(2)	0%	1,986	1,923	(63)	-3%	3,398	3,664	266	8%	6,002	6,206	204	3%	2,240	2,646	406	18%
Hickory-Fountain Green	2,532	2,590	58	2%	3,268	3,249	(19)	-1%	3,696	3,732	36	1%	6,765	7,063	298	4%	1,464	1,617	153	10%
Jarrettsville	910	992	82	9%	1,403	1,366	(37)	-3%	1,639	1,853	214	13%	4,218	4,098	(120)	-3%	1,425	1,564	139	10%
Joppatowne	1,374	1,413	39	3%	1,449	1,506	57	4%	2,900	3,234	334	12%	4,342	4,371	29	1%	1,516	1,729	213	14%
Norrisville	384	363	(21)	-6%	603	559	(44)	-7%	705	829	124	18%	1,688	1,713	25	1%	561	624	63	11%
North Harford	783	786	3	0%	1,184	1,134	(50)	-4%	1,533	1,652	119	8%	3,160	3,155	(5)	0%	1,093	1,298	205	19%
Subtotal	30,969	31,375	406	1%	34,861	35,365	504	1%	56,682	59,898	3,216	6%	89,539	92,536	2,997	3%	30,559	33,836	3,277	11%
Aberdeen Proving Ground	358	416	58	16%	488	476	(12)	-3%	1,147	1,124	(23)	-2%	218	393	175	80%	5	23	18	351%
Total	31,327	31,791		1%	35,349	35,840		1%	57,829	61,022		6%	89,757	92,929		4%	30,564	33,859		11%

Source: U.S. Census Bureau, 2010, 2015 5-year ACS and 2019 5-year ACS & Harford County Department of Planning and Zoning.

Table I-8: Median Age

Recreation Council Area	Change: 2015-2019				
	2010	2015	2019	Difference	%
Aberdeen	38.1	40.0	43.2	3	8%
Bel Air	41.1	41.8	42.3	1	1%
Belcamp	33.3	34.3	40.6	6	18%
Churchville	43.8	45.1	45.6	1	1%
Dublin-Darlington	44.0	45.7	47.0	1	3%
Edgewood	32.7	33.8	37.0	3	9%
Emmorton	35.1	36.0	40.8	5	13%
Fallston	44.7	44.4	46.9	3	6%
Forest Hill	41.2	41.6	42.4	1	2%
Havre de Grace	42.3	43.8	46.8	3	7%
Hickory-Fountain Green	35.7	37.8	41.2	3	9%
Jarrettsville	44.8	43.6	45.6	2	5%
Joppatowne	40.4	38.3	41.4	3	8%
Norrisville	44.0	44.2	43.7	-1	-1%
North Harford	42.9	43.9	44.2	0	1%
Aberdeen Proving Ground	24.3	26.8	24.8	-2	-7%
Median	41.2	41.7	42.8	1	3%

Source: U.S. Census Bureau, 2010 Decennial, 2015 5-year ACS and 2019 5-year ACS.

Table I-10: Housing Units

Recreation Council Area	Change: 2015-2019				
	2010	2015	2019	Difference	%
Aberdeen	7,424	7,686	7692	6	0%
Bel Air	11,717	11,748	12140	392	-3%
Belcamp	4,725	5,490	6472	982	-15%
Churchville	4,348	4,424	3070	-1,354	44%
Dublin-Darlington	2,254	2,284	2611	327	-13%
Edgewood	11,789	11,974	11860	-114	1%
Emmorton	13,630	14,233	14099	-134	1%
Fallston	5,995	6,090	6558	468	-7%
Forest Hill	7,441	7,490	8927	1,437	-16%
Havre de Grace	6,858	7,170	7577	407	-5%
Hickory-Fountain Green	5,930	6,194	5977	-217	4%
Jarrettsville	3,532	3,555	3828	273	-7%
Joppatowne	4,704	4,996	4726	-270	6%
Norrisville	1,465	1,524	1185	-339	29%
North Harford	2,875	2,969	2752	-217	8%
Subtotal	94,687	97,827	99474	1,647	-2%
Aberdeen Proving Ground	867	867	1122	255	-23%
Total	95,554	98,694	100,596	1,902	2%

Source: U.S. Census Bureau, 2010 Decennial, 2015 5-year ACS and 2019 5-year ACS & Harford County Dept. of Planning and Zoning

Table I-9: Gender

Gender	Harford County						Maryland					
	2010		2015		2019		2010		2015		2019	
	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Male	119,615	49%	124,293	50%	124,765	49%	2,799,597	48%	2,912,348	48%	2,928,013	48%
Female	125,562	51%	125,997	50%	130,676	51%	2,986,385	52%	3,094,053	52%	3,117,667	52%
Total	245,177		250,290		255,441		5,785,982		6,006,401		6,045,680	

Source: U.S. Census Bureau, U.S. Census Bureau, 2010 Decennial, 2015 5-year ACS and 2019 5-year ACS..

Changes in the age of a population will also modify the area’s recreation needs. Age changes are illustrated by the change in the number of people in a specific age group. From 2010 to 2019:

- All age populations saw an increase, but the biggest increase was among seniors (11%) and young adults (6%). The population of children, teens, and adults, only saw a small to moderate increase.
- Belcamp had the largest increase in number of children (age 0–9), followed closely by Jarrettsville. Fallston and Norrisville had the largest decreases.
- Half of the recreation council areas had an increased number of teens (age 10–19), with half of the recreation council areas experiencing a decrease.
- Norrisville had the greatest increase in the number of young adults (age 20–39). Bel Air and Hickory-Fountain Green has the smallest increase in the number of young adults. None of the recreation councils lost population in young adults.
- Almost every recreation council area had an increased number of adults (age 40–64). Belcamp, Dublin-Darlington, and Edgewood had the greatest increases. Jarrettsville was the only recreation council area with a decrease in the number of adults.
- Every recreation council area had an increased number of seniors (age 65 and over). Belcamp, North Harford, and Havre de Grace experienced the largest increases.
- The population of the Aberdeen Proving Ground (APG) has significantly different age characteristics than the remaining population of Harford County.

Age changes can be broadly identified by changes in the median age of a population. The median age is the “middle” age: exactly half of the population is older than the median, and half is younger. If the median age increases, it indicates that the population is getting older. If the median age decreases, it indicates that the population is getting younger. Generally, the age of the Harford County population has increased since the 2010 Census (Table I–8). The recreation council areas with the highest median age are Dublin-Darlington, Fallston, Havre de Grace, and Churchville. The areas with the lowest median age are Edgewood, Belcamp, and Emmorton. The difference in age between the

Table I–11: Harford County Median Household Income

Recreation Council Area	Median Household Income	Relative to County Median
Aberdeen	\$52,580	(\$27,885)
Bel Air	\$80,850	\$385
Belcamp	\$80,483	\$18
Churchville	\$99,414	\$18,949
Dublin-Darlington	\$68,371	(\$12,094)
Edgewood	\$61,123	(\$19,342)
Emmorton	\$88,336	\$7,871
Fallston	\$103,810	\$23,345
Forest Hill	\$94,371	\$13,906
Havre de Grace	\$71,184	(\$9,281)
Hickory-Fountain Green	\$109,442	\$28,977
Jarrettsville	\$102,793	\$22,328
Joppatowne	\$69,286	(\$11,179)
Norrisville	\$92,829	\$12,364
North Harford	\$79,527	(\$938)
Aberdeen Proving Ground	\$82,076	\$1,611
Total	\$80,465	\$4,593

Source: U.S. Census Bureau, 2010 and 2019 & Harford County Dept. of Planning and Zoning

population of the APG and the remainder of Harford County is evident in the median age: 24.8 for APG, 42.8 for the remainder of the County.

Gender

Gender has traditionally been an important consideration in recreation. In recent years, both males and females are increasing participation in recreational activities. The proportion of females in both Harford County and the entire State increased slightly from 2010 to 2019 (Table I–9). Harford has slightly larger proportion of males compared to the State.

Housing

Housing stock is also growing in Harford County (Table I–10). As expected, the recreation council areas that have the greatest population (Emmorton, Edgewood, Bel Air) also have the largest housing stock. Conversely, the recreation council areas with the smallest population (Norrisville, North Harford, Dublin-Darlington) also have the fewest housing units.

The almost 15% growth seen in housing stock between 2000 and 2015 has slowed to only 5% between 2010 and 2019, which is lower than the growth in population (Table I–6), which was 6% during the same time period.

Income

Income can affect ability to participate in specific types of recreation, as well as the ability of recreation councils to fundraise. The recreation councils set fees for organized programs to cover instructors, referees, and basic equipment. However, some activities require more personal equipment than others which can be a prohibitive expense for lower-income residents. Areas of higher income in Harford County are Hickory-Fountain Green, Fallston, Jarrettsville, and Churchville (Table I–11). Recreation council areas of lower income are Aberdeen, Edgewood, Dublin-Darlington, and Joppatowne.

Planning Framework

Introduced in the *1977 Harford County Master Plan*, the concept of the Development Envelope is the foundation for the planning policies of Harford County. The Development Envelope defined a geographic area for planned development—generally, the east-west corridor defined by I-95/ U.S. 40 and the MD 24 corridor north to Bel Air. Within the Development Envelope, public water and sewer services would be provided and more intense development focused. Other community facilities, such as roads, schools, and parks and recreation would be constructed to serve the increased population. The concept was reinforced by the land use plans in 1988 and 1996, with minor modifications to the boundaries. The *2004 Master Plan and Land Use Element Plan* reconfirmed the Development Envelope as the Designated Growth Area and identified the need for revitalization and growth management efforts within the area.

The *HarfordNEXT County Master Plan* identified an overall Plan, Goals, and series of Guiding Principles. These Guiding Principles form the foundation for the Land Use Element Plan and in effect provide Harford County's vision for sustainability through growth management and resource conservation.

Outside the Development Envelope, preserving the rural character and the agricultural resources of the County has long been an integral part of the planning policies for Harford County. Agricultural preservation efforts coupled with agricultural economic development efforts have been a cornerstone of the master plan.

The County Master Plan and its functional elements integrate County policies regarding agricultural preservation, natural resource conservation, and parks/recreation to preserve community character. The plans establish the Development Envelope, focusing development within this area while preserving the rural character outside of the Development Envelope. Plan policies are written with a strong underlying environmental protection ethic and establish resource preservation as a high priority throughout the County. Furthermore, parks/recreation/open space policies are critical to community desirability for the entire County population.

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Cedar Lane Park and Fields

Chapter II: Recreation, Parks, and Open Space Analysis

Introduction

Parks, recreation, and open space are key components of a community's quality of life. As part of the Baltimore, MD metropolitan area, Harford County has developed an outstanding parks and recreation system to serve its growing population. The Harford County Department of Parks and Recreation, along with the leadership of Harford County Government, a strong partnership of County, Public Schools, and municipal governments, local recreation councils and other public and private organizations, has developed a County-wide system to meet the leisure service needs and interests of residents. With the addition of private fundraising and volunteer assistance, as well as State and Federal funding programs, the recreation opportunities are far more extensive than those which could be provided by County resources alone. The County's park system and recreation programs, in partnership with local recreation councils, have provided residents with constructive, life-enriching leisure and educational activities. The following chapter comprises the Recreation, Parks, and Open Space Element of the 2022 Land Preservation, Parks and Recreation Plan.

The Harford County public recreation system is comprised of sites owned by municipal, County, State, and Federal government, and the Harford County Board of Education (Map II-1). The public system includes the following areas and facilities:

- 185 sites
- 14,062.9 acres of land
- 8 Activity/Recreation Centers
- 2 Nature Centers
- 185 baseball/softball diamonds
- 201 multisport fields
- 84 outdoor basketball courts
- 96 indoor basketball courts
- 140 playgrounds
- 92 sites with picnic facilities
- 37 pavilions
- 5 swimming pools
- 8 volleyball courts
- 46.55 miles of trails
- 8 large boat ramps
- 6 small boat ramps
- 246 boat slips
- 15,581 feet of shore-line for fishing
- 6 ponds
- 17 sites with water access
- 7,661 parking spaces
- 83 tennis courts
- 1,500 feet of beach

As discussed in Chapter 1, the land in Harford County is developed along two highway corridors (Map I-5):

- I-95/US 40, an east-west corridor through the southern part of the County
- MD 24, a north-south corridor from I-95 to the Bel Air area

The County has identified a “Development Envelope”, anchored by the two corridors. County policy strongly encourages development to take place within the Development Envelope to make maximum, efficient use of public infrastructure, including water and sewer services, and roads. This development pattern has resulted in higher population density inside the Development Envelope.

The US Census Bureau defines “urban” and “rural” areas in terms of population density:¹

- For the 2010 Census, an urban area will comprise a densely settled core of census tracts and/or census blocks that meet minimum population density requirements, along with adjacent territory containing non-residential urban land uses as well as territory with low population density included to link outlying densely settled territory with the densely settled core. To qualify as an urban area, the territory identified according to criteria must encompass at least 2,500 people, at least 1,500 of which reside outside institutional group quarters. The proposed changes to the “urban” classification for the 2020 Census were not yet approved upon completion of this Plan. The Census Bureau identifies two types of urban areas:
 - » Urbanized Areas (UAs) of 50,000 or more people;
 - » Urban Clusters (UCs) of at least 2,500 and less than 50,000 people.
- The urban development pattern in Harford County is centered on the Development Envelope (Map I–5).
- “Rural” encompasses all population, housing, and territory not included within an urban area.

Urban and rural areas typically have different recreation needs. Urban areas frequently have a sizeable population to participate in activities, but the denser development pattern makes land for recreation facilities much scarcer and more valuable than in rural areas. In contrast, rural areas often have sufficient land for recreation facilities. However, the facilities often have only a small nearby service population, and many users must travel significant distances to use the facilities.

The population of Harford is more rural than in other parts of Maryland (Table I–1). However, Harford County increased in urban population and decreased in rural population since 2010, while state-wide, Maryland did the opposite. In Harford, as elsewhere in the nation, the urban area continues to increase as the rural area decreases. One of the primary reasons for the increase in urban population is the location near to public services, such as recreation.

For purposes of the 2022 LPPRP, level of service analysis concerning parks and recreation facility locations will focus most often on parks and facilities inside the Development Envelope and outside the Development Envelope. Within the Development Envelope a radius of 1/2-mile is used to indicate opportunities in the existing recreational system. This approach is consistent with State and HarfordNEXT goals encouraging walkable communities and strategic locations for parks and amenities in support of making these communities more desirable places to live, work, play and visit. Outside the Development Envelope a 5-mile radius is used to indicate opportunities in the existing recreational system. This radius coincides with a convenient 15-minute drive to specific locations.

Harford County is working to meet the changing needs for recreation facilities in the County. County priorities are discussed later in this chapter, which also includes a capital program for land acquisition, capital development, and facility rehabilitation.

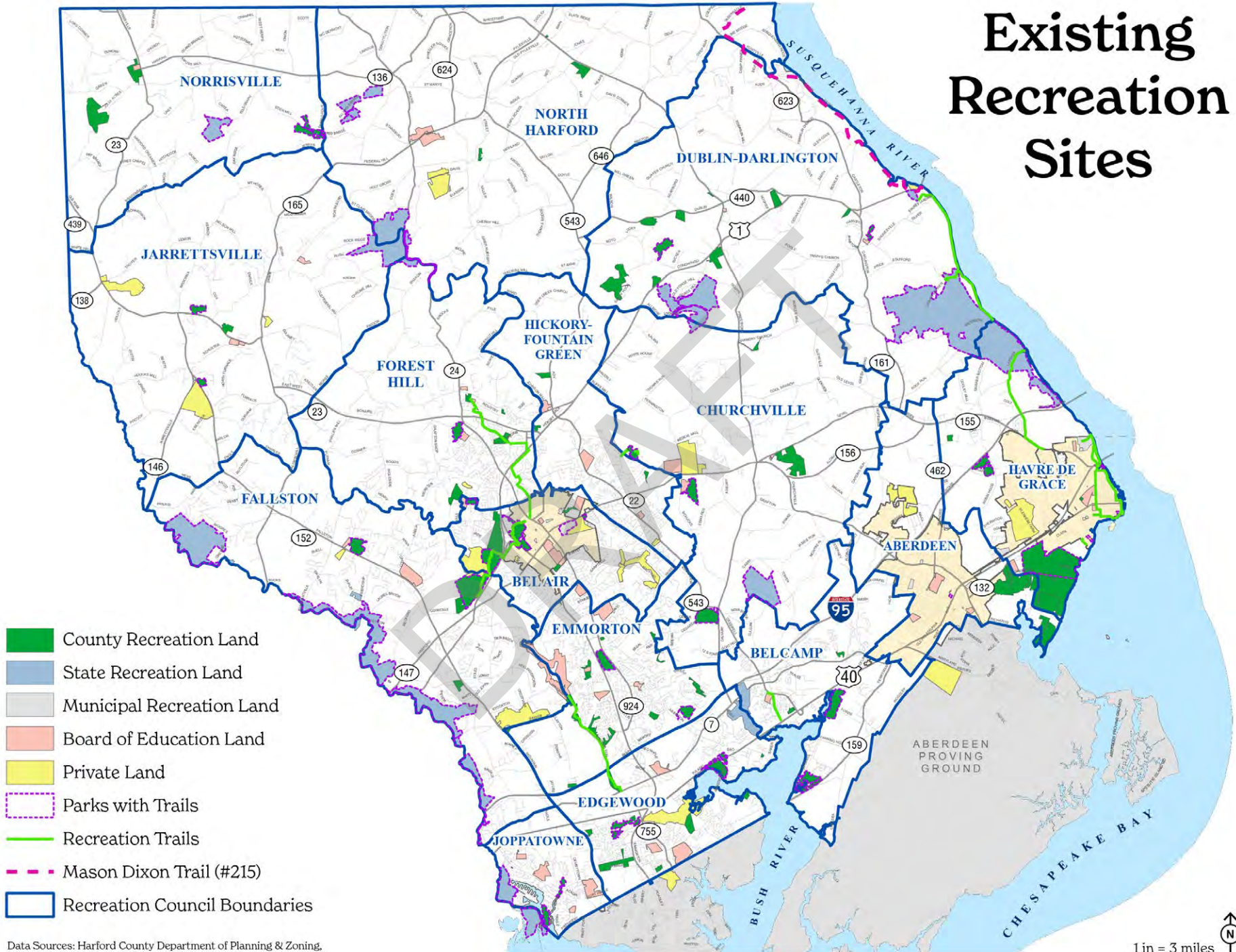
Recreation Programs

Recreation programs in Harford County are provided through the 20 separate recreation councils and the County. The offerings cover a full range of programming listed in Figure II–1.

The Harford County Department of Parks and Recreation and the recreation councils offer programs for all ages and ability levels. Activities include programs that meet on a regular basis during a season/session, such as classes and team sports programs. Recreation council activities are offered to serve area residents, although all programs are open to all County residents (if, for instance, a desired program is not offered in the participant’s home council). Other activities and events are operated by the professional staff of the Harford County Department of Parks and Recreation.

¹ Definitions taken from the Census website available at: <https://www.census.gov/programs-surveys/geography/guidance/geo-areas/urban-rural.html>

Existing Recreation Sites



Data Sources: Harford County Department of Planning & Zoning.

1 in = 3 miles



Figure II-1: *Recreation Programs*

Recreation Programs

- Aerobics
- Archery
- Arts & Crafts
- Arts Camp
- Badminton
- Ballet, Tap, Jazz
- Baseball (Youth & Adult)
- Basketball (Youth & Adult)
- Baton
- Before/After School Program
- Board Games
- Bocce
- Bowling
- Bridge
- Card Games
- Canoeing
- Cheerleading
- Chesapeake Bay Programs
- Chess
- Community Band
- Community Chorus
- Computer Lab
- Concerts
- Dance (Ballroom, Clogging, Line, Square)
- Disc Golf
- Drama
- Eden Mill Tour
- Environmental Activities/Games
- E-Sports
- Etiquette
- Fencing
- Festivals
- Field Hockey
- Fitness Camp (Youth)
- Fitness (Adult)
- Fitness Room
- Flag Football
- Football
- Golf
- Gymnastics
- Hiking
- Holiday Celebrations
- Homeschool programming
- Horseback Riding Lessons
- Horseshoes
- Indoor Soccer (Youth & Adult)
- Jazzercise
- Jump Rope Club
- Kayaking
- Lacrosse (Youth & Adult)
- Martial Arts
- Model Airplane Flying Club
- Native American Programs
- Nature Center Exhibits
- Nature Programs
- Performing Arts
- Pickleball
- Pointe
- Preschool programs
- Rock Wall Climbing
- Roller Hockey (In Line)
- Rugby
- Scrapbooking
- Scuba Diving
- Senior Citizen Clubs
- Ski Clubs/Trips
- Soccer (Youth & Adult)
- Softball (Youth & Adult)
- Sports Conditioning
- Start Smart
- STEM (Robotics)
- Step Aerobics
- Stream Studies
- Summer Recreation Center
- Swim (Youth & Adult)
- Teen Program
- Teen Youth Center
- Tennis (Youth & Adult)
- Therapeutic Recreation
- Track & Field
- Volleyball (Youth & Adult)
- Water Aerobics
- Weightlifting
- Wrestling
- Yoga
- Youth Center
- Zumba

Most of the programs are run through the recreation councils, each of which is incorporated as a 501(c)(3) nonprofit corporation. Registration fees collected for the programs and other fundraisers must cover program costs, such as referees/umpires, instructors, and equipment. The recreation councils may also supplement departmental maintenance activities and do small capital projects.

Recreation Councils

Recreation councils are critical partners in the recreation system of Harford County. Recreation councils are independent nonprofit organizations that focus on assessing public needs, operating recreation programs, coordinating volunteer efforts, and identifying capital needs at recreation facilities throughout the County. Each council conducts fundraising, submits requests to the County for capital projects, and maintains its own officers and administrative structure. Council activities are coordinated through monthly meetings of the various recreation councils. The presidents of the recreation councils meet as a group regularly to address common issues and provide input on department initiatives and the capital budget. The Harford County Department of Parks and Recreation sets rules and regulations as operating guidelines for the recreation councils.

Harford County has a total of 20 recreation councils. Fifteen of the councils are based geographically²—the councils are responsible for operating programs and scheduling facilities in a specific geographic section of the County (Map II-2).

Five councils are based functionally—the councils are responsible for operating programs and promoting a single, major, unique recreation site:

- Anita C. Leight Estuary Center (environmental education center)
- Eden Mill Nature Center (environmental education and industrial history center)
- Equestrian Center Committee (equestrian, agricultural, and other community- based events)
- ACPR Gymnastics Council (countywide gymnastics focused program)
- Tollgate Woodshop (countywide wood-working facility and programming)

The recreation councils have a significant impact on the leisure services offered to Harford County residents. In 2019, recreation councils accounted for 417 programs with more than 160,000 registrants (Table II-1). Council budgets ranged from zero to a high of more than \$1 million. Compared to before the COVID-19 pandemic, these numbers are fairly consistent with the numbers reported in the 2018 LPPRP. Harford County also has great support from volunteers. More than 22,000 volunteers logged over 560,000 hours of time to assist in recreation council activities. It is likely the figures in Table II-1 understate the extent of council activity because of informal, and possibly inconsistent, volunteer registration. Clearly, volunteerism is alive and well in Harford County, and the recreation councils remain a vital part in meeting the leisure service needs of County residents.

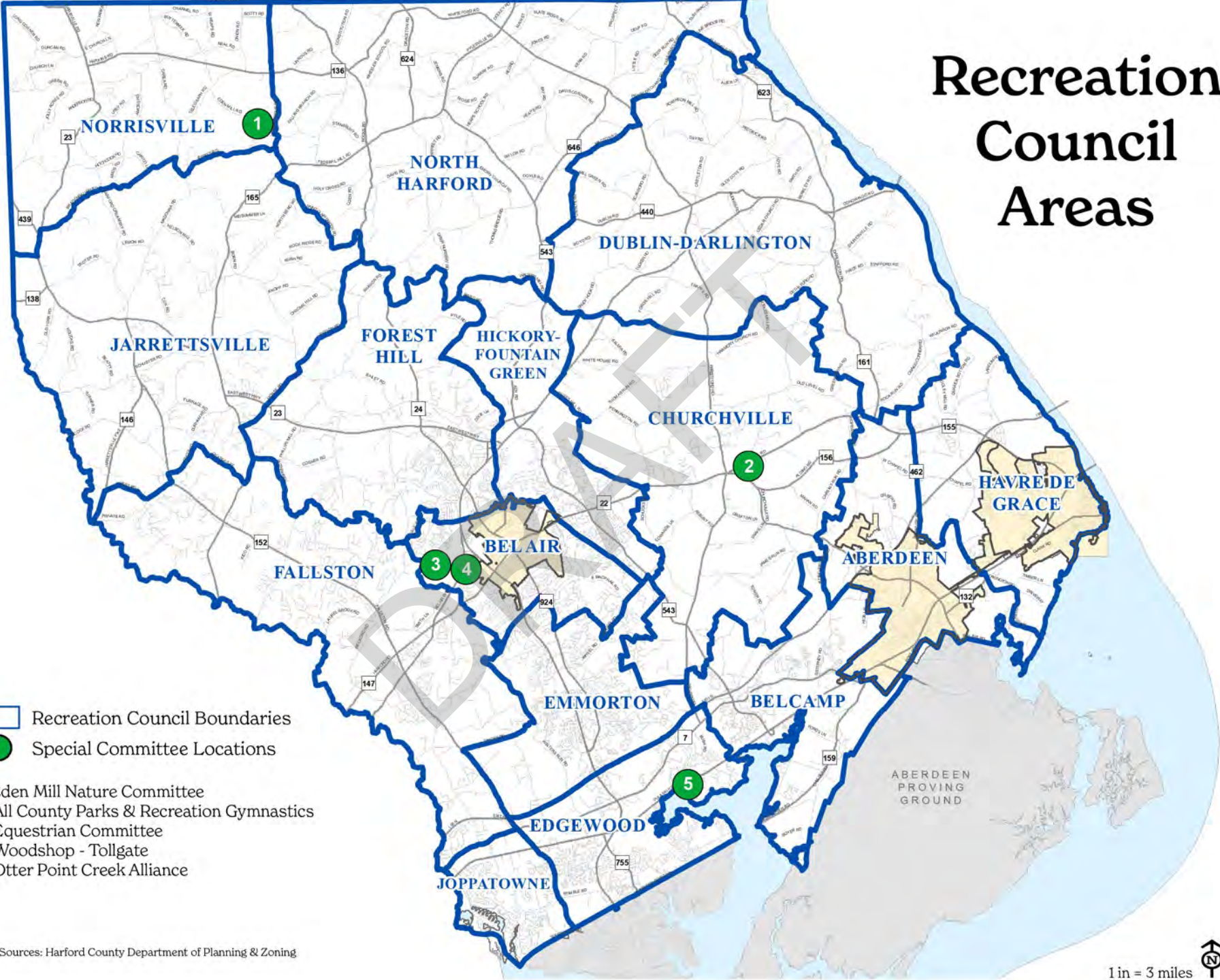
Table II-1: Recreation Council Activity, 2018–2021

	FY2018	FY2019	Change, 2018 to 2019		FY2020	FY2021	Change, 2020 to 2021	
			Number	%			Number*	%*
Programs	387	417	30	8%	314	208	(106.00)	-34%
Registrants	157,628	161,230	3,602	2%	49,969	31,653	(18,316.00)	-37%
\$\$ Raised & Spent	\$6,587,516	\$7,012,516	\$425,000	6%	\$6,127,253	\$4,527,318	\$(1,599,935)	-26%
# of Volunteers	22,648	22,387	-261	-1%	11,687	5,273	(6,414.00)	-55%
Vol. Hrs.	603,073	560,602	-42471	-7%	399,247	262,645	(136,602.00)	-34%

*Negative trend due to COVID-19 pandemic impact on programming. Source: Harford County Department of Parks and Recreation

² Council jurisdictions are general in nature. The boundaries shown on Map 2.2 are approximate and not legally defined. Furthermore, all programs are open to all County residents.

Recreation Council Areas



Coronavirus Pandemic Impacts

As shown in Table II–1, the Coronavirus Pandemic clearly impacted organized program activities in Harford County. During the first several months of the pandemic, the Department developed protocols to provide for programming and worked with our recreation council partners as they developed protocols for their programs at County parks and facilities. While all programs were impacted throughout the pandemic, indoor programming experienced the most significant impacts. Department facilities were closed to the public for several months during the start of the pandemic in March 2020 and during the first surge of the pandemic starting in November 2020. HCPS facilities also were closed to the parks and recreation programming starting in March 2020. While restrictions concerning outdoor use of HCPS sites eased during the fall of 2020, indoor use of HCPS facilities was not available until late in 2021. Many winter programs lost at least one entire season due to the limited indoor space. As of the drafting of the 2022 LPPRP, use of County and HCPS buildings and outdoor space for programming has returned to pre-pandemic availability.

While organized programming use was down during the Coronavirus pandemic, outdoor park use by the general public increased significantly. With private facilities shut down for several months starting in March of 2020, outdoor parks and trails became a primary option for the public to get outside and exercise. While the Department does not currently have an accurate way to track park use at most locations, several pieces of anecdotal evidence support the marked increase in public use of park sites. Trash pickup at most sites saw an increase in the amount of trash that was being picked up despite no organized programming at the start of the pandemic and limited programming at times throughout the pandemic. Department staff reported increased use of park sites, particularly during mid-day hours, during their weekly park site inspections. The Department headquarters is located on the Ma & Pa Trail at the Tollgate trailhead and staff working at that office saw a marked increase in the number of cars at this site. Prior to the pandemic, approximately 10 to 15 cars per workday was common for trail users. During the first six months of the pandemic the 75-car parking lot was typically filled to overflowing with citizens coming to use the trail.

Role of Private Facilities

The provision of recreation facilities is not solely the responsibility of the government. Private entrepreneurs, membership clubs, nonprofit organizations, and homeowner's associations are key components in recreational opportunities for the Harford County citizens. The private sector meets many recreation needs through daily fee facilities, such as the public golf courses and driving ranges, which are privately owned and operated. Private facilities often work with the department to offer programs, including Senior Olympics and Junior Golf. Swim and tennis clubs and athletic clubs provide facilities to members and may be operated as either nonprofit or for-profit enterprises. Semipublic and private entities help meet the current recreation demand in Harford County. Recreation Council swimming programs have been offered at Edgewood, North Harford, and Magnolia Middle Schools. Additionally, the Aberdeen Family Swim Center and the Conowingo Pool, owned and operated by Exelon Power near the Conowingo Dam offer public recreation opportunities.

Harford County, through County Code, zoning requirements, and the Development Advisory Committee review process, known as DAC, require active open space areas and amenities for residential subdivisions as part of the development process. Community open space and facilities, owned and maintained by neighborhood homeowner's associations (HOA), can address many of the needs for informal play areas, small playgrounds, neighborhood trails, pavilions, neighborhood fields and natural open space. In some communities, swimming pools, tennis courts, and other permanent recreation amenities serve large residential neighborhoods. While these neighborhood active recreation areas are used primarily by neighborhood residents, their presence helps address the overall recreational needs Harford County and improve the quality of life of County citizens.

None of the private sector facilities nor the HOA-owned neighborhood active open space properties are included as part of the Needs Analysis, the Proximity Analysis, or the Park Equity Analysis that begins on page 52. Not including HOA-owned neighborhood active open space areas, arguably downplays the recreational importance of these areas to neighborhood residents. Map II–21 on page 79 shows if these areas are included as part of the proximity and equity analysis. Some of the current public recreation gaps inside the County's development envelope begin to be addressed; including areas north and west

of the Town of Bel Air; areas on the east side of the Route 24/924 portion of the Development Envelope including areas of Emmorton and Fountain Green; areas along the Route 40 corridor including the communities of Abingdon and Belcamp. Some of the current Park Equity gaps inside the County’s development envelope begin to be addressed; including areas on the east side of the Route 24/924 portion of the Development Envelope including areas of Emmorton and Fountain Green; areas along the Route 40 corridor including the communities of Abingdon and Belcamp.

Table II–2: Recreation Council Survey Participation compared to total population

Recreation Council	% of total responses	% of total population
Aberdeen	3%	11%
Bel Air	16%	14%
Belcamp	2%	7%
Churchville	6%	13%
Dublin-Darlington	3%	3%
Edgewood	10%	5%
Emmorton	4%	8%
Fallston	9%	5%
Forest Hill	9%	4%
Havre de Grace	6%	5%
Hickory-Fountain Green	6%	7%
Jarrettsville	5%	2%
Joppatowne	16%	6%
Norrisville	2%	2%
North Harford	4%	7%

Source: Harford County Department of Parks and Recreation 2022 User Survey

Public Participation

The 2022 Harford County Land Preservation, Parks, and Recreation (LPPRP) survey was conducted online using SurveyMonkey. It was promoted across many platforms including the County’s Park and Recreation Facebook (1,700K followers), as well as through the email lists of each of the Recreation Councils. The survey was open for the entire month of November and collected 1,616 responses from across the County.

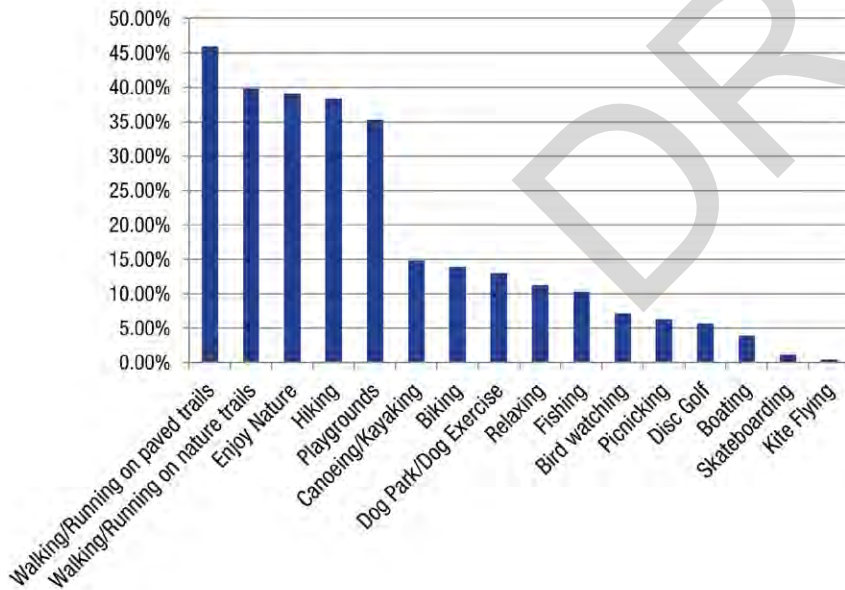
The survey was organized into the following sections: Recreation Councils, Nature Programs, Senior Citizen Programs, Therapeutic Recreation Programs, Park Visitation, Sports Programs, General Participation and Programs, and Budget and Program Satisfaction.

Highlights from the survey results include:

- The recreation council areas with the most response were Bel Air (16%) and Joppatowne (16%) For a full breakdown and comparison to the larger population, see Table II–2.
- Nature Programs:
 - » 44% of survey respondents participated in nature programs in the past five years.
 - » The top two places where people participate were Eden Mill Nature Center (57.2%) and Anita C. Leight Estuary Center (56.5%).
 - » The majority of people (69.5%) participated in 1-4 nature programs.
- Senior Citizen Programs
 - » 21.4% of survey respondents registered for senior citizen programs in the past five years.
 - » Most people either participated 26 or more times a year (38%) or participated 1-5 times per year (36.8%).
 - » When asked where people who like to see new senior center facilities, 39.7% said “none of the above.” Of the locations, the top four were Joppatowne (18%), Bel Air (12.8%), and Forest Hill (9.8%), and Fallston (9.6%).
- Therapeutic Recreation Programs
 - » Only 6% of survey respondents participate in therapeutic recreation programs.

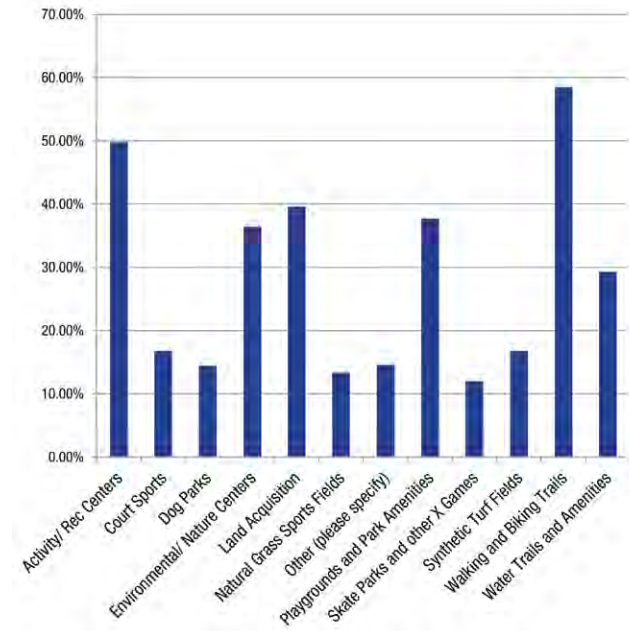
- » Of those people, 59.5% participated 1-5 times in the past five years.
- » The majority of participants were over 18 years of age. 36.4% of respondents were 36 years and older, 31.8% were 18 to 25, 30.7% were 11 to 17, and 18.2% were 5 to 10 years old.
- » The four top therapeutic recreation activities people would like to see offered were exercise programs (49%), cooking programs (37.8%), mental health and emotional wellbeing (37.8%), and arts and crafts (33.8%).
- Park Visitation
 - » 96% of survey respondents visited a Harford County park or facility in the past five years.
 - » Most people (44.8%) said that they visit the parks for activities 26 or more times a year or 11-25 times (24%).
 - » The top five activities during a visit to a park were walking/running on paved trails (46%), walking/running on nature trails (39.8%), enjoying nature (39.1%), hiking (38.3%), and playground (35.3%) (Figure II-2).

Figure II-2: **What were your top three activities during your visits?**



- Sport Programs
 - » 56.5% of survey respondents registered for team or individual sports in the past five years.
 - » Of the people who registered, 50.3% participated 1-4 times, 21.5% participated 5-9 times, 12.8% participated 10-14 times, and 15.3% participated 15 or more times.
 - » For people under 18 years old, the top choice for additional sports programs was none of the above (21.1%). The next most population choices were canoeing/kayaking (19.9%), archery (18.7%), fitness (aerobics and yoga) (16.2%), indoor soccer (14.4%), soccer (13.4%), and gymnastics (13.3%).
 - » For people over 18, the top choices were fitness (aerobics and yoga) (32%), canoeing/kayaking (25%), pickleball (22.1%), none of the above (18.6%), and archery (15.3%).

Figure II-3: **Pick the top 4 items you think should be budget priorities for spending over the next 10 years. Please choose four.**



- Participation and Programming
 - » Lighting: 88.5% of people support lighting of athletic fields and courts in their community, 11.5% do not.
 - » Limiting participation: The biggest limiting factor was the time/day of programs (42.8%). The second highest choice was “other” (30.6%), followed by proximity to programs (25.7%), and lack of interest in what is offered (16.9%). The question did not include a “none of the above” so many of the answers in “other” were “nothing is limiting my participation”. Some of the other most common answers for “other” included:
 - › COVID-19
 - › They fill up quickly
 - › Lack of knowledge/awareness about the programs
 - › Lack of time/ too busy
 - › Not enough programming
 - › Lighting for fall and winter afternoon/evening games
 - › Accessibility via walking and biking
 - › Number of facilities
 - › Disabilities
- Preferred day and time: The most preferred time was weekday evening (after 5pm) (59.5%), followed by weekends daytime (53.70%), weekday daytime (28.2%), weekends evening (25.5%), and no preference (14.4%).
 - » Method to get information: Most people are getting their information from Facebook/social media (51.5%) or word of mouth (48.1%). The next most common answers were the County website (41.7%), email (36.1%), flyers (11%), and “other” (4.6%). Some of the “other” common answers included:
 - › Recreation Council websites
 - › Schools (information sent home, marquee, handouts)
 - › Newsletters
 - › Internet/google search
 - › At the Recreation Center
- » Additional facilities: The top four additional facilities people would like to see are nature walking trails (unpaved) (33.9%), activity/recreation centers (31.6%), swimming pools (29.6%), and paved walking and biking trails (27.9%).
- » Additional programs: The top four additional programs people would like to see offered included: Youth (age 6-18) Outdoor Adventure programs (ropes course/climbing wall) (39.9%), Youth (age 6-18) Environmental/Nature programs (37%), Youth (age 6-18) Summer Camps (33%), and Adult (age 18+) Environmental/Nature programs (32.2%).
- Budget and Program Satisfaction
 - » Budget priorities: The top four budget priorities for the next 10 years were: walking and biking trails (58.5%), activity/recreation centers (49.8%), land acquisition (39.6%), and playgrounds and park amenities (36.4%) (Figure II-3).
 - » Facility satisfaction: The large majority of people are either very satisfied (19.2%) or satisfied (50.8%) with the facilities in Harford County.
 - » Program satisfaction: The majority of people are either very satisfied (14.2%) or satisfied (47.7%) with the programs in Harford County.

Parks and Recreation Goals of 2018 Land Preservation, Parks, and Recreation Plan

The 2013 Harford County Land Preservation, Parks, and Recreation Plan established the following goals for the Parks and Recreation portion of the plan:

- PR-1 Acquire additional recreation land, including waterfront properties, to help meet the needs of current and future residents.
- PR-2 Develop integrated greenway, land, and water trail systems with both public and private segments.
- PR-3 Monitor usage trends, improve existing facilities, develop complementary facilities, and add recreational opportunities and facilities that meet the needs of all segments of the public as well as support the destination recreation/sports tourism market.
- PR-4 Provide active and healthy lifestyle opportunities for Harford County residents.
- PR-5 Work with Recreation Councils to continue to address the safety of recreation program participants
- PR-6 Incorporate sustainable development and conservation practices in all Parks and Recreation parks and facilities.
- PR-7 Incorporate technology as part of park sites and facility experiences.

Department Accomplishments

Since 2018, the Harford County Department of Parks and Recreation has worked diligently to implement the priorities set forth in the 2018 LPPRP.

Ma & Pa Trail

The development of the Ma & Pa Heritage Trail began in the mid-1990s. The 2.0-mile Phase 1 segment opened in 1999, the 1.75-mile Phase 2 segment opened in 2000, and the 1.25-mile third segment connecting the trail to Edgeley Grove Park opened in 2008. The trail remains extremely popular with residents of all ages, including walkers, joggers, and bicyclists. The Department divided the Ma & Pa

Connector Trail Project into three segments to address permitting requirements for each section in a timely manner. Segment 1 from the Williams Street trailhead to Main Street in the Town of Bel Air is complete. This segment included sidewalk improvements along Ellendale and Main Streets, as well as a crosswalk with overhead alert system where the Ma & Pa Trail crosses Main Street. Segment 2, from Main Street in Bel Air to North Avenue is under construction and is expected to be complete in April 2022. This segment includes a parking lot at North Avenue and connects several neighborhoods just north of the Town of Bel Air to Main Street. Segment 3, from North Avenue to Blake's Venture Park, is currently in design and is expected to go to construction in 2023. Blake's Venture Park is the southern trailhead of the Forest Hill section of the Ma & Pa Trail. Once complete the approximately 2-mile connecting section of the trail will create an approximately 8-mile trail connecting Edgeley Grove Park in Fallston, through the Town of Bel Air, to Blake's Venture Park and ultimately to Friends Park in Forest Hill. This project addresses 2018 LPPRP goals PR-2, PR-3, and PR-4.

Emily Bayless Graham Park

The Department constructed Emily Bayless Graham Park, a 69-acre park in the heart of the County's development envelope. This passive park site includes a picnic pavilion, 1.9 miles of walking trails, including a sensory trail, and meets the wishes of Ms. Graham, who donated the property to the County to become a passive park. Additional work was completed on the old farmhouse on the property to weatherize and stabilize it while its future use is determined. This project addresses 2018 LPPRP goals PR-3 and PR-4.

Public Access

The Department continued to improve access to County parks through several projects. At Schucks Road Regional Park, the Department partnered with several community partners to construct an award-winning sensory trail. The Department partnered with the Miracle League of Harford County and provided land at Schucks Road Park for construction of a poured-in-place baseball diamond for physically challenged players of all ages. New themed playgrounds were replaced at Alfred B. Hilton Park, Fox Meadows Park, Churchville-Glenville, and Longley Park. Additionally, walking trails systems were expended and installed at Fox Meadows Park and Francis Silver Park. These projects address 2018 LPPRP goals, PR-2, PR-3, and PR-4.

Water Access

The Department continued to improve water access throughout the County, including the Deer Creek Water Trail in the northern part of the County. The Department completed a feasibility study to create a series of canoe/kayak launches along Deer Creek and has completed construction on two of the launches; Benjamin's Bridge where Deer Creek crosses under Conowingo Road (Route 1), and the Walter's Mill Road launch site. The Department also created a canoe/kayak launch at Mariner Point Park and completed boat launch and pier improvements at Flying Point Park.

Dredging projects were completed along several waterways in the County, including;

- Foster Branch
- Gunpowder River
- Taylor's Creek
- Bush River/Otter Point Creek

All of these projects helped address the 2018 LPPRP goals PR-2, PR-3, and PR-4.

Sports Turf

Additionally, the Department continued its partnership in the County Administration's Synthetic Turf Field Initiative. This initiative, in conjunction with Harford County Public Schools, focused on replacement of natural grass high school stadium football fields with synthetic turf fields. Since 2008, 10 natural grass fields have been replaced with synthetic turf fields at County high schools. Through a memorandum of understanding with HCPS, these synthetic turf fields have been made available to local recreation councils outside of school use, adding fields which were previously not available. Conversion of the grass fields at Fallston and Patterson Mill High Schools to synthetic turf were completed.

These projects address 2018 LPPRP goal, PR-3.

The Department also completed an assessment of the existing synthetic turf fields at County park and high school sites. The Synthetic Turf Field Initiative began in 2008 and some of the fields are nearing the point where they need to be

replaced. This assessment used consistent criteria to identify the priority order for replacement of the synthetic fields. Existing synthetic field replacements occurred at the following locations:

- North Harford High School
- Edgewood High School
- Bel Air High School
- Fallston Recreation Complex
- Cedar Lane Park – Field 12
- Forest Hill-Hickory Fountain Green Activity Center.

These projects address 2018 LPPRP goals, PR-3, and PR-5.

Sustainable Development

The Department, working with the Department of Public Works-Watershed Protection and Restoration, completed a renovation of the parking lot at the Anita C. Leight Estuary Center that includes the use of pervious pavers and rain gardens to help address runoff at the parking lot. The Department also upgraded the lighting throughout the Emmorton Recreation and Tennis Center to LED lighting. Both of these projects represent sustainable development and conservation practices at Harford County parks and facilities, goal PR-6 from the 2018 LPPRP.

Land Acquisition

The 2018 Land Preservation, Parks, and Recreation Plan identified the need to purchase additional land to serve both active and passive recreation needs (PR-1). Since 2017, Harford County has added 365 acres of land to the County and Municipal Park Systems. All the acreage is located within the Development Envelope. The most significant acquisition during that time was the 347.4-acre Belle Vue Farm. This property was acquired in October 2020 through a joint effort including the Harford Land Trust and funding from the US Army, and State and Local side Program Open Space funding from the State of Maryland and Harford County. Harford County now owns several properties on the Oakington Peninsula totaling over 1,200 acres and including more than 2 miles of frontage along the Chesapeake Bay. The County will be developing a master plan for the Oakington Peninsula Park System that include all of the County-owned

properties. While located in the southeast corner of Harford County, the future Oakington Peninsula Park System will be planned and designed to attract visitors from throughout the County and the region.

The remaining acquisitions were completed by the cities of Aberdeen and Havre de Grace, including:

- 684 West Bel Air Avenue property – City of Aberdeen – This 13.4-acre property will be the home of the new Aberdeen Activity Center. The design of the new center is underway.
- Church Green Park – City of Aberdeen – This .5-acre property is home to a small community playground
- Veterans Park – City of Havre de Grace – This 1.5-acre property was developed into a park site by the City and includes outdoor exercise equipment located along the walking trail around the property.

The County also completed a land conversion in the Dublin community to maintain the recreation lands for that community:

- Dinning property land conversion – this 29.7-acre parcel was encumbered with Program Open Space restrictions as part of a land conversion involving 28.8 acres of the Vest Property. Both properties are in the Dublin community. Part of the Vest Property is home to Harford County’s Agricultural Center and several of the proposed and future uses are not recreation related. The Dinning property will be developed into a community park site.

These acquisitions address 2018 LPPRP goals PR-1, PR-2, PR-3, PR-4, and PR-6.

Safety Concerns

The Department continues to address several safety issues since the 2018 LPPRP (PR-5):

- The Department and its Recreation Council partners continue to address concussion awareness training and information in cooperation with Harford County Public Schools (HCPS) and the Harford County Department of Health and Mental Hygiene.

Table II-3: 2017 Acreage Goals

Open Space Parks and Recreation Land Goals Established in 2017	Type and Specific Location	Acreage Needed	Acreage Acquired
30 acres parkland /1,000 people	Havre de Grace to be part of the Oakington Peninsula Park System		347.4
	Aberdeen – Home of the future Aberdeen Activity Center		13.4
	Aberdeen – Small community park with a playground	390	.5
	Havre de Grace – Community park with a small trail and exercise equipment		1.5
		TOTAL	362.8

- The Department is working in partnership with the Department of Emergency Services to install outdoor AEDs at County park sites. These outdoor AED units provide park users access by contacting 911 during emergencies. These outdoor units also contain Narcan and Stop the Bleed kits. Currently, there are outdoor AED units at the following park sites:
 - » Ma & Pa Trail – Tollgate trailhead
 - » Eden Mill Nature Center and Park
 - » Schucks Road Regional Park
 - » Flying Point Park
 - » Friends Park
 - » Emily Bayless Graham Park
 - » Mariner Point Park

Digital Access

The Department worked diligently to improve its internet and social media presence since the 2018 LPPRP to address goal PR-7, Incorporate technology as part of park sites and facility experiences. The Department moved to online program registration for our programs and continues to move park site experiences, such as pavilion reservations, online. During 2020 at the start of the COVID Pandemic, the Department developed an award-winning program, At Home with Parks & Rec, that included videos available via the Department website to encourage the public to stay active and healthy during the time of pandemic related shutdowns. The Department also developed and maintains a Facebook page to help promote Department programs, provide updates to Department projects, and gather input from the public through comments. As shown in the LPPRP public input survey results, the increased internet presence has improved general public engagement with the Department.

The department continued to undertake numerous other small projects during the last five years to address a wide variety of recreation needs. With the cooperation and assistance of the Harford County Public Schools, the Department is working to maintain and improve the outdoor tennis and multi-purpose/basketball courts at school sites as well as recreation sites throughout the County. These projects addressed 2018 LPPRP goals PR-3, PR-4, and PR-7.

2022 LPPRP Goals

- **PR-1 Acquire additional recreation land, including waterfront properties, to help meet the needs of current and future residents.**

Harford County has done an excellent job of obtaining and developing recreation land in one of the fastest growing counties in the State. The pressure to add more parks and open space will only increase with growing population as the County continues to be a desirable location in the suburban Baltimore region. Waterfront property is especially high value for many reasons. The estuarine environment—where land meets water— offers a unique perspective on natural resources and processes. The County should look for any opportunity to increase public use and enjoyment of its water resources through acquisitions and partnerships, such as the Chesapeake Bay National Estuarine Research Reserve (CBNRR).

The County will work to maintain the HarfordNEXT County Master Plan goal of 30 acres of local parkland per thousand population (ac/000) with a baseline commitment of acquiring additional open space at a level that will maintain the current benchmark of 30.1 ac/000 residents. Land acquisitions should include regional park sites to serve countywide needs or multiple recreation council areas as well as community park sites to serve more localized needs. The development of Emily Bayless Graham Park as a passive park site in the Emmorton community is an example of an acquisition that serves both local and countywide needs.

This LPPRP document utilized a ½ mile radius for a walkability standard for the proximity and park equity analysis based on the State expectation. This walkability standard resulted in existing areas within the Development Envelope that currently do not meet the State expectation. While not the only consideration, efforts to meet the ½ mile walkability standard within the Development Envelope should remain a significant factor when considering future property acquisitions. Outside the Development Envelope, the 2022 LPPRP utilized a 5-mile radius for the access standard based on the State expectation. This 5-mile radius establishes an approximate 15-minute drive for access to park site and facilities.

The Department will continue to strengthen the development review process to ensure that future land dedications from homeowners' associations are

appropriate additions to the County system of parkland and open space. The development review process is an opportunity for the County to help meet the need for active open space in new neighborhoods. Open space within new neighborhoods will generally serve the localized recreation needs of the residents and should be provided based on the housing types and anticipated demographics of the residents, as well as generally be owned and maintained by the homeowner's association. In limited circumstances, donation of land and/or facilities to the County may be the most appropriate option for fulfilling open space requirements and serving public recreation goals.

Table II-4: 2022 Acreage Goals

Open Space Parks and Recreation Land Goals Established in 2022	Type and Specific Location	Acreage Needed	Plan for Meeting
Belcamp/Riverside Acquisition	Community Park site with field space in Belcamp/Riverside area	40	Pursue opportunities for land acquisitions in the community as they are identified.
Edgewood Acquisition	Community Park site with field space in Edgewood area	105	Pursue opportunities for land acquisitions in the community as they are identified.
Emmorton Acquisition	Community Park site with field space in the Emmorton area	23.5	Pursue opportunities for land acquisitions in the community as they are identified.
Forest Hill Acquisition	Community Park site with field space in the Forest Hill area	40	Pursue opportunities for land acquisitions in the community as they are identified.
Joppa/Joppatowne Acquisition	Community Park site for future Activity Center with field space in Joppa/Joppatowne area	22	Pursue opportunities for land acquisitions in the community as they are identified.

- **PR-2 Develop integrated greenway, land, and water trail systems with both public and private segments.**

Greenways and trails have proven to serve many vital and useful functions, including:

- Waterway preservation
- Habitat preservation
- Recreation
- Alternative transportation
- Community enhancement
- Parks interconnection

Harford County already has many potential components of a greenway system. The Ma and Pa Trail (both the North and South segments), Winters Run, Bynum Run, Deer Creek, the Lower Susquehanna Heritage Greenway, and the Little Gunpowder Falls should all be part of a countywide system of trails for alternative transportation, public enjoyment, and community enhancement. Efforts should focus on the development of shared use paths within existing communities with connections to destinations and Parks and Recreation facilities.

The County will continue to make improvements that will allow citizens to connect to, and experience nature. An example of this is the current development of the MA and PA Trail Connector Trail. Once completed, the Ma & Pa Trail will be a premier trail network stretching nearly eight miles from Edgeley Grove Park to Friends Park and taking travelers between Fallston and Forest Hill through the vibrant Bel Air business district. As of the drafting of the 2022 LPPRP, the Ma & Pa Connector Trail-Segment 1 is complete; The Ma & Pa Connector Trail-Segment 2, from Main Street in Bel Air heading north 1 mile to North Avenue is nearing completion; and The Ma & Pa Connector Trail-Segment 3 from North Avenue to Blake's Venture Park is in design. The scenic Ma & Pa Trail attracts thousands of visitors each year and is Harford County Government's most popular Parks and Recreation facility.

The systems should include connected sections with public access and accommodations to encourage biking, walking, hiking, horseback riding, and

other fitness-related activities. In addition to the land appropriate for greenway/trail designation and development, Harford County also has many partners able to contribute to a unified greenway network, including land preservation organizations (such as the Harford Land Trust and the Lower Susquehanna Heritage Greenway), State and local agencies (including DNR, MDP, and the County departments of Planning/Zoning and Parks/Recreation), and homeowners' associations (HOAs). Lands within HOAs can be an integral part of a trail network to connect population concentrations within the County to activity centers, particularly in the development envelope.

However, public access need not be a requirement of all greenways. Some sections of greenway should be retained in a natural state, without public access, to preserve natural features, habitat, and community character. For example, previous County land preservation and recreation plans noted that the Bynum Run area from Bel Air southeastward has limited land for donation or acquisition, poor access points, and a lack of logical termini. Nevertheless, the segment should be considered an important component of a Bynum-Winters Run Greenway for its natural setting and connection within the system.

Development of water trail systems along various waterways in the County should continue to be pursued. These water trail systems should utilize existing public land and park sites to develop access points, particularly for canoes and kayaks. The Deer Creek Water Trail currently under development is an example of a blueway. A similar opportunity exists along Otter Point Creek and could be developed working in partnership with CBNERR and other partners, including the Issak Walton League and the Otter Point Creek Alliance. Such water trail systems would provide opportunities for County residents to enjoy otherwise inaccessible areas of the County without impacting natural areas that are ecologically sensitive.

Harford County's master plan, HarfordNEXT (NEXT) focuses not only on existing connections to existing communities and parks but also potential future trail alignments. These future trail alignments may be realized as a result of development and/or capital funding projects. Some trail alignments can be adjacent to existing roads, for example, providing another means of mobility or recreation from one point to another. For example, connecting Harford Community College to Bel Air could be accomplished adjacent to a road but could also be incorporated into any future new development if that occurs.

This goal can also be implemented by incorporating these other strategies within HarfordNEXT:

- Evaluate standards for trails, connections, community gathering places and other community amenities for new residential projects.
- Ensure that pedestrian routes and sidewalks are integrated into continuous networks.
- Initiate a trail sponsorship program whereby individuals and business can support the upkeep and maintenance of the trail.

Although this is not all NEXT strategies these coupled with this overall Plan's strategies proves for a meaningful framework to enhance existing greenways and trails but also future trail development.

- **PR-3 Monitor usage trends, improve existing facilities, develop complementary facilities, and add recreational opportunities and facilities that meet the needs of all segments of the public as well as support the destination recreation/sports tourism market.**

The County continues to support the creation of safe and convenient opportunities for outdoor recreational activity while providing adequate recreational services and facilities to accommodate year-round activity for a diverse population. Over time, the number and types of public recreation facilities must be modified in response to changes in public demand and popular trends in parks and recreation services. The demand for football, soccer, and lacrosse fields as well as basketball and pickleball courts continues to increase in recent years; while the demand for public tennis courts and smaller baseball diamonds has leveled off. Current population trends show a growing adult County population. Given this fact, the Department will continue to work with individual Recreation Councils to address localized needs in the area of adult programming, as well as partner with the Office on Aging for senior programming. Additionally, the Department will continue to address and improve accessibility for individuals with disabilities at both existing facilities and new construction projects.

The Department will continue efforts to expand opportunities that go beyond the traditional recreation council programming. The department will work in partnership with advocacy groups to expand the number and types of therapeutic recreation services available to the County's developmentally and physically challenged citizens and their families. The Equestrian Center, the

Tollgate Woodshop, the Liriodendron and Swan Harbor Farm, as well as the two environmental education centers, offer alternative types of activities and programs. Additionally, the Department will pursue opportunities to develop and provide sensory trails and playground amenities that are designed for use by developmentally and physically challenged citizens.

Currently, the Anita C. Leight Estuary Center works in partnership with Harford County Public Schools and CBNERR to support the Environmental Literacy graduation requirements for County students. The Center also provides teacher professional development in environmental literacy standards. The Department is also working with school teachers to align environmental literacy standards to a new Meaningful Watershed Educational Experience (MWEE) that will be implemented for all 7th graders in County public school. These efforts are consistent with the Maryland Project Green Classrooms program and the Department should continue to pursue and grow these efforts with Harford County Public Schools. As a result of the COVID pandemic the MWEE program was suspended. With the pandemic easing, the Department will work with Harford County Public Schools and CBNERR to re-implement the program.

Surveys, interviews, anecdotal situations, and other indications suggest that the demand for public use of the waterfront in Harford County continues to increase. Public ownership (or control, through easements or other mechanisms) of waterfront property supports many public purposes, including watercraft launching, fishing, and even simple visibility. Public stewardship of water resources is integral to the long-term health of County waterways and the Chesapeake Bay.

The Harford County Destination Market Study completed for the Greater Baltimore Committee identified Ripken Stadium and Cedar Lane Sports Complex as significant contributors to Harford County as a sporting event destination. Additionally, efforts should be made to maximize the impact of existing Department assets in other tourism markets, including eco-tourism and heritage tourism. The Department should work in cooperation with private sector partners and other County agencies to enhance interest in travel to Harford County. Measurement of the successfulness of the Department's efforts in this area should be part of any follow-up study to the 2011 Harford County Destination Market Study.

- **PR-4 Provide active and healthy lifestyle opportunities for Harford County residents.**

The Department places priority on providing options for residents of all ages, to play, enjoy and learn in the recreation environment. A primary recreation goal for the partnership of the Department and the Recreation Councils is to provide in-house recreation programs in a wide variety of sports so that all children in Harford County have the opportunity to learn sports skills and to participate in team and individual activities. The Department will continue to develop programming that is complimentary to the programming that is offered through our Recreation Council partners.

Parks and Recreation is dedicated to addressing the increased importance of a healthy community. Working closely with the Recreation Councils, Parks and Recreation actively assesses the recreation needs in accordance with current trends, as stated in PR-3, and the need for additional activities to reduce the health issues associated with a sedentary lifestyle. Empowering citizens to increase physical activity and make health a priority is crucial to changing societal attitudes toward maintaining healthy lifestyles and encouraging outdoor activity. These efforts include support for individual activities such as walking and for playgrounds at both parks and schools. The concept of community gardening also has been raised and the Department will continue to work to identify potential locations for community gardens at Parks and Recreation facilities.

Community centers in Harford County have been extremely successful in both usage and as examples of strong organizational partnerships. While multi-agency centers are preferred in many situations, specific community recreation needs may warrant a smaller facility. Harford County should build on the success of the current community centers and as also stated in the HarfordNEXT PHC Goal 1.4, continually assess the need for centers in other areas of the County.

Parks and Recreation promotes Healthy Harford Inc., and looks to identify opportunities to increase obesity awareness, and provide activities to address the issue. The Report of the Obesity Task Force included recommendations from Built Environment Subcommittee that encourage the development of facilities for individual and independent use in future parks as well as for sports fields. For instance, facilities that benefit active seniors, such as pickleball and fitness, as well as individual activities and sports such as skateboarding, archery

and disc golf should be integrated. Strong support was given to the design and construction of future multi-use trails to connect parks with community destinations. Additional comments include increased public information efforts by the Department to promote the availability of recreation facilities at County parks and public schools. Many citizens are unaware of the fact that outdoor school facilities such as tracks, and playgrounds can be used by the public when not needed for school activities. The Department will continue to work to implement the Task Force recommendations.

Public outreach should advertise family activity programs at schools and recreation through a variety of outlets, including social media, websites, grocery stores and libraries. Additionally, the Department will work with the healthcare community to educate the public on health issues related to outdoor activities, such as Lyme's disease.

As mentioned in PR-2, Parks and Recreation will continue its efforts to complete the Ma & Pa Heritage Trail and other greenway/trails systems in support of the HarfordNEXT Master Plan efforts to create more walkable and bikeable communities. Furthermore, the Department will continue to add additional closed loop walking trails at park site to increase the hiking/walking fitness opportunities for Harford County citizens.

- **PR-5 Work with Recreation Councils to continue to address the safety of recreation program participants.**

The Department will continue to work with the Recreation Councils to ensure screening and formal background checks for council volunteers are based upon established standards for youth sports, in support of the paramount goal of participant safety. Where appropriate, The Department will continue to work with our Recreation Council partners as a conduit for discussions on community related issues.

In recent years, there have been improvements in the aftercare of sports head injuries. The Department follows Maryland State law regarding concussion awareness and management at school sites and parks in conjunction with the Harford County Department of Health and Mental Hygiene, the Harford County Board of Education, and the local Recreation Councils. Increased awareness and appropriate medical actions for all injuries will continue to be a focus in County sports programs.

The Department will follow the Maryland Department of Agriculture guidelines concerning herbicide and fertilizer use and management in compliance with the Fertilizer Use Act of 2011.

- **PR-6 Incorporate sustainable development and conservation practices in all Parks and Recreation parks and facilities.**

Great efforts have been made to integrate green practices in the operation of facilities and Recreation Council Programs. The Department supports the County's initiative in construction and renovation of facilities and promotes revitalization and reuse of old structures if possible and fiscally responsible. Additionally, Parks and Recreation strives to increase the use of green building technology, implement sustainable building practices, and promote energy savings in construction of all of its buildings and facilities. Where feasible, the Department will minimize impervious surfaces at Parks and Recreation facilities.

The Department and its affiliated Recreation Councils educate and empower Harford County citizens on the topics of environmental stewardship, water quality and watershed protection at the two County run environmental education centers, Eden Mill, and the Anita C. Leight Estuary Center. The Department, consistent with the Partnership for Children in Nature, will integrate opportunities for environmental education and stewardship at individual project sites as well as promote access to natural areas at park sites in order to promote both formal and informal environmental education. These opportunities would include educational signage along site developments. These programs will continue to grow and expand to meet the needs of the Harford County citizenry. Where appropriate the Department will use design standards that emphasize maintaining of natural landscapes.

The Department will work with the Department of Planning and Zoning to identify sites within the Green Infrastructure network for demonstration projects. These projects could include tree plantings to mitigate forest gaps, establishment of low mow zones, use of flood mitigation best management practices, and development of Invasive Plant Management Plans for specific Parks and Recreation facilities.

Additionally, as parkland is acquired the Department will work with the Department of Planning and Zoning to weigh passive use considerations for building upon existing green infrastructure with active use needs.

The Department will follow the Maryland Department of Agriculture guidelines concerning herbicide and fertilizer use and management in compliance with the Fertilizer Use Act of 2011.

- **PR-7 Incorporate technology as part of park sites and facility experiences.**

As technology changes and advances, the Department should look to utilize technology to improve the experience for park users. Buoyed by the current success of the Department's social media communications, these efforts should include continued use of the internet and social media to raise awareness and promote Department parks, programs, amenities, and initiatives. Where demonstration projects, such as establishment of low mow zones, sensitive habitats or species exist, historical information, or other items of interest exist at Parks and Recreation facilities, the Department will look to utilize technology, such as QR codes, that allow visitors to gain additional information about the specific circumstances. Additionally, the Department will continue to improve its internet presence in an effort to increase park users' ability to complete transactions, including registrations and reservations, online where appropriate.

Goals of State Plan

As was the case with the previous LPPRs, local plans must incorporate the following State goals for recreation and parks, in addition to other local goals as appropriate for each jurisdiction:

1. **Coordination and Collaboration:** Strengthen coordination and collaboration between federal, state, and local government agencies and other key stakeholders in planning for the provision of outdoor recreation opportunities and land conservation initiatives
2. **Promote the Benefits of Outdoor Recreation and Conservation of Natural Lands:** Promote the economic, cultural, health, and environmental benefits of outdoor recreation and conservation of natural lands. Seek to increase the public's understanding of these benefits to enhance interest and participation in recreating outdoors in Maryland.
3. **Increase Access to Open Spaces and Waterfronts:** Increase and improve opportunities for all segments of the population to access land and water-based outdoor recreation opportunities.
4. **Improve What's Already Available:** Improve the overall quality of outdoor recreation infrastructure at public parks and outdoor areas across the state.
5. **Develop an Informed Stewardship Culture:** Promote environmental education and use of parks and outdoor areas as teaching tools to foster a positive stewardship ethos among children, youth, and their families.

Support of State Goals and Strategic Guidelines

The 2019 Guidelines for State and Local Land Preservation, Parks and Recreation Planning require that the Recreation and Parks section of the LPPRP describe the principal implementing programs, how they help to achieve the State and County goals and how they are consistent with the Strategic Guidelines for Recreation and Parks. The local plan should focus on how it will achieve these goals through its spending priorities for acquisition, facility development, and rehabilitation.

The Strategic Guidelines note that the majority of funding should be targeted to neighborhoods and communities where population and growth are concentrated. Parks and facilities should be provided in lands designated for agricultural and/or natural resource conservation only to serve needs of the existing population or to preserve significant natural resources. The plan should also describe how local parks and recreation efforts complement the resource conservation focus of stateside POS.

Land Acquisition

Harford County evaluates any potential acquisition for active recreation facilities regarding the location relative to population centers, such as the municipalities and the designated growth areas, as well as existing gaps as identified in the 2018 LPPRP. Acquisitions for recreation sites are prioritized within the Development Envelope, however, these sites are more scarce and comparatively more expensive than sites lying just beyond the Development Envelope. Previous focus on sites lying just beyond the Development Envelope or on the edge of the Rural Villages have proven to be more appropriate opportunities for public acquisition. The “greenbelt effect” can provide an effective demarcation between the rural areas and the designated growth area and these acquisitions on the edges of the Development Envelope also resulted in a 15-minute drive to most locations within the Development Envelope. Additionally, other factors, including environmental and ecological value, and proximity to existing County park sites are evaluated when individual properties are being considered. Land acquisitions within the Priority Preservation Area are done to provide facilities for the existing residents of the area.

Many sites are acquired to preserve the natural resources on the property while providing active recreation facilities on suitable land. This can encourage passive recreation and environmental education and stewardship in partnership with sports facilities. Harford County has worked cooperatively with the Department of Natural Resources to identify and coordinate efforts regarding resource conservation acquisitions and additions to the State Parks.

Since 2017, Harford County has added 365 acres of land to the County and Municipal Park Systems. All the acreage is located within the Development Envelope. The most significant acquisition during that time was the 347.4-acre Belle Vue Farm. This property was acquired in October 2020 through a joint

effort including the Harford Land Trust and funding from the US Army, and State and Local side Program Open Space funding from the State of Maryland and Harford County. Harford County now owns several properties on the Oakington Peninsula totaling over 1,200 acres and including more than 2 miles of frontage along the Chesapeake Bay. The County will be developing a master plan for the Oakington Peninsula Park System that include all of the County-owned properties. While located in the southeast corner of Harford County, the future Oakington Peninsula Park System will be planned and designed to attract visitors from throughout the County and the region.

Development of Facilities

The Department of Parks and Recreation strives to protect natural and cultural resources and to complement surrounding communities. Harford County designs active and passive recreation facilities in accordance with programs and regulations of federal, State, and local government. Sites are planned so that the impacts on natural resources, such as wetlands, are avoided or minimized. The Department of Parks and Recreation is subject to all regulations of the Harford County Zoning Code, including those beyond State minimums, such as the 75-foot buffer to nontidal wetlands. County facilities are reviewed through the Development Advisory Committee with notice to adjoining property owners. The department strives to address concerns of neighbors through buffering, location of driveways, and other design modifications, as needed. The department is always cognizant of the cultural and historic integrity of potential acquisitions.

Capital Improvement Programming

One of the most important ways local government makes existing communities and planned growth areas more desirable is to identify the community's priority for recreational land and facilities. The Departments of Harford County Government have sought additional citizen involvement through a variety of venues, including broad-based community councils, design workshops, and public outreach during the development of the numerous Element Plans.

Harford County acquires parkland and constructs recreation amenities through the Capital Budget and Capital Improvement Program. In addition to department initiatives based on needs identified in the Land Preservation, Parks and Recreation Plan, the Department receives requests for capital improvement and acquisition projects from the 20 recreation councils throughout the County,

which include the recreation committees of the three incorporated municipalities (Bel Air, Aberdeen, and Havre de Grace). The Recreation Councils represent the thousands of families and volunteers actively involved in the organized recreation programs. The Department also requests and receives input from the Harford County Department of Planning & Zoning, Planning Advisory Board, Harford County Public Schools, Harford County Public Library, Parks and Recreation Advisory Board, and the Department of Parks and Recreation staff. Community surveys and contacts from HOAs, land trusts, or individual citizens may provide additional input.

The Department, with input from the committee of recreation council presidents, annually evaluates and chooses capital projects based in large part on the following criteria that incorporate County goals and policies as well as individual needs:

1. Does the project support the goals and policies set forth in the Harford County Land Preservation and Recreation Plan?
2. Is the project included in the department's 5-year capital improvement program?
3. Is the project a priority for reasons of safety, maintenance, or environmental concerns?
4. Is the project a response to identified or expressed community needs or desires?
5. Is the project necessary to complete a previously approved project?
6. Should the construction be included with the initial phase of development for efficiency or practicality?

The Department formulates a proposed budget with input from the Recreation Council Presidents after reconciling the estimated costs of projects with the anticipated funding level. Both the Planning Advisory Board and the Parks and Recreation Advisory Board review the proposed budget and provide comments to the County Executive and County Council. The capital budget is incorporated into the County Executive's budget and forwarded to the Harford County Council for review, approval, and funding. The County Executive and County Council both seek additional public input during the budget process.

Funding Sources

Funding is critical to meet day-to-day operational needs and to acquire and develop parkland. The Harford County Department of Parks and Recreation uses a variety of revenue sources (Table II-5). The operating budget covers current expenses of the department, such as personnel, supplies, vehicles, and equipment. The Harford County General Fund provides the money for the operating budget from property and income taxes as well as fees and other miscellaneous sources of revenue. Two county facilities—the Emmorton Recreation and Tennis Center and Swan Harbor Farm—have special revenue accounts established within the County budget and generate significant revenue through the collection of user fees to offset expenses for each specific facility. Revenues and expenses from other Parks and Recreation facilities are managed through a third section of the revenue account.

Acquiring land and developing facilities are very expensive initiatives, requiring thousands, and sometimes millions, of local, State, and federal dollars. Harford County has been fortunate for many years to have a dedicated revenue source at the local level. Recordation taxes are charged at a rate of \$3.30 per \$500 valuation on the property being recorded. Of the \$3.30, \$0.55 must be deposited in a fund to purchase parklands and develop recreation facilities. This funding source is impacted by the real estate market.

Other County revenue sources include “reappropriated” funds and bonds and “paygo” funds. Reappropriated funds are the funds remaining at the completion of a capital project. When a Parks and Recreation capital account is closed, the money reverts to the unappropriated fund balance and is available for future allocation through the capital budget process. Bond and paygo funding are provided by the County administration for major land purchases and for large projects that meet a variety of community needs, such as enlarged gymnasiums. Paygo funding is an allocation of current revenues, while bond funds are generated when the County sells general obligation bonds. The bonds are repaid over a 20- to 30-year time period.

Since 1969, the Maryland Department of Natural Resources has provided funds for open space and recreation through Program Open Space (POS). Funded through the State transfer tax, POS-Local Side funds are allocated to the counties and Baltimore City in accordance with a formula that reflects population and transfer tax collection. Since Harford County did not meet its local land

acquisition goals in the 2018 LPPRP, half of POS-Local Side funds allocated must be spent for acquisition of additional open space lands. The balance can be used for either acquisition or parkland development. The transfer tax was established as a dedicated fund source for Program Open Space, agricultural preservation, the Maryland Park Service, and other needs. As part of the Capital Budget process, the Department includes authority to accept funding from both Program Open Space-State Side and Local Side funds. However, the authorized amount does not necessarily reflect the actual final funding allocations, which may be less than the authorized amount. The actual POS-Local Side funds that were allocated to Harford County from FY 2019 to FY 2022 are shown below:

- FY 2019 - \$3,725,000
- FY 2020 - \$1,930,191
- FY 2021 - \$1,352,500
- FY 2022 - \$2,150,827

As reflected in Harford County's POS-Local Side funding over the last four fiscal years, the real estate market also has an impact on this funding source. The challenge that continues for the County is working to purchase property in a market where it remains more profitable for property owners to sell land for new residences and other developments rather than for less intense uses, such as parks, recreation, and open space.

Other funding sources include developers, recreation council contributions, and State waterway improvement funds, which are generated by boat registration fees. Waterway improvement revenues are used to develop facilities to serve the boating public, such as boat launching ramps. Federal funds, such as the Transportation Alternatives Program, have provided significant resources but only for specific projects, such as the Ma & Pa Connector Trail. As with Program Open Space funding, as part of the Capital Budget process, the Department includes authority to accept funding from these non-County proposed funding sources. However, the authorized amount does not necessarily reflect the actual final funding allocations, which may be less than the authorized amount.

Table II-5: **Parks and Recreation Budget, FY 2019–2022**

	FY 2019	FY 2020	FY 2021	FY2022
Operating Budget				
General Fund	\$9,682,090	\$10,684,274	\$11,288,619	\$11,836,833
Capital Budget				
Recordation Tax	\$2,330,000	\$2,667,200	\$1,371,500	\$3,245,000
Reappropriated	\$750,000	\$707,800	-	-
Bonds/Paygo	\$1,775,000	\$5,100,000	\$6,825,000	\$11,500,000
Program Open Space ¹	\$3,725,000	\$2,700,000	\$1,352,500	\$2,568,500
Federal Grants ¹	\$4,000,000	\$2,165,000	-	-
Other State ¹	\$1,070,000	\$165,000	\$250,000	\$2,640,000
Other funds ¹	\$980,000	\$765,000	\$300,000	\$175,000
Total, capital budget	\$14,630,000	\$14,270,000	\$10,099,000	\$20,128,500
Total, Operating and Capital Budgets	\$24,312,090	\$24,954,274	\$21,387,619	\$31,965,333

¹Reflects the amount the County is authorized to accept (proposed funding) and does not reflect actual funding allocations, which may be less than the authorized amount.

Source: Harford County Department of Parks and Recreation

Needs Analysis

Land

HarfordNEXT identified 30 acres of local recreation acreage for every 1,000 County residents as a goal of the County Master plan. Previous LPPRPs used a State goal for Program Open Space (POS) to provide 30.0 acres of “local recreation acreage” for every 1,000 County residents (shown as “ac/000”)³ as a measure. In determining the land eligible to be considered against the local goal, Program Open Space guidelines recognize the following types of recreation land based on ownership and the presence and importance of natural features:

- 100% of local recreation acreage, which includes school sites counted as either 100% of community recreation acreage on the site or 60% of the total site
- 1/3 of local natural resource acreage
- 100% of State and federal recreation land above 60 ac/000, up to a maximum of 15 ac/000

For consistency and comparison purposes these same guidelines in determining the land eligible for the HarfordNEXT goal are used in this plan. The 20,259.1 acres of total recreation and resource land in Harford County includes 7,053.5 acres of State land and 7,646.9 acres of local recreation and natural resource land eligible for calculation against the County’s Program Open Space requirement (Table II–6). The amount of State land is not sufficient to meet the State goal of 60.0 ac/000, so no credit is available against the local goal. With a 2020 population of 260,924, Harford County has a total of 30.1 acres of local land per thousand population. Projected population increases will require an additional 94.1 acres of land by 2025 simply to maintain the current service level of 30 ac/000 (Table II–7). By 2035, the County will need 557.1 additional acres to maintain the current service level.

Table II–6: Recreation Land Classification and Need, 2021

	Size (ac.)		Ac/000	
	Total	Eligible	Total	Eligible
	2020 Population: 260,924			
State lands	7,053.5	-	27.0	-
County parks	4,891.2	4,891.2	18.7	18.7
Municipal parks	323.6	323.6	1.2	1.2
Board of Education	1,832.3	1,099.4	7.0	4.2
Major Semipublic and Private	1,903.3	-	7.3	-
HOA land	4,034.5	1,344.8*	15.5	5.2
Local natural resource	599.8	199.9	2.3	0.8

Note: Totals may not add due to rounding.

Source: Harford County Parks and Recreation

*1/3 of the HOA land is considered eligible based on previous LPPRP calculations

³ POS regulations require that at least 50% of a County’s annual allocation be spent on land acquisition, as opposed to park/facility development, unless the County has met its local land acquisition goals.

Table II–7: Recreation Land Need, 2022–2035

	2022	2025	2030	2035
Population	260,924	265,100	273,120	280,564
Eligible acres	7,858.9	7,858.9	7,858.9	7,858.9
Acres per thousand (ac/000)	30.1	29.6	28.8	28.0
Acres needed to maintain goal of 30.0 ac/000	0.0	94.1	334.1	557.1

Note: Totals may not add due to rounding.

Source: Harford County Parks and Recreation, Maryland State Population Projections

Proximity and Equity Analyses

As part of the 2022 LPPRP process, the Department of Natural Resources is using the same Proximity and Park Equity analyses used in the 2017 LPPRP process to analyze the level of service to County residents. Proximity analysis uses site locations to generally determine where the public can readily access parks and park amenities. While HarfordNEXT established a goal of a ¼ mile walkability standard for resident access to Parks and Recreation facilities within the development envelope, this LPPRP document utilized a ½ mile radius for a walkability standard for analysis based on the State expectation. As shown in the analysis that follows, there are existing gaps using the ½ mile State standard and the County should work towards the State standard first, as part of working towards the HarfordNEXT goal. Outside the Development Envelope, the 2022 LPPRP utilized a 5-mile radius for the access standard based on the State expectation. This 5-mile radius establishes an approximate 15-minute drive for access to park site and facilities.

The Park Equity Analysis tool is used to identify population centers and their access to parks and recreation sites and facilities. The Park Equity Analysis⁴ is built upon the US Census data analyzed at the Census Tract Block Group level, combined with statewide maps of public and local parks. Part of the Park Equity model is devoted to the identification of underserved communities. This was done by defining the number of children, senior citizens density, race, linguistic isolation, and the average income of a Census Tract Block Group. Calculations were developed using the following ratios:

- Ratio of Children: Ratio of the number of children aged 17 & under relative to the total population. The higher ratio equals a higher score. (0-10).
- Ratio of Seniors: Ratio of the number of adults aged 65 & older relative to the total population. The higher ratio equals a higher score. (0-10).
- Density: Number of residents per residential acres (as defined by urban lands in the 2002 Maryland Department of Planning land use/land cover data). Higher density equals a higher score (between 0-10) x 2.
- Low Wealth Score: The ratio of household at or below 185% of the county poverty level. The higher ratio equals a higher score. (0-10)

- Non-White Score: Ratio of non-white to white individuals in that census tract compared to the average ratio of the state. The higher ratio equals a higher score. (0-10).
- Walkability Score: The Walkability Index Score is based on the US Environmental Protection Agency model which includes:
 - » National Walkability Index (relative metric, higher values indicate conditions generally more conducive to pedestrian travel)
 - » Employment and household entropy
 - » 8-tier employment entropy (denominator set to the static 8 employment types in the CBG)
 - » Street intersection density (weighted, auto-oriented intersections eliminated)
 - » Distance from population weighted centroid to nearest transit stop (meters) but remember that significant transit capacity has been added since the date of source data used in this analysis (TRAX green line, extensions to other lines, FrontRunner south, etc).

This analysis can identify opportunities to improve park access to underserved populations.

Several other comments should be noted as they pertain to the Proximity and Park Equity Analysis that follow:

- The community areas discussed in the analysis correspond to "Map II-2: Recreation Councils" on page 34.
- Only County and Municipal park facilities that are noted in the overall Inventory, Appendix Table A-1, are included in the Proximity Analysis and Park Equity Analysis.
- If the entirety of the area outside of the Development Envelope was covered by the 5-mile proximity buffer, then the map zooms into the Development Envelope area to give a clearer picture for identifying the gaps.
- The Harford County Board of Education and Department of Recreation and Parks have had a joint use agreement for school recreation facilities

⁴ <https://p1.cgis.umd.edu/mdparkequity/>

since the 1960s. Recreation programs offered by the department and the recreation councils are given second priority (behind school use) for all school facilities.

- Two County libraries, Abingdon and Whiteford, that are noted in the overall Inventory, Appendix Table A-1, are included only in the Playground section of the Needs analysis, as the Department of Parks and Recreation is responsible for the playgrounds located at those branches.
- None of the private sector facilities that are noted in the overall Inventory, Appendix Table A-1, are included in the Proximity Analysis and the Park Equity Analysis. However, Map II-21 shows how HOA land adds to the recreation network.

The overall park equity map (Map II-3) shows that the majority of the County is considered low or medium need, using the factors listed above. The Census Tracts that are considered medium, medium-high, and high need are all within the development envelope. Specifically, the areas in medium and medium-high need are concentrated in Edgewood, Belcamp, Aberdeen, and the eastern part of Havre de Grace. The highest need areas are a small area in Edgewood and an area on the border of Belcamp and Aberdeen. Aberdeen Proving Ground is a U.S. Army facility and scores low on the equity model because of its distance from recreation as well as the low total population.

The proximity analysis for the overall availability of parks and recreation facilities within the Development Envelope identifies opportunities for future sites in several communities. Again, this analysis is based on a 1/2- mile radius for walkability standard (Map II-4). Areas that provide opportunities for future sites include parts of Joppa north of I-40, southern Fallston, and parts of Fallston near MD-147, portions of Forest Hill and Hickory-Fountain Green, Emmorton, Belcamp/Perryman, Aberdeen, and Havre de Grace.

Outside the Development Envelope, the proximity analysis using the 5-mile radius shows the entire area is within a 15-minute drive to a park or recreation facility (Map II-5). This 15-minute drive also includes the entire area inside the Development Envelope, which is partly the result of the effort by the County to identify and develop sites lying just beyond the Development Envelope or on the edge of the Rural Villages. In a perfect setting, acquisitions would be focused

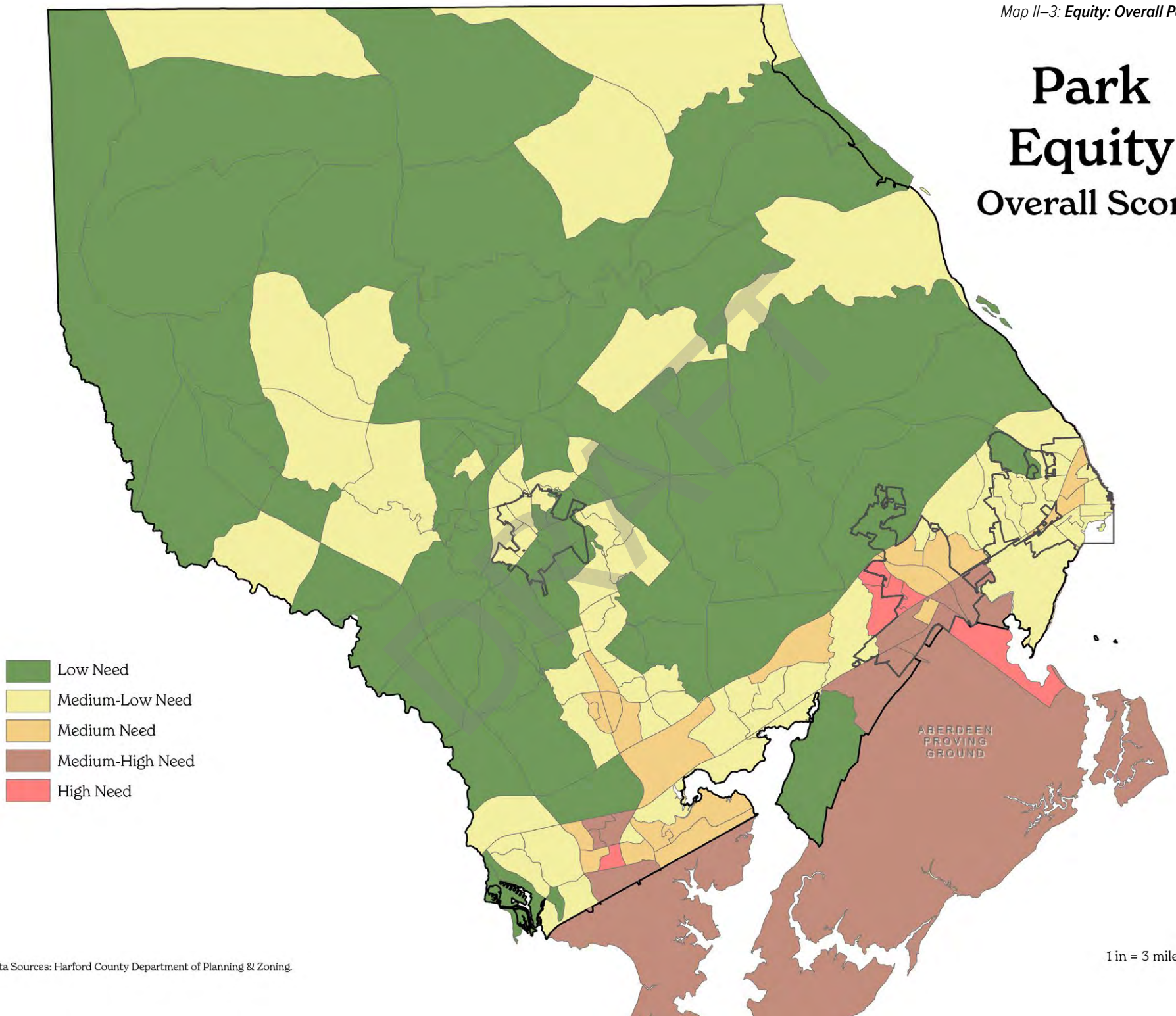
within the designated growth areas, including the Rural Villages, but availability and cost are barriers to acquisition. Sites located within the growth areas are scarce and very expensive. Map II-6 shows the overall Parks and Recreation system for the County and uses the Development Envelope as the demarcation line between the 1/2-mile radius and the 5- mile radius areas of analysis.

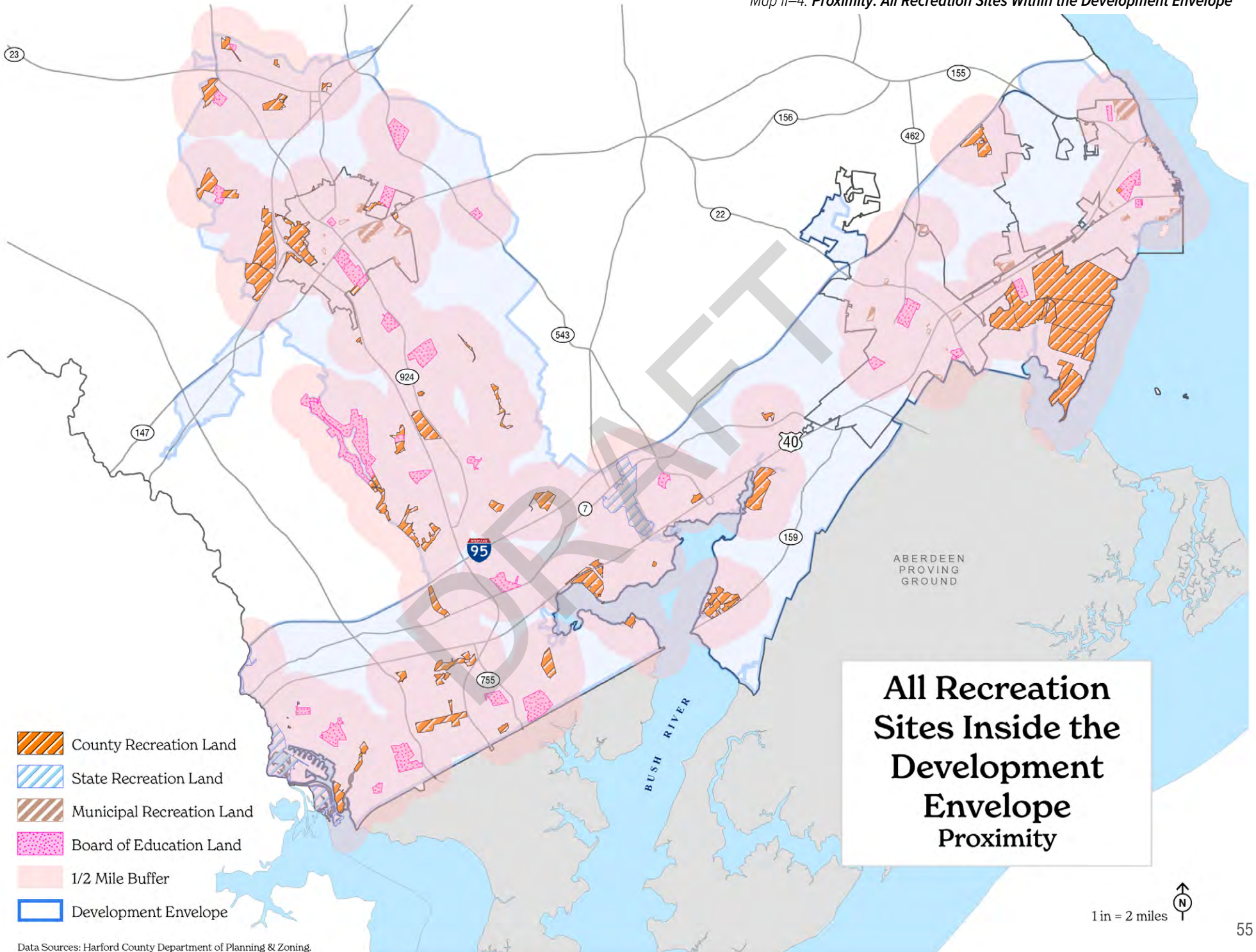
It is important to look at both the overall park equity map and the proximity map to understand what areas are both medium or high-need and furthest from facilities. This comparison is done for each of the facility types. The first equity and proximity map is the overall equity and overall proximity comparison (Map II-7). From this comparison, the areas that score lower on equity and are also in a proximity gap are in Bel Air, Joppa, Emmorton, Edgewood, Belcamp, and Havre de Grace.



Walter's Mill Canoe Launch in Forest Hill, Maryland

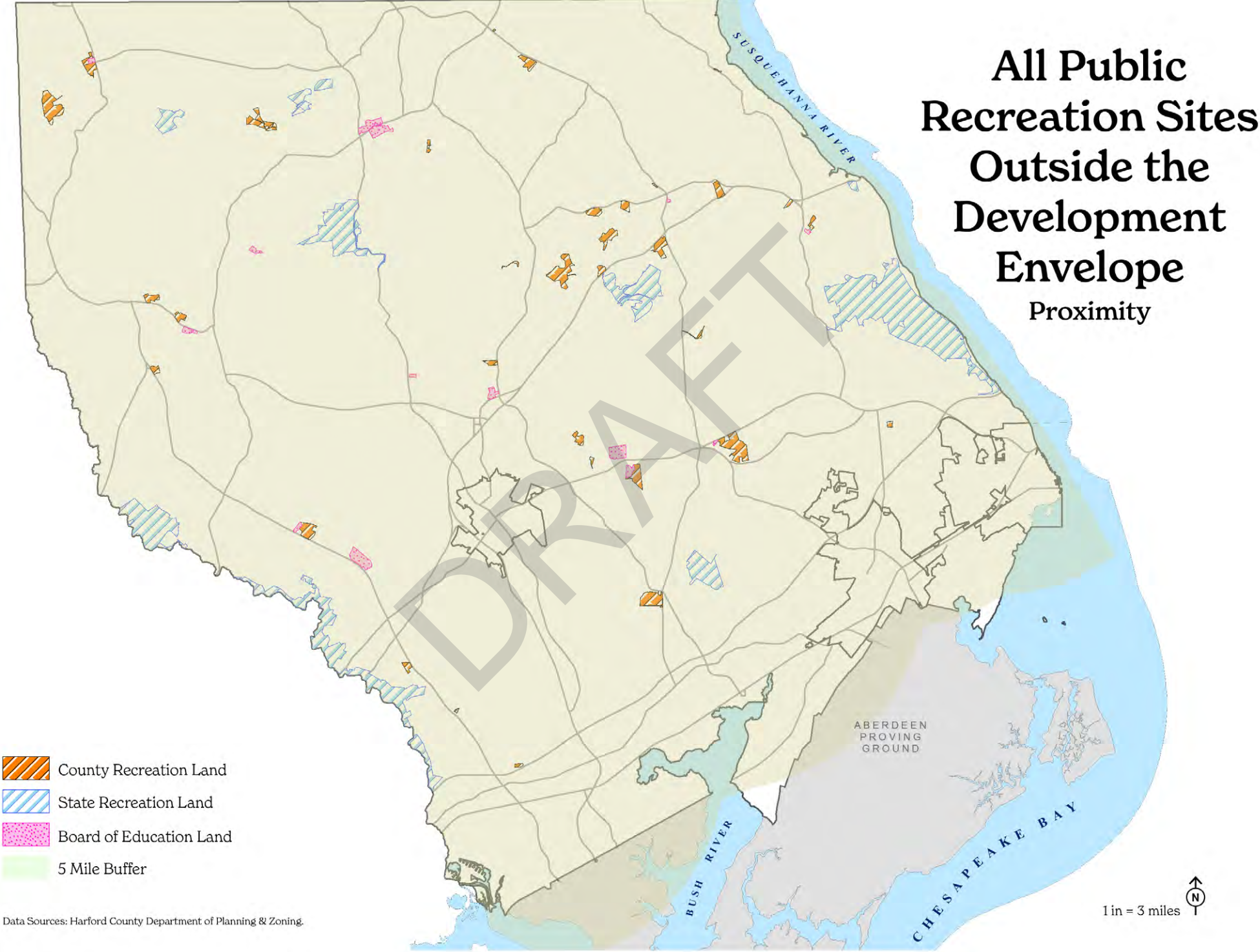
Park Equity Overall Score







All Public Recreation Sites Outside the Development Envelope

Proximity

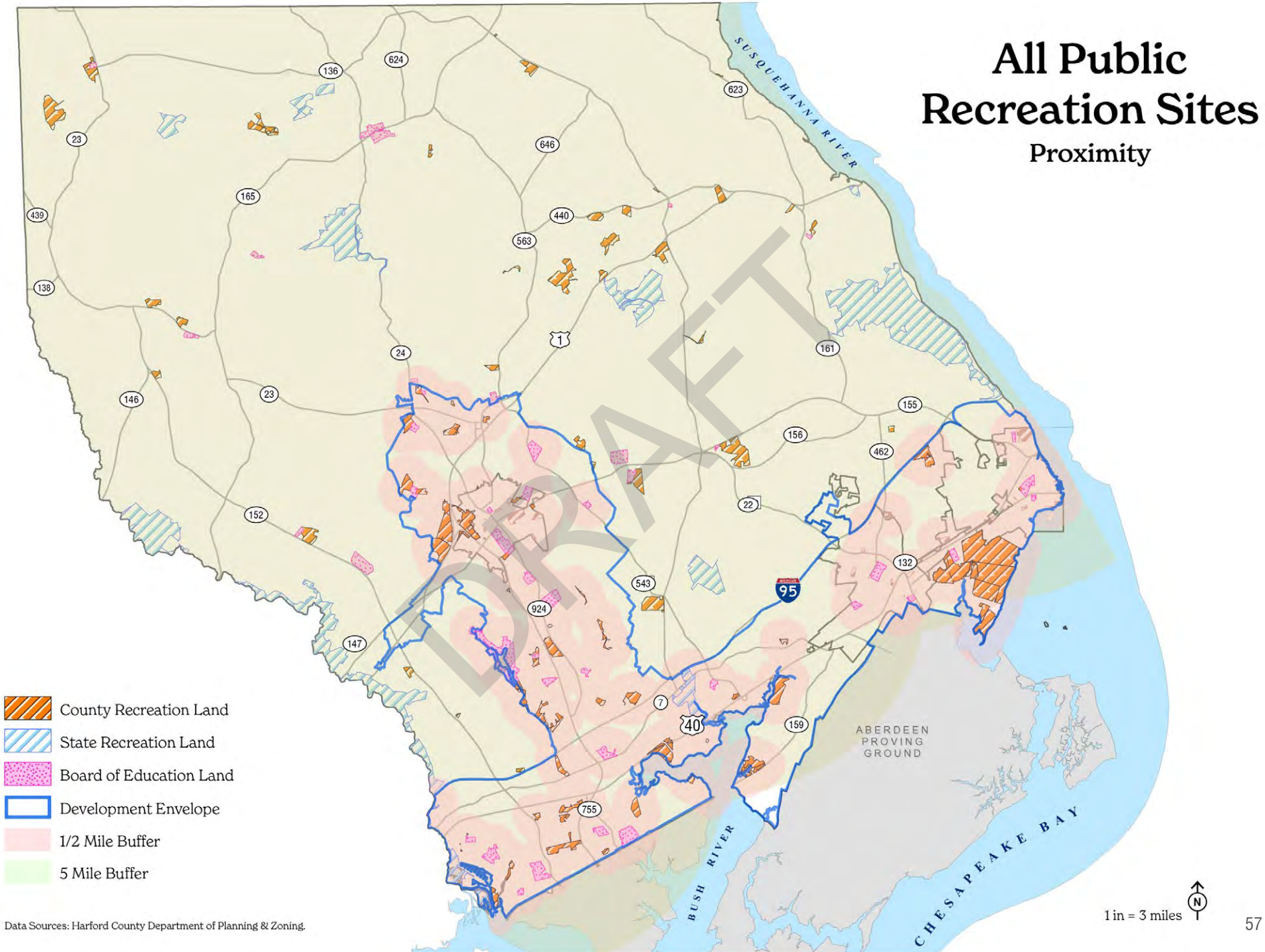


-  County Recreation Land
-  State Recreation Land
-  Board of Education Land
-  5 Mile Buffer

Data Sources: Harford County Department of Planning & Zoning.

1 in = 3 miles 

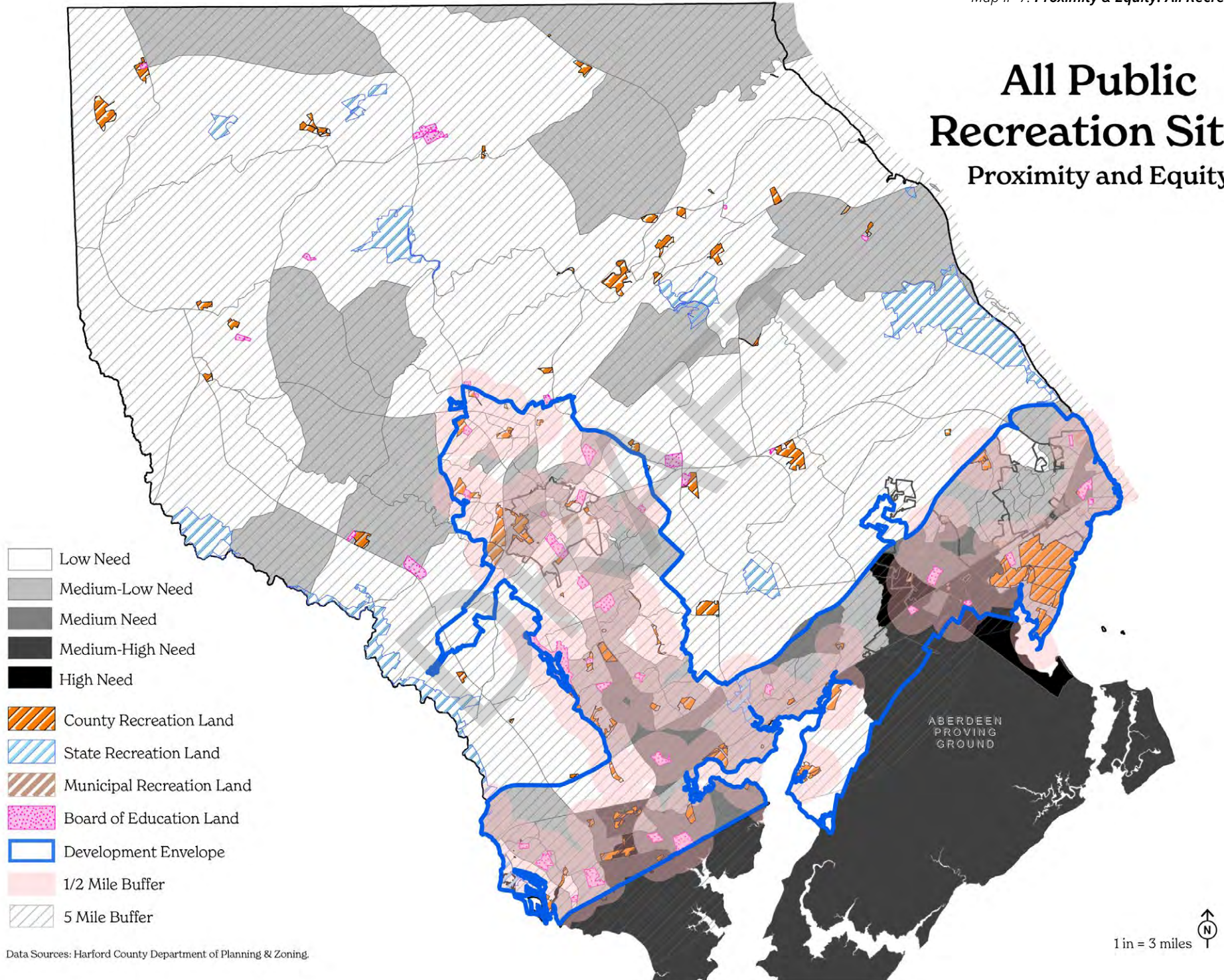
All Public Recreation Sites Proximity



Data Sources: Harford County Department of Planning & Zoning.

All Public Recreation Sites

Proximity and Equity



Data Sources: Harford County Department of Planning & Zoning.

Facilities

For the 2022 LPPRP, the analysis of recreation facilities in Harford County takes two major issues into consideration; 1) the results of the public survey, and 2) the existing partnership that exists between the Department of Parks and Recreation and the Harford County Public School system. The analysis examines facilities for the following activities, which represent the highest priority recreation facilities as determined by the department:

- Sports Fields/ Ball Diamonds
- Recreation Centers/Gymnasiums
- Public Playgrounds
- Trails
- Fishing and Water Access
- Picnic Facilities

Sports Fields/ Ball Diamonds

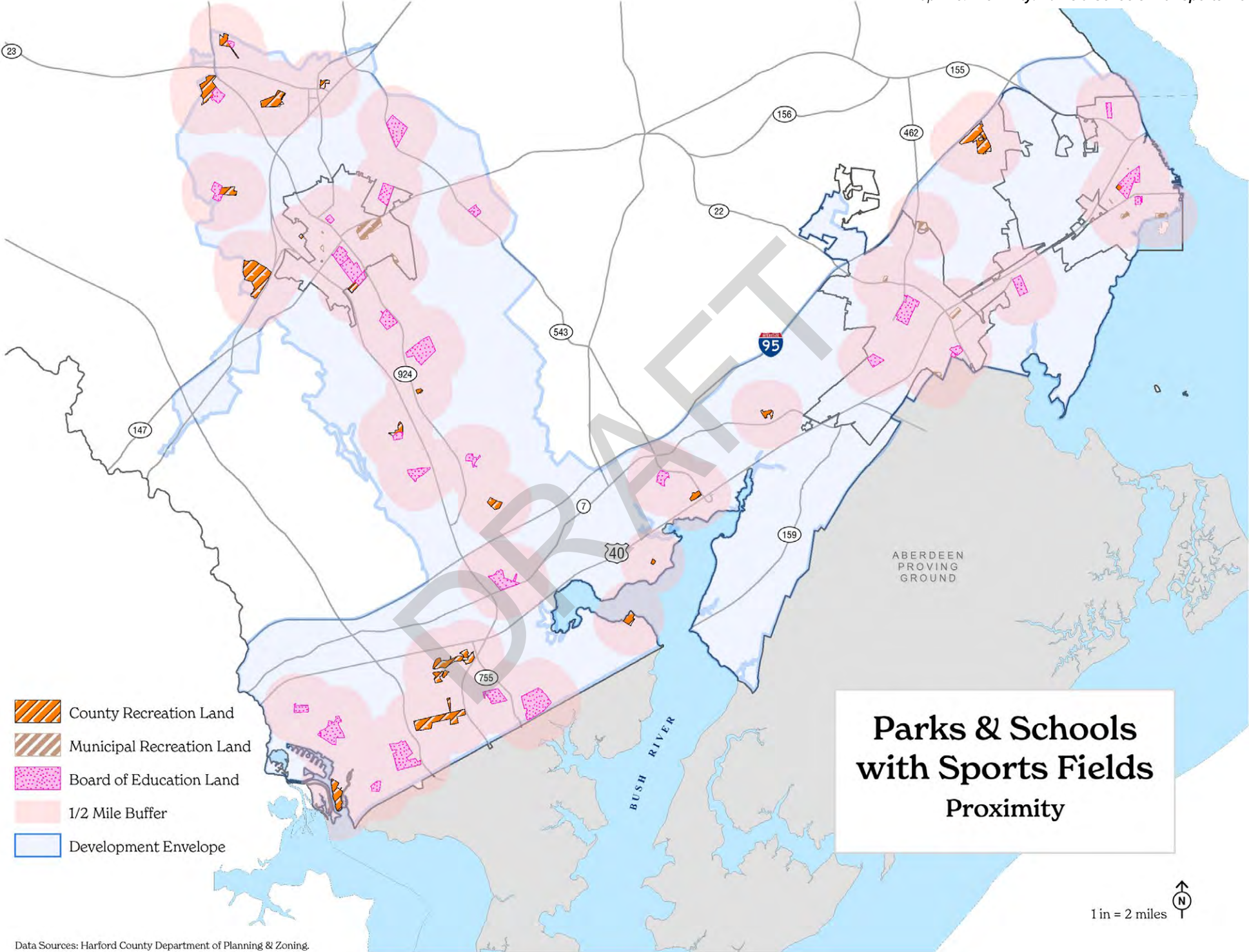
Recreation Council partners are major users of existing sports fields and baseball and softball diamonds in the County parks and recreation system. This is the primary reason these facilities were chosen for analysis in the 2022 LPPRP. As part of the analysis there are several factors that need to be remembered concerning sports fields and diamond use. 67% of the diamonds (124 out of 185) in the County are located at school sites and 50% of sports fields (105 out of 208) are also located at school sites. These diamonds and sports fields are available for recreation councils in accordance with the joint use agreement, but school use takes priority.⁵ The same field shape (rectangle) is used for four different team sports—football, soccer, field hockey, lacrosse—which magnifies demand. Football fields located on natural grass fields are often dedicated to football, but soccer, field hockey, and lacrosse fields are typically shared. The County's public field inventory includes multi-purpose fields that are smaller than regulation size fields needed for games. While these smaller fields provide area for practice or clinics, they are not usable for game purposes. While Cedar Lane Park does provide dedicated field space for the Emmorton Recreation Council's

football and baseball programs, the availability of remaining field space at the park to meet local recreation needs is impacted by the effort to attract larger out-of-county and out-of-state tournaments to this facility. Some field sports, which have historically been seasonal, are now operating through more than one season—in some cases, almost year-round. Soccer has traditionally been a fall sport, but spring soccer remains popular. Fields also need to be rested and rotated in their use to maintain safe playing surface for users. Additionally, sports such as football and lacrosse are more damaging to natural turf fields compared to baseball and softball.

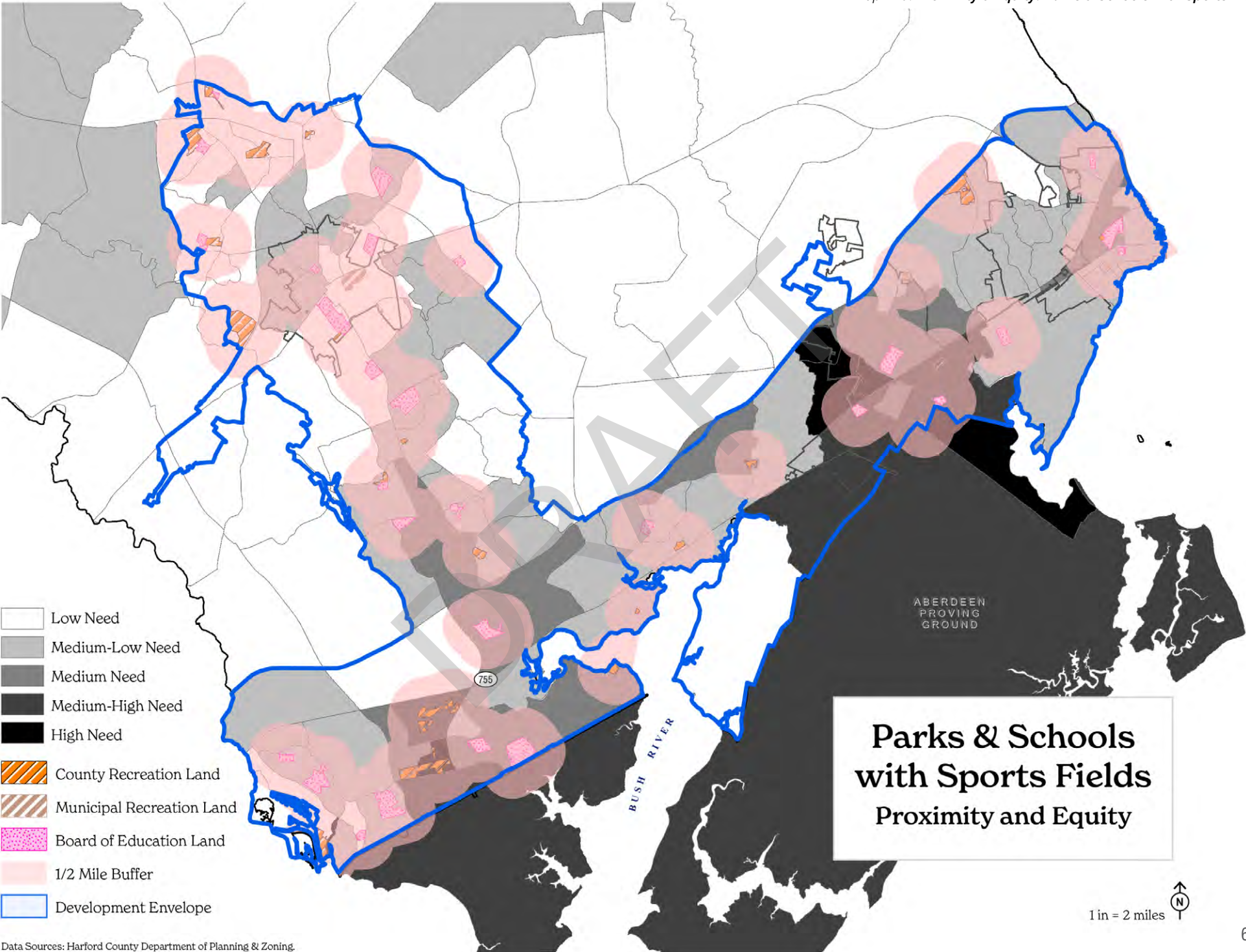
Two additional trends are having a significant impact on the supply and demand for fields and diamonds in Harford County. Lacrosse continues to grow as a major spring sport for both boys and girls. A high percentage of Harford County's soccer/lacrosse fields are overlay fields and share the outfield of a baseball/softball diamond. Overlay fields have traditionally worked very well as an efficient use of land since soccer was played in the fall and baseball and softball in the spring. The use of the field for lacrosse in the spring creates a conflict with the baseball/softball option for scheduling. Demand also is growing for sports during traditional off-seasons, such as spring soccer or fall baseball. Scheduling guidelines for Harford County facilities give priority to the traditional sports schedule. A few recreation councils have sponsored such programs when fields or diamonds were available. Growths in “off-season” programs and interest by other recreation councils in establishing such programs continue to generate demand for additional facilities.

The proximity analysis for the overall availability of parks with sports fields or diamonds within the Development Envelope identify opportunities for future sites in several communities. Again, this analysis is based on a 1/2- mile radius for walkability standard and focuses in on the area inside of the Development Envelope because the entire area outside of the Development Envelope is covered by the 5-mile buffer (Map II–8). Community areas that provide opportunities for future sports fields or diamonds include Joppa, Edgewood, Forest Hill, Hickory-Fountain Green, Emmorton/Abingdon, Belcamp/Perryman, Aberdeen, and Havre de Grace.

⁵ The Harford County Board of Education and Department of Recreation and Parks have had a joint use agreement for school recreation facilities since the 1960s. Recreation programs offered by the department and the recreation councils are given second priority (behind school use) for all school facilities. Diamonds, fields, and courts at the schools are an integral part of the Harford County recreation system.



Data Sources: Harford County Department of Planning & Zoning.



- Low Need
- Medium-Low Need
- Medium Need
- Medium-High Need
- High Need
- County Recreation Land
- Municipal Recreation Land
- Board of Education Land
- 1/2 Mile Buffer
- Development Envelope

**Parks & Schools
with Sports Fields
Proximity and Equity**

Data Sources: Harford County Department of Planning & Zoning.

Map II-9 identifies the County Parks and Recreation sports fields or diamonds relative to the Overall Park Equity Analysis. The areas with the medium, medium-high, or high-need that are also not within 1/2-mile of the existing facilities are in the following communities: Edgewood, Emmorton, Belcamp, Aberdeen, and Havre de Grace.

Recreation Centers/Gymnasiums

Recreation Council partners also are major users of existing recreation centers and gymnasiums in the County parks and recreation system, and it is for this reason these facilities were chosen for analysis in the 2022 LPPRP. As part of the analysis there are some factors that need to be remembered related to recreation centers and gymnasiums use. While the County has added recreation centers to its inventory in the past, 89% of the gymnasiums (86 out of 96) in the County are located at school sites. These gymnasiums are available for recreation councils in accordance with the joint use agreement, but as with sports fields and diamonds, school use takes priority.⁶ Recreation Centers and gymnasiums are used year-round, not only for organized and casual basketball, but for indoor soccer, cheerleading, gymnastics, and other activities. Furthermore, while there are fewer sports during the winter season, when use of indoor facilities is higher, the supply of gymnasiums in the County recreation system is substantially lower than sports fields and diamonds. Coupled with this situation is a growing increase in indoor programs with the Recreation Councils. As a result, there is significant competition for and use of gymnasiums throughout the system.

The proximity analysis for the overall availability of recreation centers and gymnasiums identifies opportunities for future sites in several communities including Joppa, Edgewood, Emmorton, Belcamp, Aberdeen, and Havre de Grace. Again, this analysis is based on a 1/2-mile radius for walkability standard inside the Development Envelope and a 5-mile radius outside (Map II-10). Outside the Development Envelope, the proximity analysis using the 5-mile radius shows almost the entire area is within a 15-minute drive to a recreation or gymnasium. This 15-minute drive also includes the Route 24 corridor, north of Abingdon and a portion of the greater Aberdeen area inside the Development Envelope.



McFaul Activity Center Gymnasium



Forest Hill/Hickory-Fountain Green Recreation Center Indoor Arena

⁶ The Harford County Board of Education and Department of Recreation and Parks have had a joint use agreement for school recreation facilities since the 1960s. Recreation programs offered by the department and the recreation councils are given second priority (behind school use) for all school facilities. Diamonds, fields, and courts at the schools are an integral part of the Harford County recreation system.

When comparing the Proximity map to the Overall Park Equity map reveals the following observations (Map II–11). The areas with medium-high or high need and are also not within a 5-mile or 1/2-mile distance of a recreation or gymnasium are in Edgewood, Emmorton, and parts of Aberdeen.

Playgrounds

Based on survey results and informal observations, the availability of playgrounds for parents and children to gather informally adds significantly to the local quality of life. In response to the survey question asking about their top activities at County parks sites, more than 35% of respondents stated using playgrounds. Additionally, over the past 15 years, the Department has worked with Harford County Public Schools to upgrade playgrounds, particularly at County elementary school sites. As a result, 50% of playgrounds are on school sites, and school-based playtime may account for the vast majority of school playground usage. However, playgrounds at school sites are available for public use outside of school hours. Given this information, school sites were also included in the proximity and park equity analysis. Furthermore, general observations suggest that the demand for playgrounds may be much greater than the analysis and survey results indicate. The department is aware of the need to continue developing creative play facilities and updating existing facilities. Playgrounds are also an important component in increasing active play among children.

The proximity analysis for the overall availability of sites with playgrounds identify opportunities for future sites in several communities. Again, this analysis is based on a 1/2-mile radius for walkability standard and focuses in on the area inside of the Development Envelope because the entire area outside of the Development Envelope is covered by the 5-mile buffer (Map II–12). Communities that provide opportunities for future playgrounds are throughout the Development Envelope including Edgewood, Forest Hill, Hickory-Fountain Green, Emmorton/Abingdon, Belcamp/Perryman, and Havre de Grace. This 15-minute drive also includes much of the area inside the Development Envelope along the Route 24 and half of the Route 40 corridors.

Comparing the Proximity maps to the Overall Park Equity mapping reveals the following observations (Map II–13). The areas in highest need that are not

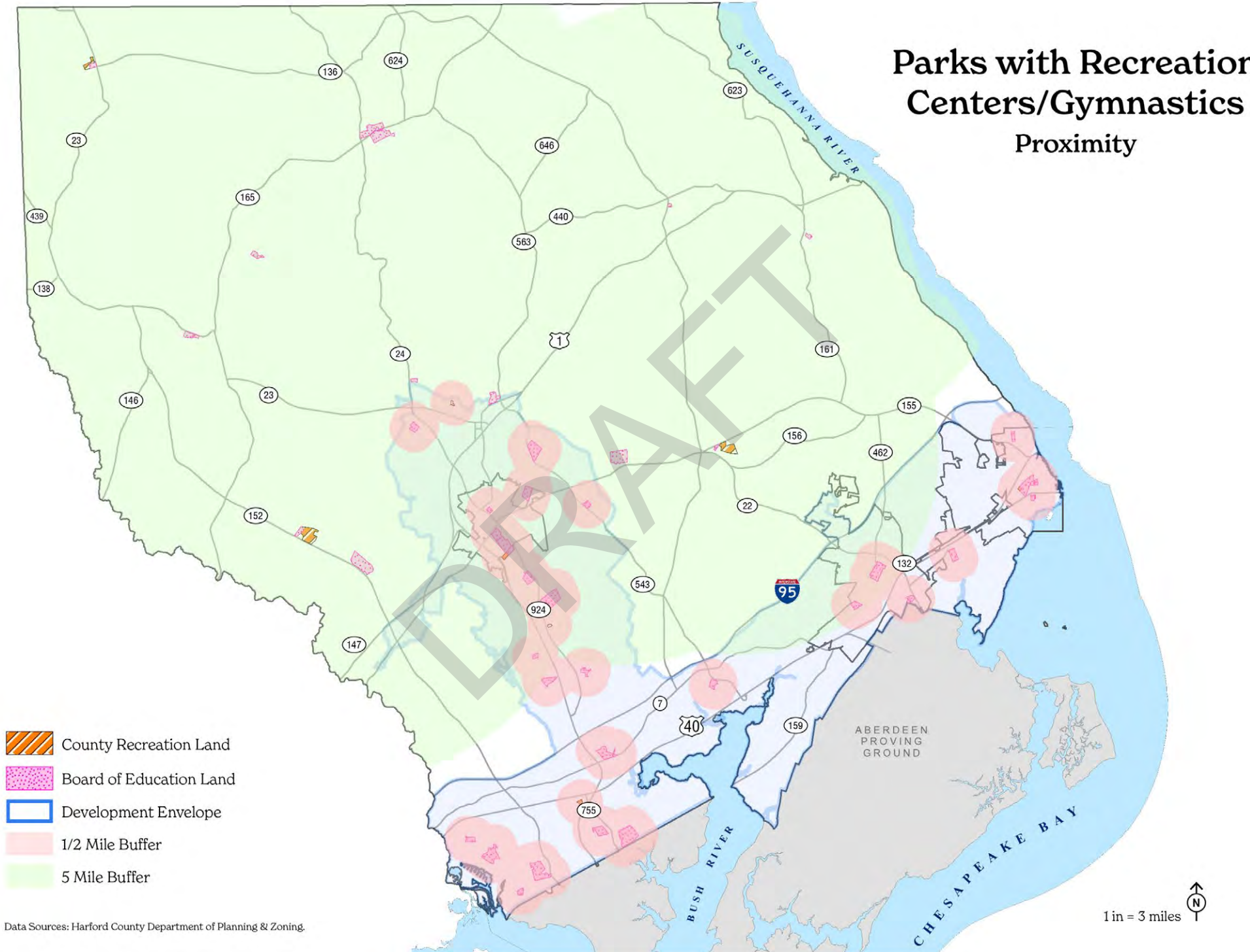
currently within 1/2-mile of a playground facility are in Belcamp and Aberdeen, or Edgewood. There are also areas in medium and medium-high need in Emmorton.

The plan also compared the Proximity maps to the areas in the County with a high concentration of children under 17 (Map II–14). There are several areas with a medium-high or high concentration of children under 17 that are not currently within 1/2-mile of a park site with a playground. There areas are in Joppa, Hickory-Fountain Green, Emmorton, Edgewood, and Aberdeen. As previously discussed, it should be noted there are areas within Aberdeen Proving Ground (APG) on the south end of the County, that have a high concentration of children, but APG provides recreation services to its resident population.



Longley Park Playground

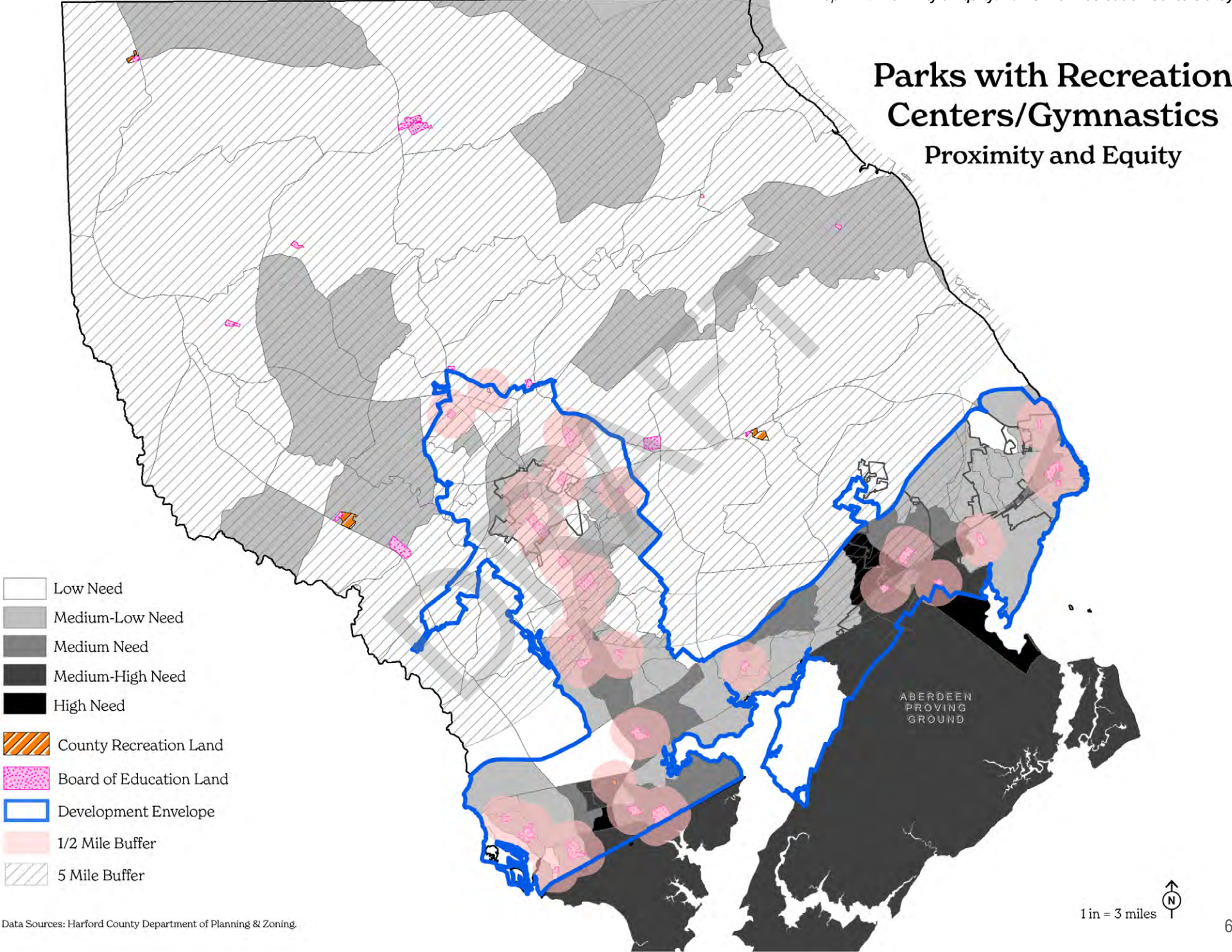
Parks with Recreation Centers/Gymnastics Proximity



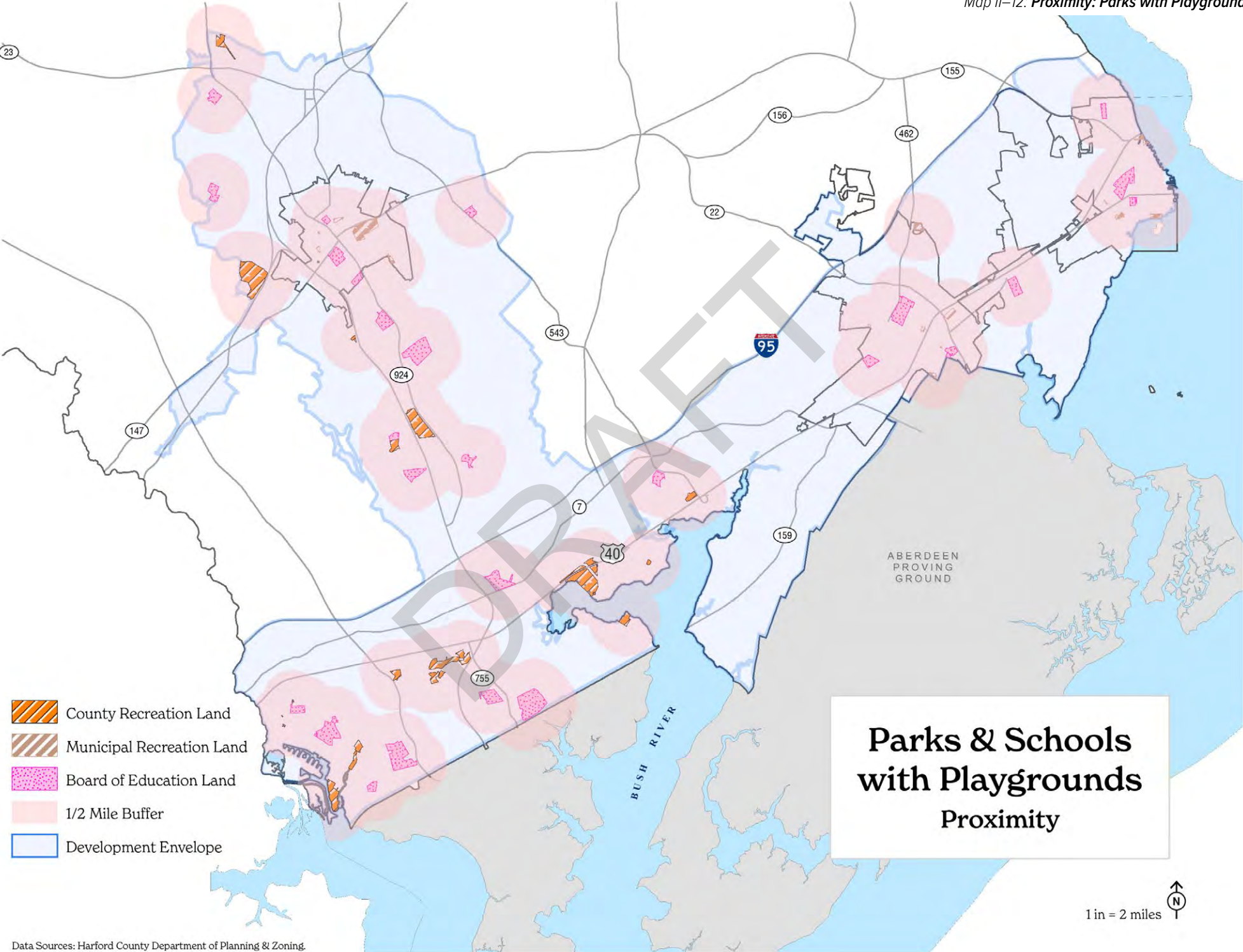
Data Sources: Harford County Department of Planning & Zoning.

Parks with Recreation Centers/Gymnastics

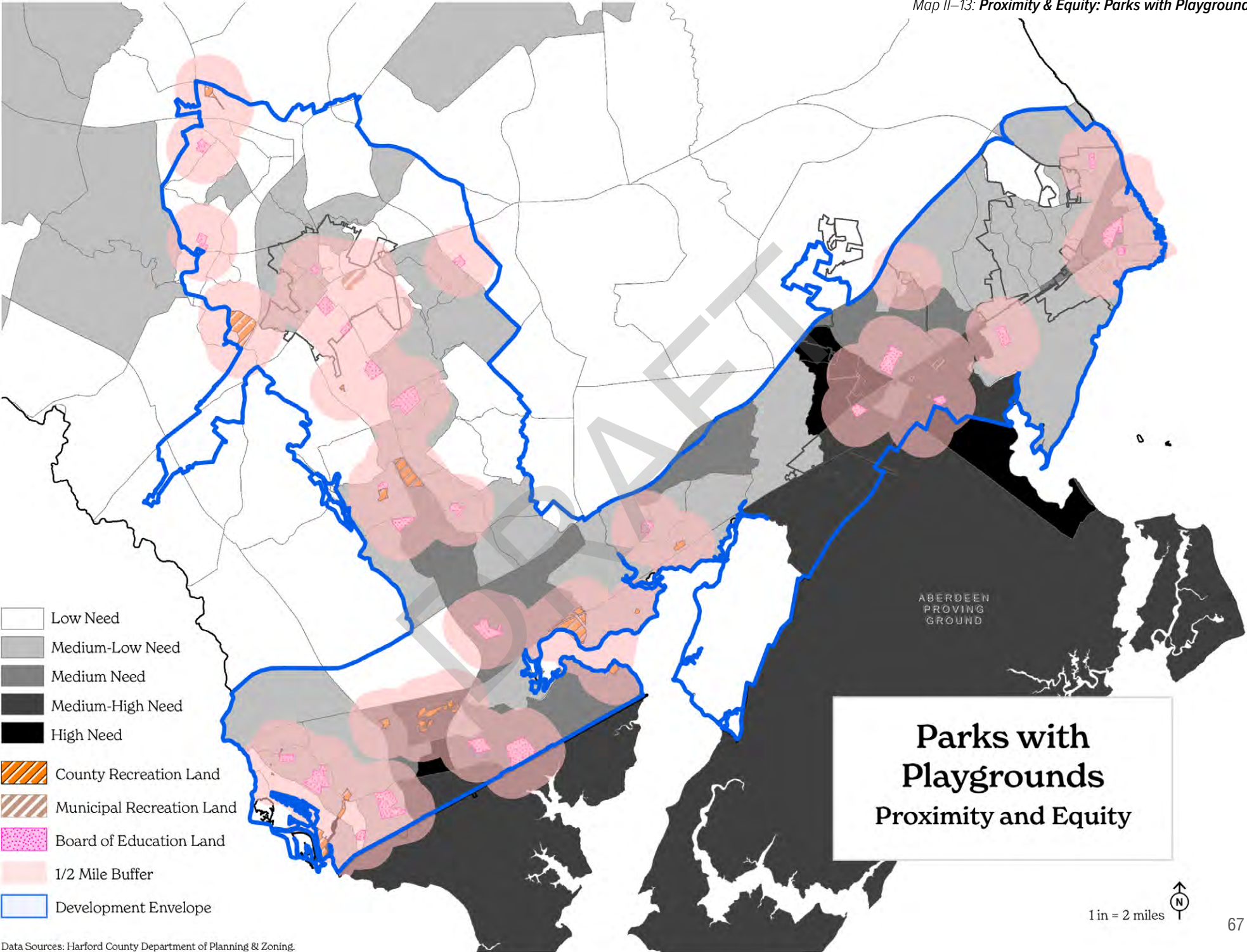
Proximity and Equity



Data Sources: Harford County Department of Planning & Zoning.



Data Sources: Harford County Department of Planning & Zoning.



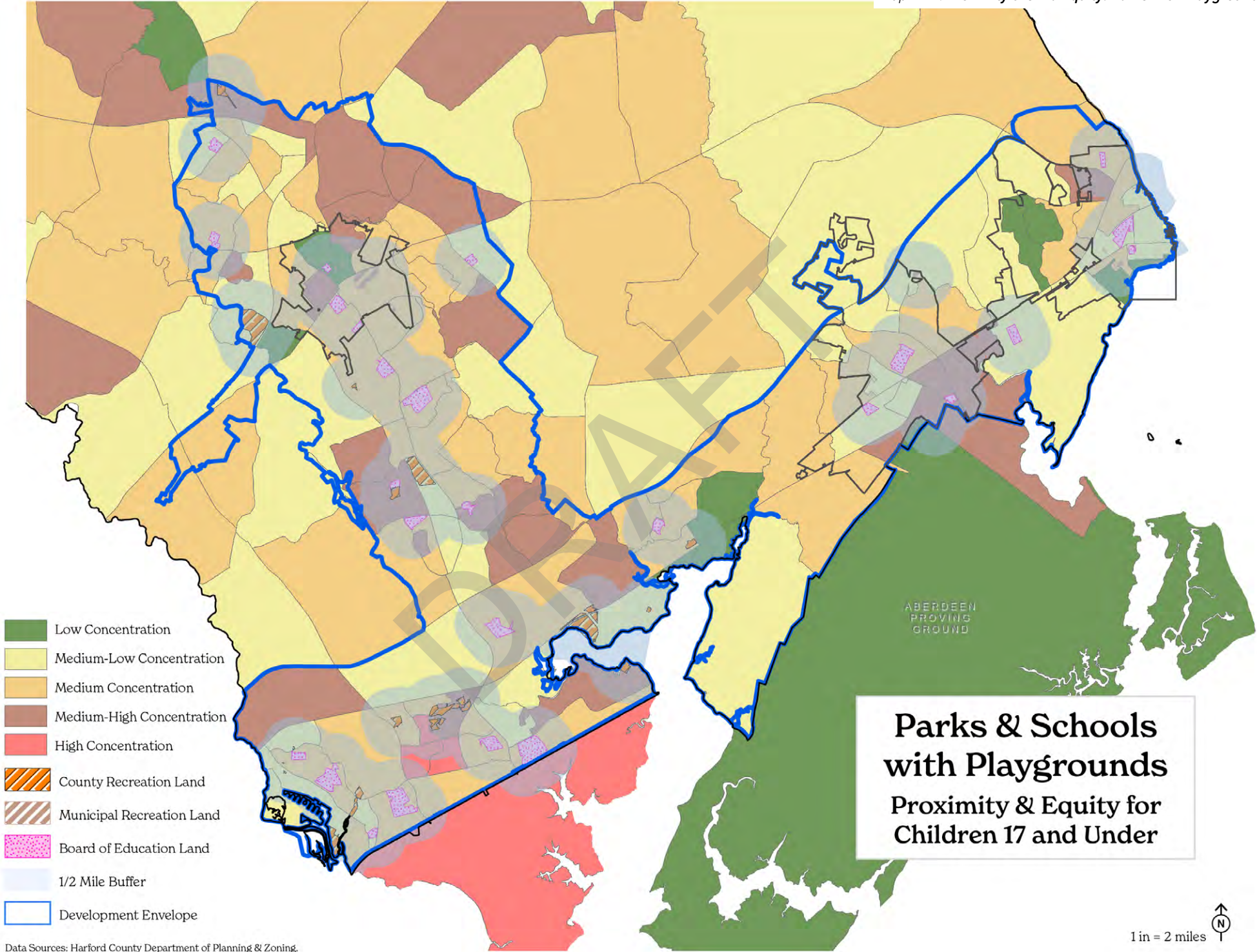
- Low Need
- Medium-Low Need
- Medium Need
- Medium-High Need
- High Need
- County Recreation Land
- Municipal Recreation Land
- Board of Education Land
- 1/2 Mile Buffer
- Development Envelope

Parks with Playgrounds
Proximity and Equity

1 in = 2 miles



Data Sources: Harford County Department of Planning & Zoning.



Trails

In addition to the State wanting trails including in the proximity and equity analysis, the public survey shows there is significant interest in additional trails throughout Harford County. Trails are used for a variety of purposes (including fitness, environmental education, and quiet contemplation) and in several modes (such as walking, running, hiking, bicycling, horseback riding). The 2022 LPPRP recognizes the value of trails and supports the creation of a countywide trail system, including connections between activity centers, residential developments, parks, schools, Harford Community College, and employment/shopping centers. The plan also recognizes the need to provide and improve facilities with multi-use loop trails. These loop trail systems at park sites can provide access to specific park amenities, such as athletic fields, but can also provide opportunities for simply walking and enjoying the natural surroundings at park sites. Trails can be an integral part of the County's bicycle and pedestrian network, and working with the Department of Planning and Zoning, the Department of Parks and Recreation supports the trail initiatives put forth in HarfordNEXT and the Bicycle and Pedestrian Master Plan. Together, these plans will help to incorporate trail systems into the County's active transportation network, thus providing multiple benefits to the community.

As mentioned in "Capital Recommendations and County Priorities" on page 80, Parks and Recreation will continue its efforts to complete the Ma & Pa Heritage Trail and other greenway/trails systems in support of the HarfordNEXT Master Plan efforts to create more walkable and bikeable communities. The connection of two existing sections of the Ma & Pa trail that will create a premier trail network stretching from Edgeley Grove Park in Fallston to Friends Park in Forest Hill. Once complete the approximately 2-mile connecting section of the trail will create an approximately 8-mile trail connecting Edgeley Grove Park in Fallston, through the Town of Bel Air, to Blake's Venture Park and ultimately to Friends Park in Forest Hill. The scenic Ma & Pa Trail attracts thousands of visitors each year and is Harford County government's most popular parks and recreation facility. Future connections to the Ma & Pa trail from other properties, such as Mt. Soma, should be considered in partnership with property owners and the State Highway Administration, as necessary.

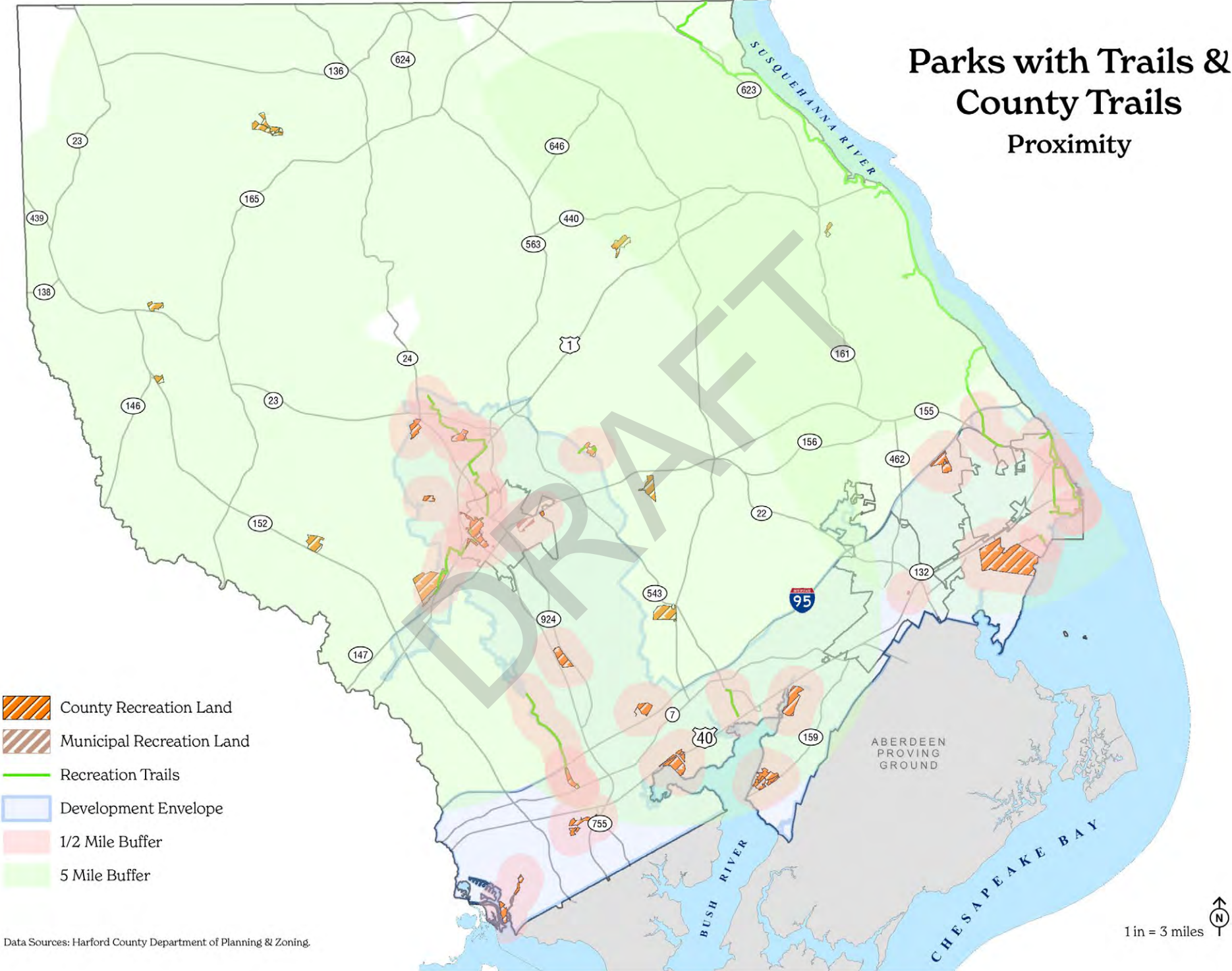
Additionally, there are existing trail systems that are under development in the County including the Lower Susquehanna Heritage Greenway (LSHG), the

Captain John Smith National Historic Trail, the Star-Spangled Banner National Historic Trail and Byway, and the Washington- Rochambeau National Trail all of which traverse the LSHG. Another major trail component passing through Harford County is the East Coast Greenway. The East Coast Greenway Trail Network is a multi-user trail network connecting urban centers along the East Coast of the United States. The trail will extend from Maine to Key West, Florida. The greenway route will consist of a series of locally managed segments. In Harford County, the proposed East Coast Greenway Trail will travel from the Susquehanna River at U.S. Route 40, then up along the river utilizing part of the LSHG trail network before going west across the County to connect with the Torrey Brown Trail in Baltimore County.

The proximity analysis for the overall availability of parks with trails within the Development Envelope identify opportunities for future sites in several communities. Again, this analysis is based on a 1/2-mile radius for walkability standard inside the Development Envelope and a 5-mile radius outside (Map II-15). Communities that provide opportunities for future trails are throughout the Development Envelope including Joppa, Edgewood, Forest Hill, Hickory-Fountain Green, Emmorton/Abingdon, Belcamp/Perryman, Aberdeen, and Havre de Grace. Outside the Development Envelope, the proximity analysis using the 5-mile radius shows most of the entire area is within a 15-minute drive to a park with trail. This 15-minute drive also includes much of the area inside the Development Envelope along the Route 24 corridor. This analysis used a 5-mile radius for the Ma & Pa trail as it is recognized as a County-wide amenity. Areas along the eastern edge of North Harford, including Level, Whiteford, and Delta-Cardiff, as well as the far northwest corner near Norrisville are areas where opportunities for future trails exist, although the analysis only considered County sites and there are existing trail systems in Susquehanna State Park.

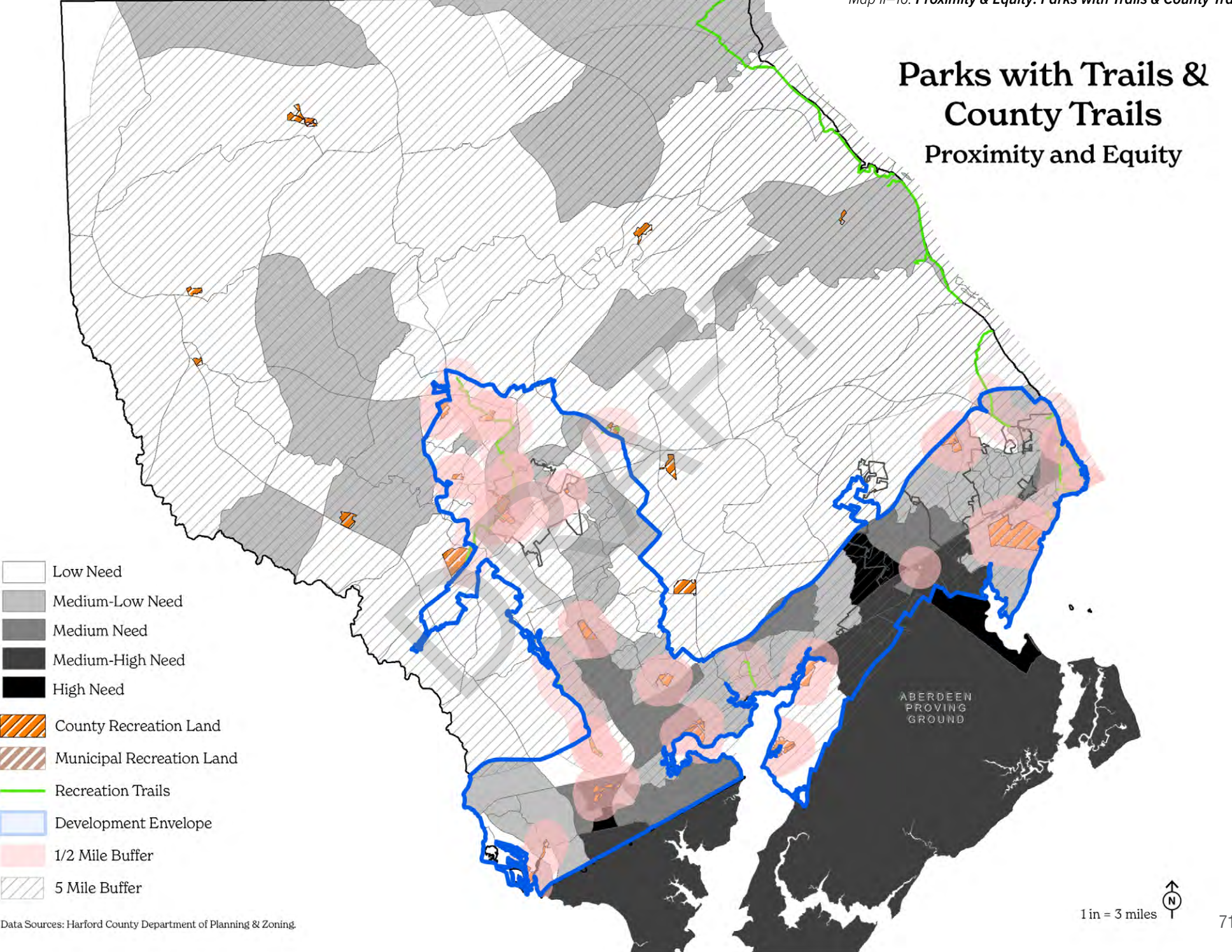
Comparing the Proximity Analysis mapping to the Park Equity Analysis reveals the following observations (Map II-16). Of the three areas in highest need - in Belcamp, Aberdeen, and Edgewood, the areas in Belcamp and Aberdeen are within 5 miles of a trail facility, but not within 1/2-mile. The area in Edgewood is mostly served by a facility with a trail. There are areas in Joppa and Edgewood that not within a 1/2-mile or 5-mile radius of a facility with a trail. As previously discussed, it should be noted there are areas within Aberdeen Proving Ground (APG) that are high need and not in a vicinity of a trail, but APG provides recreation services to its resident population.

Parks with Trails & County Trails Proximity



Data Sources: Harford County Department of Planning & Zoning.

Parks with Trails & County Trails Proximity and Equity



Data Sources: Harford County Department of Planning & Zoning.

Boating, Fishing and Water Access

As reflected in the State's requirements for the LPPRP and the public survey conducted as part of LPPRP process, public access to water, particularly for boating, remains an important issue in Harford County. Population increases have spawned a large increase in demand for boating access to the Chesapeake. There are twenty boat launch facilities in Harford County. Some of these facilities can accommodate motorized boats as well as non-motorized boats. Others can only accommodate non-motorized boats. Ten of the facility locations—Anita C. Leight Estuary Center, Broad Creek Landing, Eden Mill, Eleanor and Millard Tydings County Park, Flying Point Park, Line Bridge Road, Mariner Point Park, Otter Point Creek, Swan Harbor Farms, and Willoughby Beach Landing—are owned and operated by the Harford County Department of Recreation and Parks. Three of the facilities—Havre de Grace Yacht Basin, Hutchins Memorial Park, McLahiney Park, and Jean S. Roberts Memorial Park—are owned and operated by the City of Havre de Grace. The State of Maryland has the Lapidum and Stafford Bridge access boat launches as well as Trestle Canoe Launch in Susquehanna State Park. Shuresville Landing and Glen Cove boat launches, both of which are available to the public, are owned by the Exelon Corporation.

Finding additional locations for boat ramps in Harford County is a difficult proposition for several reasons:

- The Federal government, through the Aberdeen Proving Ground, owns more than 70 percent of the County's shoreline.
- DNR requires a minimum of three acres of usable land to construct a motorized boat launch.
- Much of the Harford shoreline is inaccessible from the water because of submerged aquatic vegetation—vegetation below the water surface, which must be protected. Water depth is also a consideration in locating launch sites, and some estuarine areas in the Route 40 corridor are too shallow to permit motorized boat launching.

In addition to land-based trails, the Maryland Department of Natural Resources is developing a series of blueways. These are water trails with routes along a river or across other bodies of water, such as a lake or salt water, for people using small beachable boats like canoes, kayaks, or rowboats. The Maryland Water Trails and Public Access Planning Program works with project partners

(including state, local and federal governments) to develop and promote water trails and public waterway access sites that provide recreational boating opportunities for people to enjoy.

As a result of these circumstances, the proximity analysis for the overall availability of parks with fishing and water access uses the 5-mile radius, a 15-minute drive, for all sites in the County (Map II-17). Using this criterion, all of the southern and central areas of the County as well as much of the northern area of the County is within a 15-minute drive of a park site with fishing or access to water. Areas along the western edge of the County, including Fallston, Jarrettsville, and Norrisville are areas where opportunities for future water access development exist, although the analysis only considered County sites and there is existing water access in Gunpowder State Park, along the Harford-Baltimore County border.

Using the Park Equity Analysis mapping reveals the following observations (Map II-18). Based on the 15-minute drive criterion, virtually all communities in medium, medium-high, or high need have convenient access to park sites with fishing or water access. Only an area in the Jarrettsville community is outside of 5 miles from a County park site with fishing or water access.



Mariner Point Park Canoe/Kayak Launch

Picnic Facilities/Areas

As part of the 2022 LPPRP process, the Department of Natural Resources required the inclusion of picnic facilities as part of the analysis of the County system. For purposes of this analysis, picnic facilities are considered areas within parks or recreation facilities that provide picnic benches and/or pavilions that can accommodate multiple individuals or user groups. This can also be considered consistent with the public survey results where 39% of respondents answered, “Enjoy nature” in response to the question about top activities during park visits.

The proximity analysis for the overall availability of park sites with picnic facilities identify opportunities for future sites in several communities. Again, this analysis is based on a 1/2- mile radius for walkability standard and focuses in on the area inside of the Development Envelope because the entire area outside of the Development Envelope is covered by the 5-mile buffer (Map II–19). Communities that provide opportunities for future picnic facilities are throughout the Development Envelope including Joppa, Edgewood, Forest Hill, Hickory-Fountain Green, Emmorton/Abingdon, Belcamp/Perryman, and Havre de Grace. Outside the Development Envelope, the proximity analysis using the 5-mile radius shows the entire area is within a 15-minute drive to a park site with picnic facilities. This 15- minute drive also includes much of the area inside the Development Envelope along the Route 24 and half of the Route 40 corridors.

When comparing the Proximity map to the Overall Park Equity mapping (Map II–20), the following communities have areas are most at risk and not within 1/2-mile of a picnic area: Belcamp, Aberdeen, Edgewood, Emmorton.

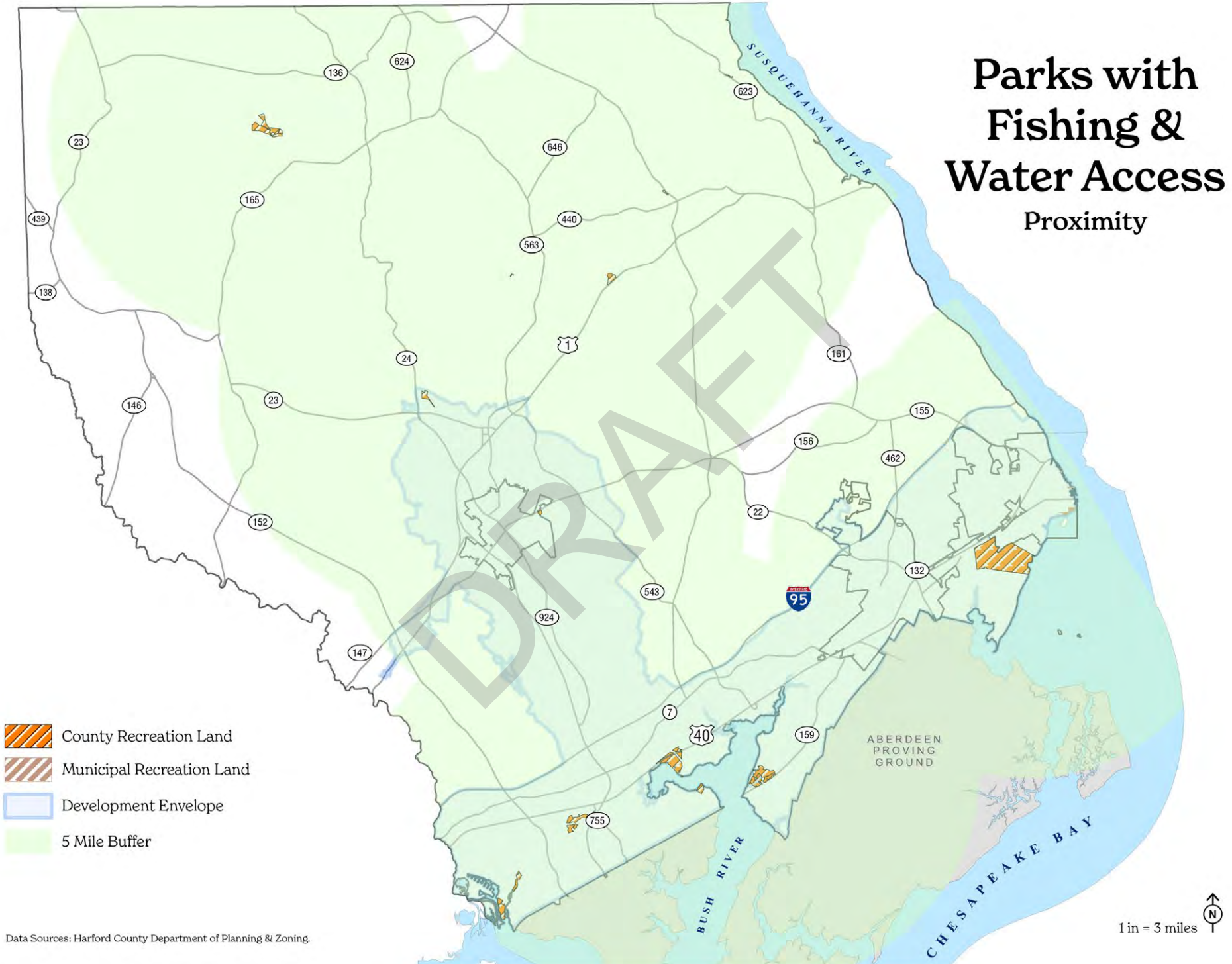


Fox Meadows Park Picnic Pavilion



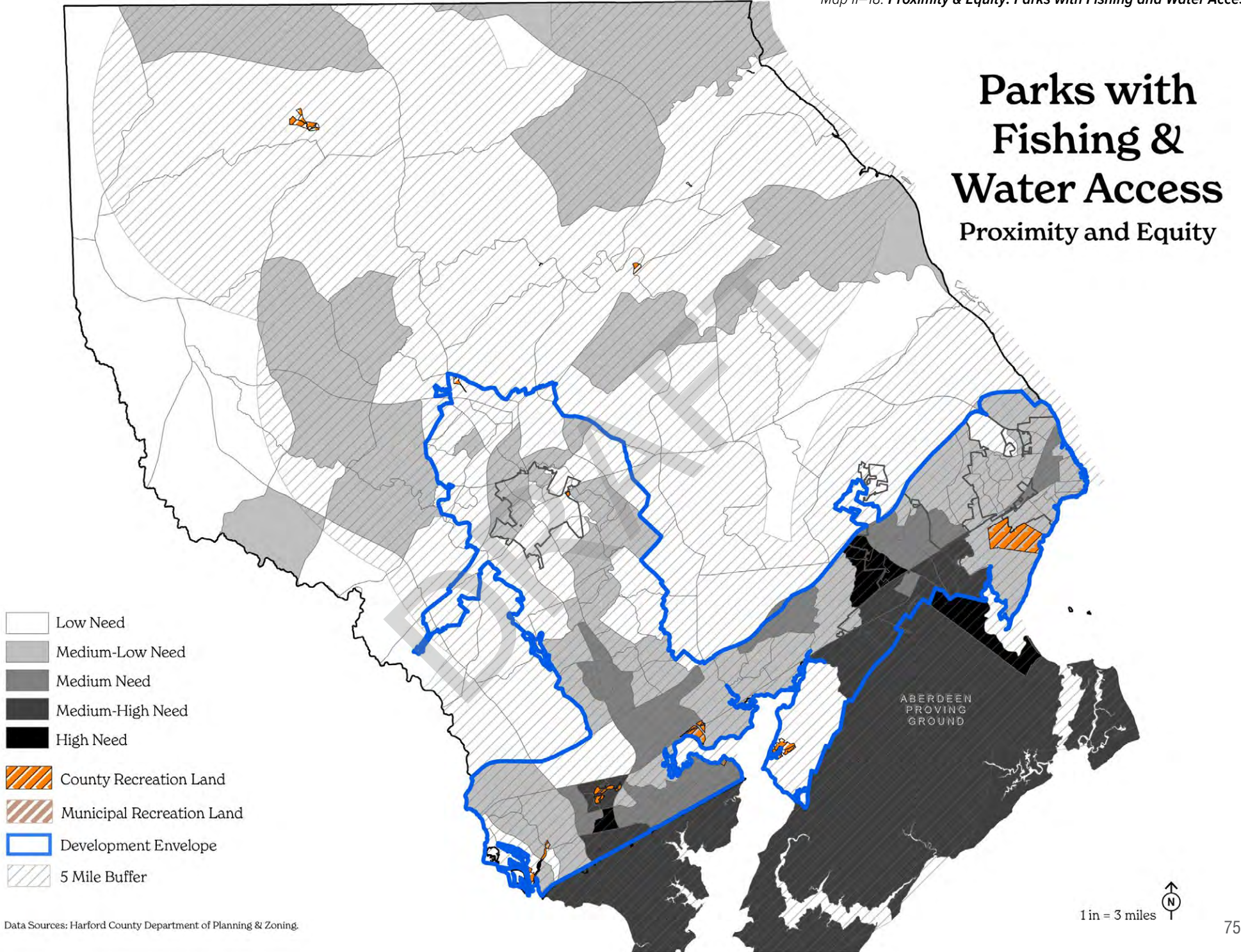
Bynum Run Park Gazebo

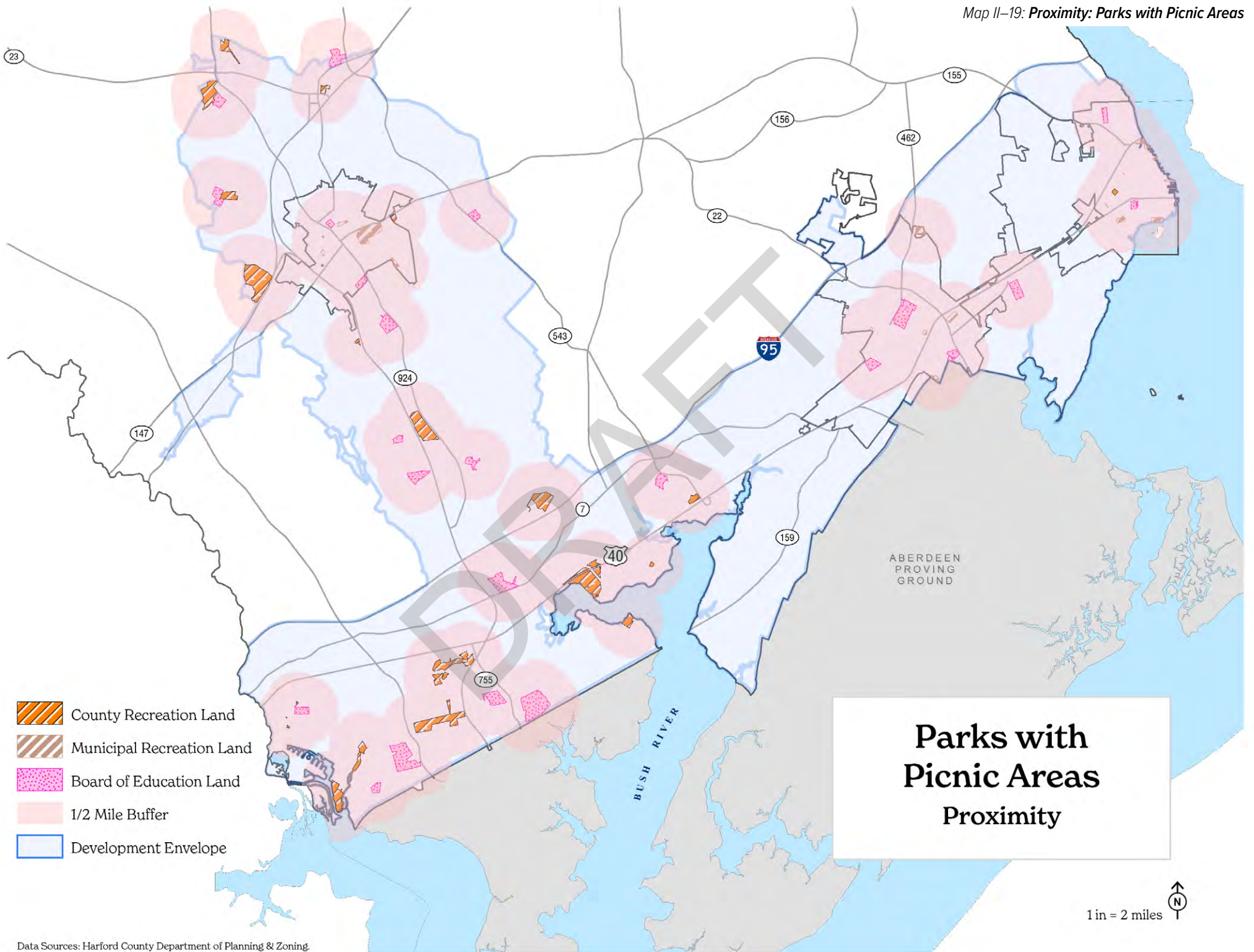
Parks with Fishing & Water Access Proximity

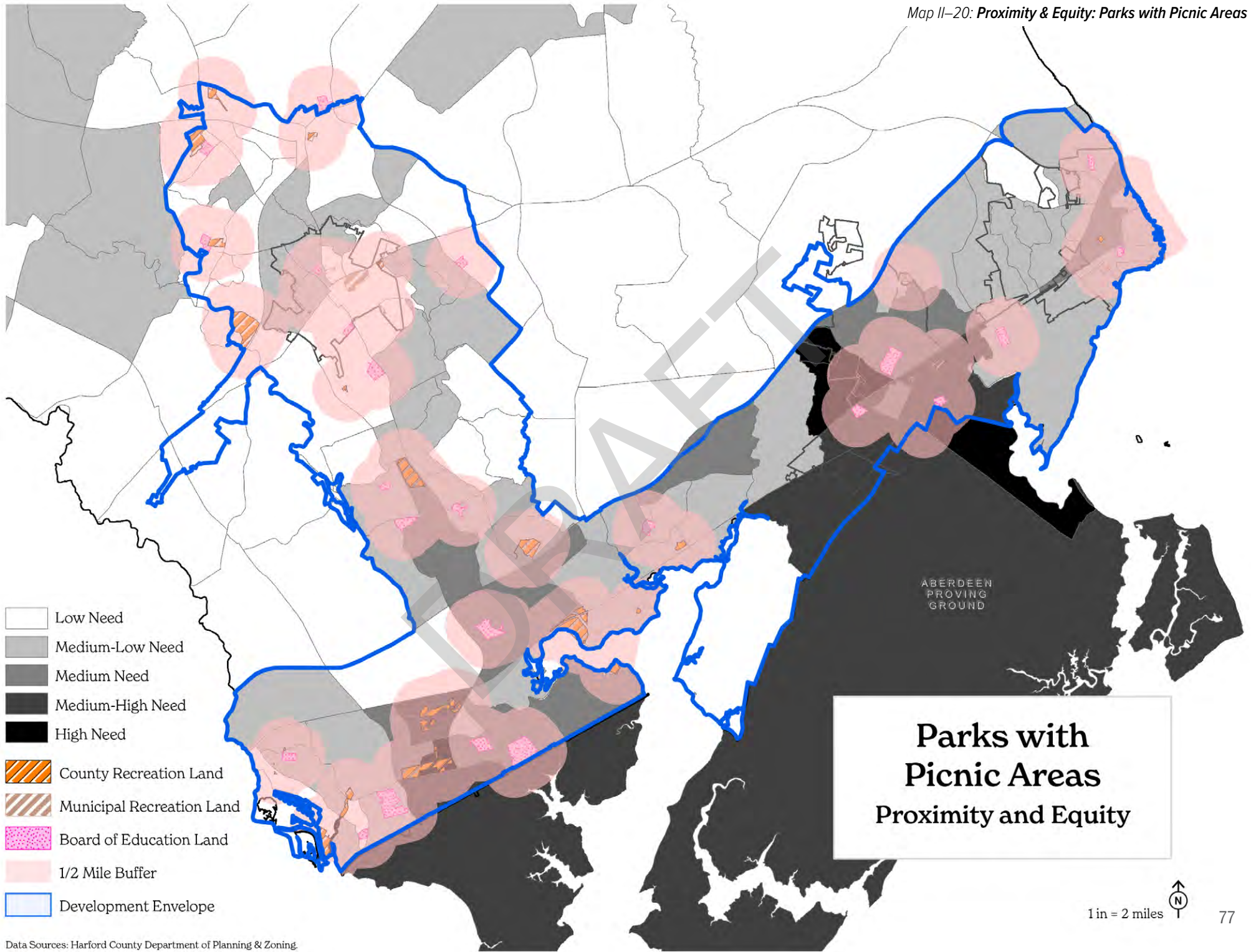


Parks with Fishing & Water Access

Proximity and Equity







- Low Need
- Medium-Low Need
- Medium Need
- Medium-High Need
- High Need
- County Recreation Land
- Municipal Recreation Land
- Board of Education Land
- 1/2 Mile Buffer
- Development Envelope

Parks with Picnic Areas
Proximity and Equity

1 in = 2 miles



Data Sources: Harford County Department of Planning & Zoning.

Role of Private Facilities

None of the private sector facilities nor the HOA-owned neighborhood active open space properties are included as part of the Needs Analysis, the Proximity Analysis, and the Park Equity Analysis that begins on page 52. By not including HOA-owned neighborhood active open space areas, this arguably downplays the recreational importance of these areas to neighborhood residents. Map II-21 shows if these areas are included as part of the proximity and equity analyses. Some of the current public recreation gaps inside the County's development envelope begin to be addressed; including areas north and west of the Town of Bel Air; areas on the east side of the Route 24/924 portion of the Development Envelope including areas of Emmorton and Fountain Green; areas along the Route 40 corridor including the communities of Abingdon and Belcamp. Some of the current Park Equity gaps inside the County's development envelope begin to be addressed; including areas on the east side of the Route 24/924 portion of the Development Envelope including areas of Emmorton and Fountain Green; areas along the Route 40 corridor including the communities of Abingdon and Belcamp.

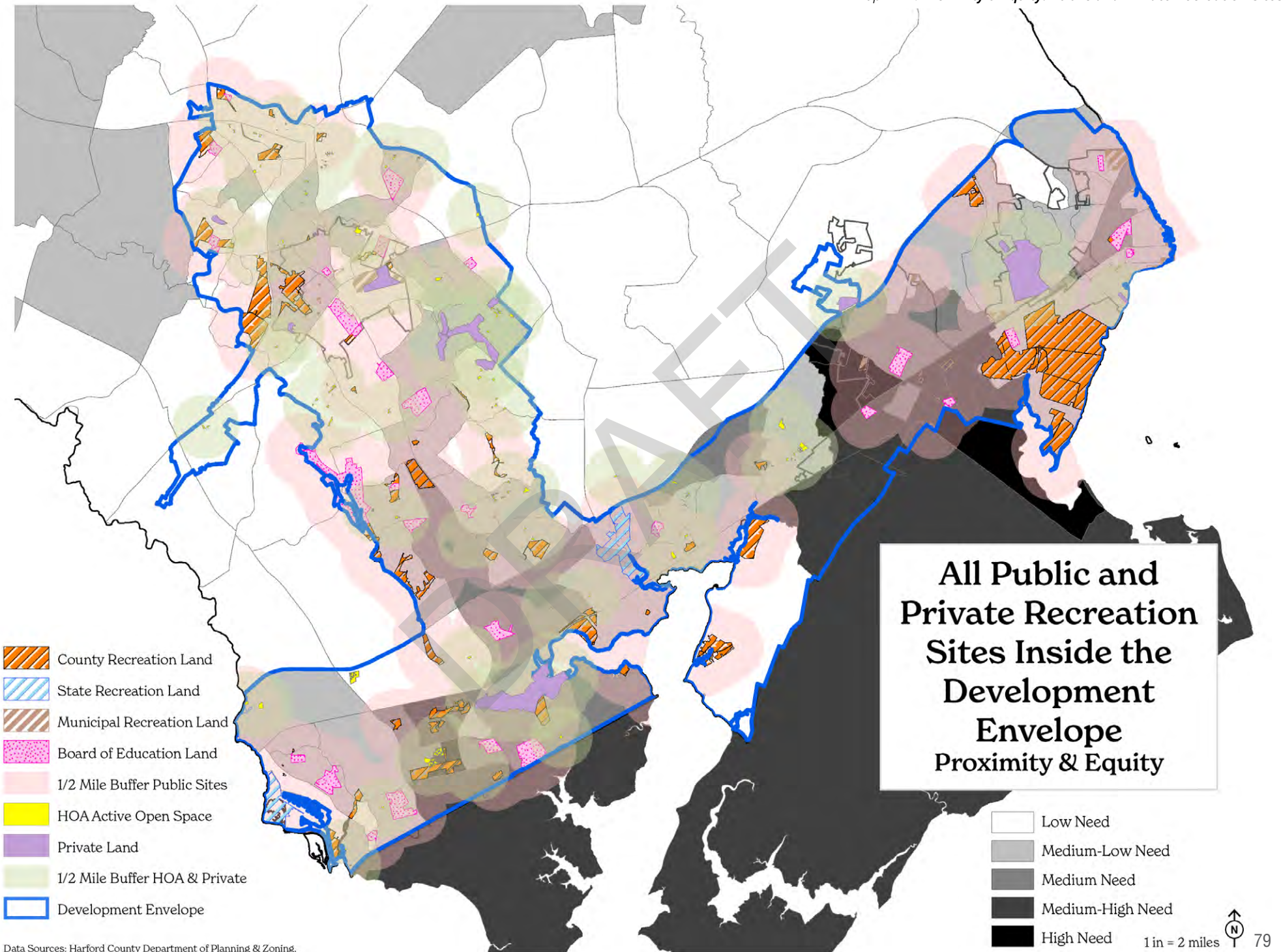


Schucks Road Park Sensory Trail – Grandioso Chimes



Fox Meadows Park Playground

DRAFT



Capital Recommendations and County Priorities

To establish priorities for acquisition, facility development, and rehabilitation, the Department of Parks and Recreation must balance the need to maintain and improve current infrastructure with the need to construct new facilities. Many existing park amenities were constructed in the 1970s and 1980s and have been in service for more than 40 years. Major renovations and rehabilitation efforts are necessary to ensure that facilities meet safety standards and ADA compliance and respond to current recreation trends. Attractive, well-maintained recreation facilities are an important component of community character and livability. The County makes significant investments each year to repair and renovate existing tennis courts, multipurpose courts, natural grass fields, parking lots, and other park amenities. In addition, replacing playgrounds at parks and schools is a vital factor in the fight against childhood obesity and antisocial behavior that requires funding from a myriad of sources including the County, the State, the municipalities, and other community groups.

Harford County will continue to acquire both active and passive parkland through the planning period and the Capital Improvement Plan. Maintaining the HarfordNEXT goal of 30 acres per 1,000 residents (ac/000) will require acquiring 334.1 acres of parkland in the next 8 years, and an additional 557.1 acres of parkland for the additional 15,000 residents expected in Harford County by 2035. As demonstrated by the Park Proximity and Park Equity Analysis, the areas of need for additional parkland are located within the Development Envelope. The County will continue to focus acquisition efforts on land in the Development Envelope, but the competition for and the price of available land make this proposed goal an ambitious one. In the Capital Improvement Plan (CIP), this will occur through the Parkland Acquisition project that will include at least 50% of the local-side Program Open Space funding for the duration of the CIP. While the County's focus for acquisitions will be on the areas of need in the Development Envelope, other acquisitions may be considered based on a number of factors including; environmental value, ecological value, additions to existing park sites, etc.

Existing parks and school properties will be developed while maintaining sensitive environmental areas and adequate neighborhood buffers. New parks will continue to be developed in phases, as available funding allows. The specific mix of facilities will be based on programming needs of the community, as well as the Proximity and Park Equity Analysis. The current demand for facilities and trends in sports activities, including year-round programming also will be contributing factors. Additionally, while the Department enjoys a partnership with Harford County Public Schools and has a joint use agreement concerning the use of both indoor and outdoor facilities at HCPS sites, the use of those facilities is impacted by individual and system wide HCPS decisions. Several recreation council areas only have HCPS sites available for their programming. Providing supplemental Department run parks will provide greater flexibility for programming by the Department and our Recreation Council partners in those communities and is an additional factor for project consideration.

Specific examples of new parks in the CIP include; Benson Field Development, whose development will include fields and trails in the Fallston area of the County; Norrisville Park, whose development will include fields, courts, and trails in the Norrisville area of the County; Vale Road Park, whose development will include fields and trails, including a proposed connection to the Ma & Pa Trail, in the west Bel Air area of the County; Northern Regional Park whose development will include fields and trails in the Whiteford area of the County; Perryman Park Development, whose development will include fields, trails, a picnic pavilion, and a playground in the Perryman area of the County; and Rock Glenn Park, whose development will include fields, trails, a playground, and multipurpose courts in the Aberdeen area of the County.

As discussed previously, with the acquisition of Belle Vue Farm, Harford County now owns several properties on the Oakington Peninsula totaling over 1,200 acres and including more than 2 miles of frontage along the Chesapeake Bay. The County will be developing a master plan for the Oakington Peninsula Park System that will include all of the County-owned properties. While located in the southeast corner of Harford County between Aberdeen and Havre de Grace, the future Oakington Peninsula Park System will be planned and designed to attract visitors from throughout the County and the region.

The 2018 LPPRP (Goal PR-4) and HarfordNEXT (PHC Goal1.4) identified that Harford County should build upon the success of the current community center and assess the need for centers in other areas of the County. The result of that review and assessment is reflected in the CIP with the scheduled design and construction of several Activity and Community Centers in Harford County as future funding allows. Aberdeen Activity Center was approved for \$9 million in the County's FY 22 budget and the design for the new center started during the drafting of the 2022 LPPRP. The Jarrettsville Recreation Complex and Center project will include a community center, as well as field space and trails at the property. The Joppa/Joppatowne Youth/Senior Center will include an activity center and may include additional outdoor amenities, such as fields and trails, depending on the final location for the project. Longer term CIP plans include a community center at the Northern Regional Park project in the Whiteford area of the County.

Further development of integrated greenway/community trail systems, such as the Ma & Pa Heritage Trail, in support of the HarfordNEXT Master Plan efforts to create more walkable and bikeable communities continues to be a Departmental priority. This is clearly reflected in the Department's current projects, as well as the CIP. The connection of two existing sections of the Ma & Pa trail that will create a premier trail network stretching from Edgeley Grove Park in Fallston to Friends Park in Forest Hill. The Department divided the Ma & Pa Connector Trail Project into three segments to address permitting requirements for each section in a timely manner. Segment 1 from the Williams Street trailhead to Main Street in the Town of Bel Air is complete. This segment included sidewalk improvements along Ellendale and Main Streets, as well as a crosswalk with overhead alert system where the Ma & Pa Trail crosses Main Street. Segment 2, from Main Street in Bel Air to North Avenue is under construction and is expected to be complete in April 2022. This segment includes a parking lot at North Avenue and connects several neighborhoods just north of the Town of Bel Air to Main Street. Segment 3, from North Avenue to Blake's Venture Park, is currently in design and is expected to go to construction in 2023. Blake's Venture Park is the southern trailhead of the Forest Hill section of the Ma & Pa Trail. Once complete the approximately 2-mile connecting section of the trail will create an approximately 8-mile trail connecting Edgeley Grove Park in Fallston, through the Town of Bel Air, to Blake's Venture Park and ultimately to Friends Park in Forest Hill. The scenic Ma & Pa Trail attracts thousands of visitors each year and is Harford County government's most popular parks and recreation facility. Future

connections to the Ma & Pa trail from other properties, such as Mt. Soma, should be considered in partnership with property owners and the State Highway Administration, as necessary. The CIP includes several previously mentioned park projects that will include trails including Benson Field Development, Norrisville Park, Northern Regional Park, Rock Glenn Park, and Vale Road Park. Vale Road Park also will include a connection to the Ma & Pa Heritage Trail. Additionally, the Oakington Peninsula Park System will include a land trail system that will connect with the City of Havre de Grace.

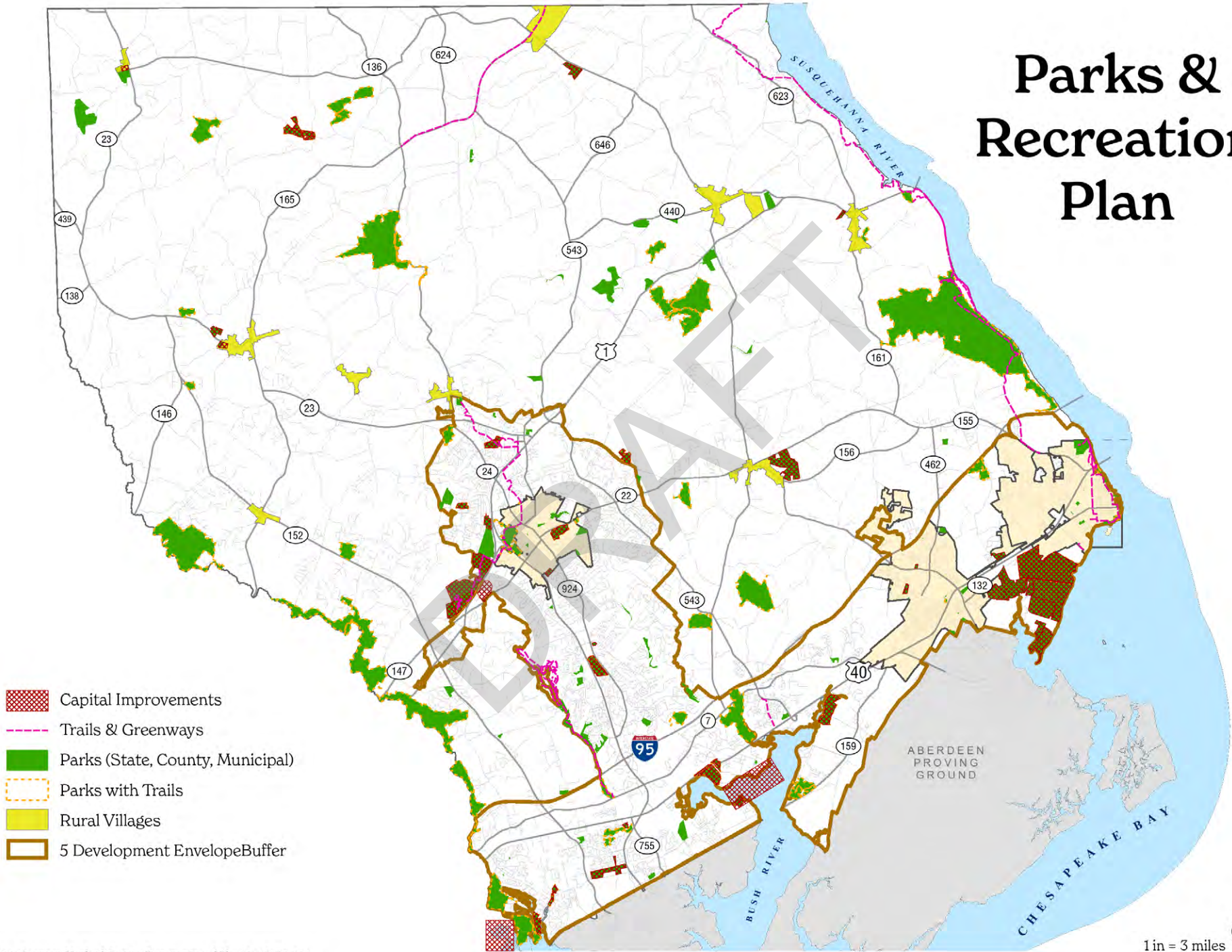
The 2022 Harford County Land Preservation, Parks, and Recreation Plan includes the County's detailed recommendations for acquisition, facility development, and rehabilitation (Table II-8). The CIP as shown in Table II-8 includes 56 projects with a total cost of more than \$105 million. An additional 334.1 acres of parkland are proposed. Projects proposed in the CIP may be revised over time depending on financial constraints.

The parks and recreation projects (including 4 waterway improvement projects) breakdown as follows:

- Acquisition: \$10,535,000 (10%)
- Capital Development: \$61,463,500 (58%)
- Rehabilitation: \$33,450,000 (32%)

Meeting the goals of the 2022 Harford County Land Preservation, Parks, and Recreation Plan will require an investment of State, County, Municipal, Grant, and private resources. Program Open Space-Local side funding averages approximately \$1.5 - \$2.0 million dollars to Harford County each year. For a total of \$10.5 - \$14 million over the planning period. Local recordation tax revenues also are based on property sales and have been yielding \$2.5 - \$3.0 million per year for a total of \$17.5 - \$21 million over the planning period. The combined revenues from POS and local recordation tax would provide approximately 37 to 42 percent of the funds needed for recreation acquisition and development. Additional County funding through bond funds, as approved by the Harford County Executive and Harford County Council, have been supported for parks and recreation projects and would supplement POS and recordation tax funding. The County and the Department must continue to pursue grant funding, such as Waterway Improvement Program funding and other sources, where appropriate.

Parks & Recreation Plan



-  Capital Improvements
-  Trails & Greenways
-  Parks (State, County, Municipal)
-  Parks with Trails
-  Rural Villages
-  5 Development Envelope Buffer

Table II-8: Capital Improvement Plan FY 2022-2028

Project	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
FY 22 Funded Projects:							
Aberdeen Activity Center	\$9,000,000	\$-	\$-	\$-	\$-	\$-	\$-
Anita C. Leight Center Improvements	\$50,000	\$-	\$-	\$-	\$-	\$-	\$-
Athletic Field Improvements	\$2,500,000	\$3,000,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000
Benson Field Development	\$100,000	\$-	\$-	\$-	\$-	\$-	\$-
Bulkhead Renovations	\$40,000	\$-	\$515,000	\$-	\$-	\$-	\$-
Dog Park Construction & Improvements	\$583,500	\$-	\$90,000	\$90,000	\$-	\$100,000	\$100,000
Emily Bayless Graham Park	\$350,000	\$-	\$250,000	\$-	\$500,000	\$-	\$-
Emmorton Recreation and Tennis Center Improvements	\$25,000	\$-	\$-	\$-	\$400,000	\$-	\$-
Facility Renovations	\$190,000	\$150,000	\$100,000	\$100,000	\$150,000	\$150,000	\$150,000
Heavenly Waters Park - Soma	\$100,000	\$-	\$-	\$75,000	\$-	\$-	\$350,000
Mariner Point Park - DMP Site Remediation	\$1,100,000	\$450,000	\$-	\$-	\$-	\$-	0
McFaul Activity Center Renovations	\$250,000	(\$250,000)	\$-	\$-	\$-	\$-	\$-
Norrisville Park	\$1,250,000	\$-	\$600,000	\$-	\$-	\$550,000	\$-
Oakington Peninsula Park System	\$250,000	\$150,000	\$150,000	\$1,000,000	\$-	\$1,000,000	\$-
Park Improvements	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Parking Lot Paving	\$195,000	\$250,000	\$150,000	\$-	\$175,000	\$175,000	\$175,000
Parkland Acquisition	\$1,560,000	\$1,775,000	\$1,075,000	\$1,075,000	\$1,600,000	\$1,600,000	\$1,850,000
Playground Equipment	\$1,795,000	\$1,675,000	\$175,000	\$240,000	\$400,000	\$500,000	\$50,000
Prospect Mill Park	\$250,000	\$-	\$-	\$-	\$180,000	\$180,000	\$-
SWM Pond Repair and Renovation	\$195,000	\$120,000	\$-	\$150,000	\$-	\$150,000	\$-
Tennis/Multipurpose Court	\$170,000	\$400,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Vale Road Park	\$125,000	\$-	\$-	\$-	\$-	\$-	\$-
Outyear Projects:							
ADA Improvements	\$-	\$75,000	\$-	\$100,000	\$140,000	\$140,000	\$140,000
Backstop Renovations	\$-	\$-	\$-	\$50,000	\$65,000	\$40,000	\$65,000
Blake's Venture Park	\$-	\$-	\$-	\$100,000	\$-	\$1,000,000	\$-
Bleacher Renovations	\$-	\$100,000	\$-	\$80,000	\$-	\$-	\$-
Bush River Dredging and DMP Site	\$-	\$50,000	0	\$-	0	\$100,000	\$850,000
Canoe and Kayak Water Access	\$-	\$50,000	\$275,000	\$-	250,000	\$-	\$-
Churchville Center Renovations	\$-	\$300,000	\$-	\$-	\$-	\$-	\$-

Table II-8: Capital Improvement Plan FY 2022-2028

Project	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Darlington Park Development	\$-	\$-	\$-	\$50,000	\$-	\$-	\$-
Debris/Derelict Boats	\$-	\$-	\$-	\$-	\$100,000	\$-	\$-
Demarco Memorial Park Improvements	\$-	\$-	\$-	\$-	\$-	\$100,000	\$-
Disc Golf Course	\$-	\$-	\$-	\$50,000	\$-	\$-	\$-
Eden Mill Park Rehabilitation	\$-	\$-	\$500,000	0	\$-	\$125,000	\$500,000
Edgeley Grove Farm	\$-	\$-	\$-	\$50,000	\$-	\$750,000	\$-
Edgewood Recreation and Community Center	\$-	\$-	\$-	\$-	\$-	\$-	\$-
Edgewood Recreation Park	\$-	\$-	\$500,000	\$-	\$-	\$150,000	\$-
Enlarged Gymnasiums & Joint Facilities	\$-	0	\$700,000	\$-	\$700,000	\$-	\$700,000
Equestrian Center Improvements	\$-	\$75,000	\$100,000	\$-	\$300,000	\$-	\$250,000
Flying Point Park Improvements	\$-	\$-	\$-	\$-	\$150,000	\$-	\$-
Graybeal Fields	\$-	\$-	\$-	\$125,000	\$-	\$-	\$-
Gunpowder River Dredging	\$-	\$-	\$-	\$-	\$150,000	\$1,000,000	\$-
Gymnasium Floor Repair and Renovation	\$-	\$-	\$-	\$50,000	\$50,000	\$50,000	\$-
Jarrettsville Recreation Complex/Center	\$-	\$4,000,000	\$4,000,000	\$-	\$-	\$-	\$100,000
Joppa/Joppatowne Youth/Senior Center	\$-	\$500,000	\$7,000,000	\$300,000	\$-	\$-	\$-
Northern Regional Park	\$-	\$250,000	\$1,500,000	0	\$4,500,000	\$-	\$-
Outdoor AED Construction	\$-	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
P&R Facility Development/Renovations	\$-	\$2,150,000	\$-	\$-	\$-	\$-	\$-
Rockfield Park Improvements	\$-	\$-	\$-	\$-	100,000	\$-	\$-
Perryman Park Development	\$-	\$-	\$-	\$-	\$-	\$-	\$-
Robert Copenhaver Park Improvements	\$-	\$-	\$-	\$-	\$-	\$-	\$-
Rock Glenn Park	\$-	\$-	\$-	\$-	\$-	\$-	\$-
Swan Harbor Farm Improvements	\$-	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Tollgate Woodshop	\$-	\$-	\$-	\$-	\$45,000	\$-	\$-
Trails & Linear Parks	\$-	\$1,000,000	\$1,000,000	\$1,500,000	\$1,000,000	\$1,500,000	\$2,950,000
12 Stones Park	\$-	\$250,000	\$1,500,000	\$-	\$-	\$-	\$250,000
Open Projects							
Churchville Complex Development	\$-	\$60,000	\$-	\$-	\$-	\$-	\$-
Schucks Road Regional Complex	\$-	\$-	\$-	\$-	\$-	\$-	\$550,000
TOTAL PARKS AND RECREATION CAPITAL	\$20,128,500	\$16,710,000	\$22,960,000	\$7,965,000	\$13,735,000	\$12,140,000	\$11,810,000

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Source: Chesapeake Bay Program on Flickr

Chapter III: Natural Resource and Conservation

Overview

Preserving our natural resources and providing the County's citizens with access to these resources is essential to our quality of life in Harford County. As a County, we are striving to develop new access to our natural resources and waterfront areas, to ensure we are developing livable communities where people desire to live, work, and play. The County will continue to improve existing trails, and add new trails, greenways, or bikeways to enhance our livable communities.

The County is fortunate to have major State Parks: Gunpowder Falls State Park, Palmer State Park, Rocks State Park, and Susquehanna State Park. There are other important natural resource lands that are preserved, such as Eden Mill Park, the Bush Declaration Area, the Broad Creek Memorial Scout Reservation, Anita C. Leight / Izaak Walton League, Swan Harbor Farms, and Tydings Park. These parks are not only important for their natural resources but provide invaluable outdoor recreation opportunities to Harford County citizens. These activities include but are not limited to fishing, kayaking, hiking, biking, tubing, and picnicking.

The County realizes the importance of maintaining and enhancing the county's system of natural resource lands and associated recreation amenities. Green infrastructure is an interconnected network of green spaces that protects natural ecosystems and provides benefits to communities, such as clean air and water. These areas are identified in the Harford County Green Infrastructure Plan.

The implementation of the Green Infrastructure Plan necessitates park planning. As parkland is acquired passive use considerations for building upon existing green infrastructure must be weighed with active use needs. It is also anticipated that with the development of the GI plan, additional opportunities to connect people to our natural areas will be identified.

Goals for Natural Resource Conservation

Natural resource lands provide many environmental benefits citizens in Harford County. Streams, wetlands, floodplains, forests, rare habitats, steep slopes are natural areas that are worthy of preservation, as these areas are usually high in habitat value. Forests can be the most effective land cover in certain areas. Large, forested areas that provide hubs and corridors for wildlife often have high wildlife and biodiversity values. These areas are especially important for targeting protection and restoration efforts.

There are also many social benefits to protecting our natural resource lands. Natural resource areas provide citizens outdoor recreation opportunities. Hiking, kayaking, camping, fishing, and bicycling are just a few examples. Mature forest can provide shade to headwater streams and reduce sediment loads. Forested riparian buffers are important to maintaining or improving water and air quality, which translates into improved aquatic habitat and biodiversity. The quality of

our streams and watershed is also important to the quality of life our citizens through improved and expanded recreational opportunities, such as swimming, fishing, and boating.

County Goals

NR Goal 1

Develop and nurture strong partnerships to protect sensitive resources through easements, acquisitions, and coordinated planning practices.

Harford County has many agencies and organizations that are concerned with natural resource conservation and the future of the county, including:

- Nonprofit organizations, such as Lower Susquehanna Heritage Greenway, the Isaak Walton League, Deer Creek Watershed Association, and the Susquehannock Wildlife Society.
- Land trusts, such as the Harford Land Trust, Manor Conservancy, Maryland Environmental Trust, and the Trust for Public Land.
- Government Boards and Commissions, such as the Harford Environmental Advisory Board and the Harford Historic Preservation Commission.
- Site-specific entities, such as the Deer Creek Watershed Association, Deer Creek Scenic River Board,
- Government agencies and entities, such as the Maryland Departments of Natural Resources and Planning and the Harford County Departments of Planning/Zoning and Parks/ Recreation.

Harford County should continue to be a strong, vocal advocate for land preservation, including lands that have sensitive resources. In addition to providing staff and funding for county projects, the county should serve as an information clearinghouse, staying abreast of land preservation activities throughout the county and alerting partners to appropriate land preservation opportunities.

NR Goal 2

Strengthen the county focus on natural corridor preservation with an integrated approach to protect natural resources, habitat areas, and historic sites and to develop waterway trails. Implement the Harford County Green Infrastructure Plan.

The County has many linear linkages, such as the Ma and Pa Trail and the Lower Susquehanna Heritage Greenway. These corridors and linkages increase public awareness and enjoyment of natural resources, natural areas, habitats, and historic resources.

As previously mentioned, the County developed a Green Infrastructure Plan that identifies high-value natural resource lands. Targeted Ecological Areas are a priority for preservation or enhanced management. Connections between these lands, and where appropriate, people, further enhance the County's approach to developing our corridor preservation efforts. The full Green Infrastructure Plan can be found here: <https://www.harfordcountymd.gov/2461/Green-Infrastructure-Plan>. The State Green Infrastructure Map is Map III-1 on page 94.

NR Goal 3

Support the Lower Susquehanna Heritage Greenway.

The Lower Susquehanna Heritage Greenway (LSHG) lines the banks of the Susquehanna River in Harford and Cecil Counties from north of the Conowingo Dam to the head of the Chesapeake Bay—approximately 12,000 acres. The county should support the work of LSHG in any way possible. Sample tasks include:

Assist in the acquisition, funding, and construction of trail segments.

- Work with LSHG and Exelon Power Company to identify trail and other recreational opportunities as Exelon moves through the federally mandated re-permitting process.
- Provide any necessary and requested support in LSHG's applications to become part of the East Coast Greenway and to obtain federal heritage designation.
- Consider integrating LSHG projects into the county's capital improvements program.
- Establish a site for LSHG shuttle/transit service at Swan Harbor.

NR Goal 4

Foster a strong working relationship between the county and the state in areas of mutual interest.

Harford County and the State of Maryland have many common land preservation goals and targets. The County—through the Harford County Departments of Parks/Recreation, Planning/ Zoning, and Economic Development should work closely to strengthen efforts in areas of mutual concern, such as:

- Forest protection
- Public access to water
- Tourism
- Wetland protection
- Land preservation
- Transportation enhancements

NR Goal 5

Work to strengthen regulations to protect critical habitats.

Habitats of rare, threatened, and endangered species are protected by 1) federal and state permit programs, such as the Joint 404 Wetlands Permit Program, and 2) local regulations in the Chesapeake Bay Critical Area. However, the programs and regulations often leave upland habitats unprotected. Harford County should work with the state to develop stronger regulations to protect critical upland habitats and biological communities. In addition, the County should strengthen the protection of critical habitats as identified by the County's Green Infrastructure Plan.

NR Goal 6

Protect green infrastructure and contiguous forests or farmland by working with the state to support planning on a wider scale at both the state and county levels.

The geographic scope of planning reviews, practices, and procedures is often limited to a specific site even though the effects of land development are often felt far beyond parcel or municipal borders. The value of a reliable, safe water supply and the need to protect groundwater supply and quality and wellhead

areas has made planning based on watersheds increasingly important. Harford County should encourage the state to continue and strengthen support for watershed planning.

With the development of County's Green Infrastructure Plan, important natural areas will be identified and prioritized to comprehensively target ecologically rich natural resource areas. Strategies and opportunities will be developed to afford these special areas additional protection. Farmlands that contain these natural resources will also play a large role in conserving these natural areas and will be given additional consideration for conservation and protection.

Harford County should also consider the Rural Legacy and Forest Legacy areas a top priority for easement acquisitions. In addition, the county and state should maintain close communication and coordination regarding all lands to be added to state parks.

State Goals

Achieving the State's goals for the conservation of natural resource lands depends on cooperation and coordination among federal and local governments, citizens, conservation organizations, and the private sector:

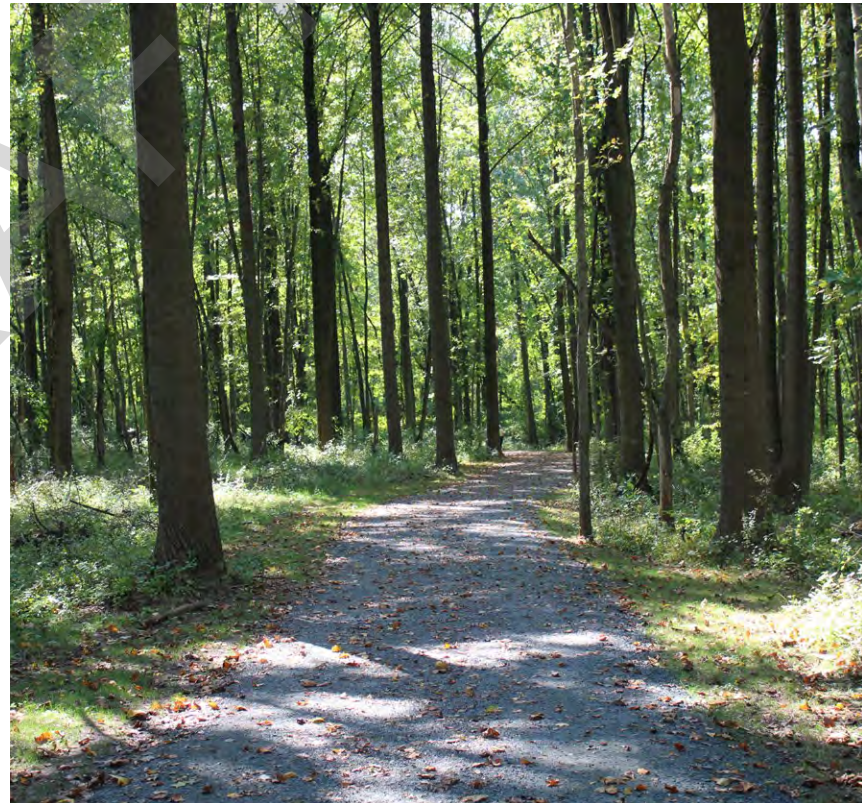
- Identify, protect, and restore lands and waterways in Maryland that support important aquatic and terrestrial natural resources and ecological functions, through combined use of the following techniques:
- Public land acquisition and stewardship;
- Private land conservation easements and stewardship practices through purchased or donated easement programs;
- Local land use management plans and procedures that conserve natural resources and environmentally sensitive areas and minimize impacts to resource lands when development occurs;
- Support incentives for resource-based economies that increase retention of forests, wetlands, or agricultural lands;
- Avoidance of impacts on natural resources by publicly funded infrastructure development projects; and
- Appropriate mitigation response, commensurate with the value of the affected resource.

- Focus conservation and restoration activities on priority areas, according to a strategic framework such as GreenPrint (which is not to be confused with the former easement program also called GreenPrint).
- Conserve and restore species of concern and important habitat types that fall outside the green infrastructure: rock outcrops, karsts systems, caves, shale barren communities, grasslands, shoreline beach and dune systems, mud flats, non-forested islands, etc.
- Develop a more comprehensive inventory of natural resource lands and environmentally sensitive areas to assist State and local implementation programs
- Establish measurable objectives for natural resource conservation and an integrated State/local strategy to achieve them through State and local implementation programs.
- Assess the combined ability of State and local programs to:
 - » Expand and connect forests, farmlands, and other natural lands as a network of contiguous green infrastructure;
 - » Protect critical terrestrial and aquatic habitats, biological communities, and populations;
 - » Manage watersheds in ways that protect, conserve, and restore stream corridors, riparian forest buffers, wetlands, floodplains, and aquifer recharge areas and their associated hydrologic and water quality functions;
 - » Adopt coordinated land and watershed management strategies that recognize the critical links between growth management and aquatic biodiversity and fisheries production;
- Support a productive forestland base and forest resource industry, emphasizing the economic viability of privately owned forestland.

Summary

Overall, the County and State goals complement each other. The identification of important natural resource lands to protect, restore or acquire is the central theme to both the State and the County goals. The County will be developing a Green Infrastructure Plan that will provide the basis of identifying the network of lands that are of the highest priority of protection and restoration.

Table III–1 is the inventory of County properties with specific existing conservation easements, as well as properties that are currently held by the Harford Land Trust. A list of homeowner’s associations’ open space property can be found in the LPPRP appendix.



Emily Bayless Trail

Table III-1: Harford Land Trust Properties

Property Name	Harford Land Trust ID	MET	HLT	MALPF	Ag Ease	Deed restrict	Town	Zip	Account Number	Map	Grid	Parcel	Acres
Beamer-Edwards (Preston) Woods	04BEAM21001					Y	Aberdeen	21001	193446	0051	0001B	0008	15
Beamer-Edwards (Preston) Woods	04BEAM21001					Y	Aberdeen	21001	038750	0051	0001B	0010	4.86
FG Lot to Cline	93CLIN21001		Y				Aberdeen	21001	093243	0063	0003A	0356	0.669
FG Lot to Dossar Thompson	93DTHO21001		Y				Aberdeen	21001	050145	0063	0003A	0333	0.344
FG Lot to Dossar Thompson	93DTHO21001		Y				Aberdeen	21001	050188	0063	0003A	0227	0.452
FG Lot to L.A. Wilson	93WILS21001		Y				Aberdeen	21001	050161	0063	0003A	0226	0.459
Iola R Michael Easement	01MICH21001-1	Y	Y				Aberdeen	21001	060469	0059	0002D	0150	13.43
Iola R Michael Easement	01MICH21001-2	Y	Y				Aberdeen	21001	060477	0059	0001C	0156	60.24
Riverwalk II (Perryman)	18RIVE21001						Aberdeen	21001	081903	0053	0004A	0343	32.192
Dinning Woods	00DINN21009-3		Y				Abingdon	21009	337734	0062	0003D	0851	3.9
Dinning Woods	00DINN21009-4		Y				Abingdon	21009	337726	0062	0003D	0851	8.02
Dinning Woods	00DINN21009-2		Y				Abingdon	21009	368036	0062	0004D	0848	1.11
Dinning Woods	00DINN21009-2		Y				Abingdon	21009	334964	0062	0004D	0848	1.05
Dinning Woods	00DINN21009-2		Y				Abingdon	21009	368028	0062	0004D	0848	1.1
Dinning Woods	00DINN21009-1		Y				Abingdon	21009	058495	0062	0004D	0866	10.76
Terra Firma	15TERR21009						Abingdon	21009	090283	0062	0004D	0823	7.98
Terra Firma	15TERR21009						Abingdon	21009	294830	0062	0004D	0147	13.66
Rodger's Property	11RODG21013						Baldwin	21013	049101	0007	0003F	0012	5.25
Annette Blum Easement (Loose Cow)	21BLUM21014	Y	Y				Bel Air	21014	033503	0048	0003F	0462	26.05
Annette Blum Easement (Loose Cow)	21BLUM21014	Y	Y				Bel Air	21014	383717	0048	0003F	0462	0.745
Pitts Easement (Patterson Mill)	21PITT21014	Y	Y				Bel Air	21014	075136	0056	0001E	0089	43.1354
Soloman's Choice	94SOLO21014		Y				Bel Air	21014	329496	0048	0001C	0453	11.27
Soloman's Choice	94SOLO21014		Y				Bel Air	21014	329518	0048	0001C	0453	2.61
Soloman's Choice	94SOLO21014		Y				Bel Air	21014	329526	0048	0001C	0453	2.93
Soloman's Choice	94SOLO21014		Y				Bel Air	21014	329534	0048	0001C	0453	6.66
Soloman's Choice	94SOLO21014		Y				Bel Air	21014	329542	0048	0001C	0453	6.35
Soloman's Choice	94SOLO21014		Y				Bel Air	21014	329550	0048	0001C	0453	4.5
Soloman's Choice	94SOLO21014		Y				Bel Air	21014	329569	0048	0001C	0453	5.32
Soloman's Choice	94SOLO21014		Y				Bel Air	21014	032655	0048	0001C	0002	84.02

Table III-1: Harford Land Trust Properties

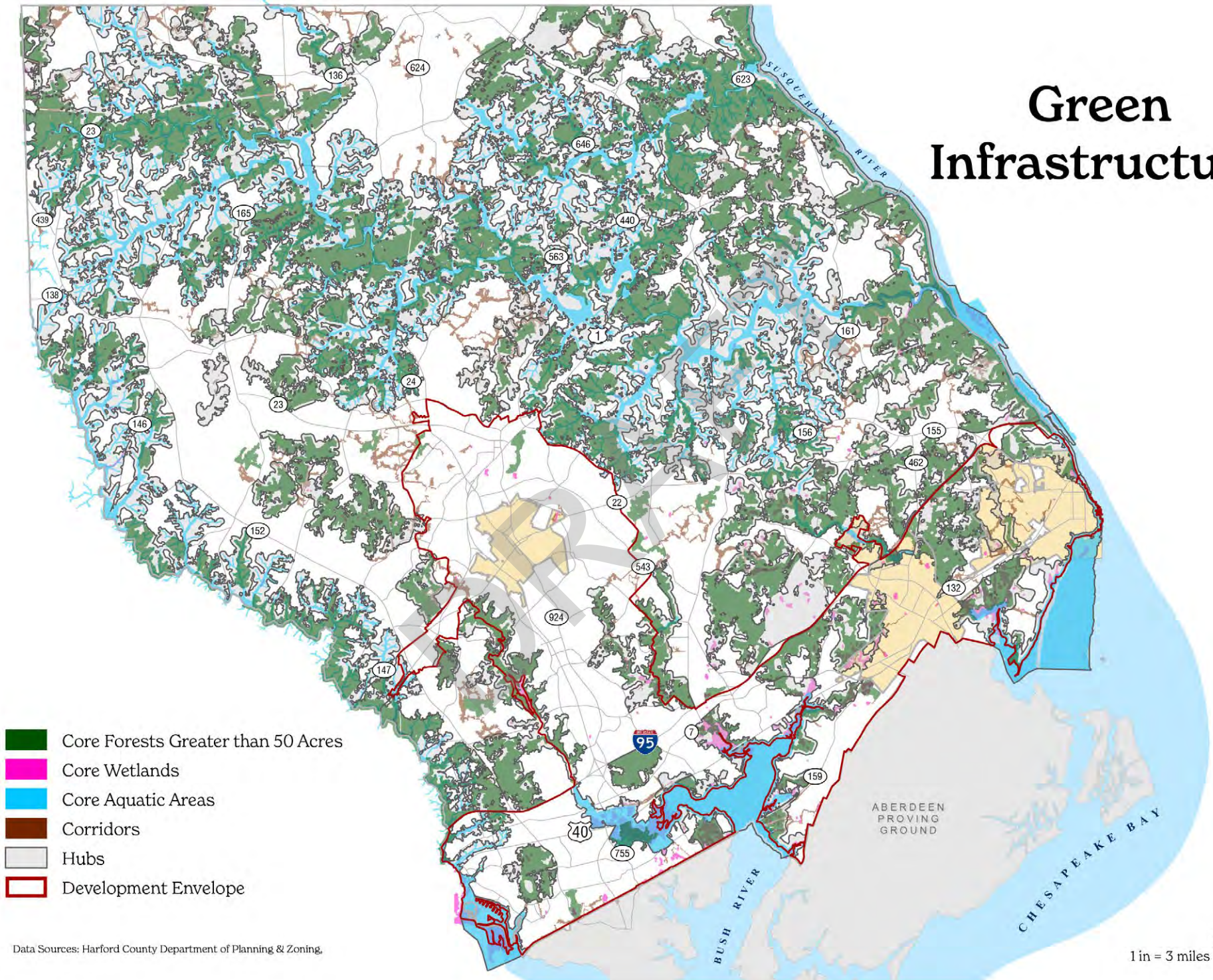
Property Name	Harford Land Trust ID	MET	HLT	MALPF	Ag Ease	Deed restrict	Town	Zip	Account Number	Map	Grid	Parcel	Acres
State Highway Easement	19MDTA21015	Y	Y				Bel Air	21015	060309	0057	004D	0207	14
State Highway Easement	19MDTA21015	Y	Y				Bel Air	21015		0057	004D	0235	4.3
Priestford LLC (Hopkins)	07PRIE21028-1		Y				Darlington	21034	019354	0035	0001D	0128	54.84
Priestford LLC (Hopkins)	07PRIE21028-1		Y				Darlington	21034	062985	0035	0001D	0128	44.69
Priestford LLC (Hopkins)	07PRIE21028-1		Y				Darlington	21034	062934	0035	0001D	0128	2.45
Priestford LLC (Hopkins)	07PRIE21028-1		Y				Darlington	21034	062942	0035	0001D	0128	2.28
Priestford LLC (Hopkins)	07PRIE21028-1		Y				Darlington	21034	062969	0035	0001D	0128	3.09
Priestford LLC (Hopkins)	07PRIE21028-1		Y				Darlington	21034	055903	0035	0001D	0128	19.55
Priestford LLC (Hopkins)	07PRIE21028-2		Y				Darlington	21034	062977	0035	0001D	0128	44.48
Priestford LLC (Hopkins)	07PRIE21028-2		Y				Darlington	21034	055911	35	0001D	124	4.19
Susan Thomas	92THOM21034	Y	Y				Darlington	21034	038642	0019	0004E	0464	28.85
Veronica Cassily Easement	19CASV21034	Y	Y				Darlington	21034	049294	0036	0001B	0228	12.021
Bosley Easement	19IWBO21040	Y	Y				Edgewood	21040	102796	0066	0002A	0008	17.06
Bosley Easement	19IWBO21040	Y	Y				Edgewood	21040	175742	0065	002F	0888	224.46
Bosley Easement	19IWBO21040	Y	Y				Edgewood	21040	107402	0065	0001F	0297	20.225
Ha Ha Cove Easement	19IWHA21040	Y	Y				Edgewood	21040	021508	0066	0001B	0530	31.773
Ha Ha Cove Easement	19IWHA21040	Y	Y				Edgewood	21040	021486	0066	0001B	0530	2.969
Ha Ha Cove Easement	19IWHA21040	Y	Y				Edgewood	21040	021478	0066	0002C	0394	55.4882
Ha Ha Cove Easement	19IWHA21040	Y	Y				Edgewood	21040	090321	0066	0001B	0439	3.77
Hospice (Ward/Monk's Creek)	16HOSP21040	Y					Edgewood	21040	005197	0066	0002D	0293	2.18
Koscielski (Ward/Monk's Creek)	16KOSC21040	Y					Edgewood	21040	054015	0066	0002E	0202	2.54
Otter Creek Woods	94OTTE21040	Y					Edgewood	21040	287699	0066	0002D	0310	104.31
Stewart (Ward/Monk's Creek)	15STEW21040	Y					Edgewood	21040	093274	0066	0002D	0139	2.54
Ward/Monk's Creek	13WARD21040	Y					Edgewood	21040	388843	0066	0002D	0293	53.95
Welzenbach Easement	21WELZ21040	Y	Y				Edgewood	21040	103067	0066	0002B	0496	48.237
Guercio Easement	20GUER21050		Y				Forest Hill	21050	042480	0039	004F	0251	22.102
Lesser Easement	20LESS21050		Y				Forest Hill	21050	018540	0032	0003E	0374	16.89
Andrew Cassilly Easement	19CASA21078		Y		GG2:G62		Havre de Grace	21078	042932	0036	0001B	0288	5.219
Old Bay Easement	19OLDB21078	Y	Y				Havre de Grace	21078	004482	0052	0002F	0078	121.9

Table III-1: Harford Land Trust Properties


Property Name	Harford Land Trust ID	MET	HLT	MALPF	Ag Ease	Deed restrict	Town	Zip	Account Number	Map	Grid	Parcel	Acres
Thompson Easement (large)	20FOX121078	Y	Y				Havre de Grace	21078	076772	0043	0001F	0026	48.46
Thompson Easement (small)	20FOX221078		Y				Havre de Grace	21078	070324	0043	0001F	0077	5.98
Ross F Floyd Easement	98FLOY21085		Y				Joppa	21085	035517	0060	0004E	0170	1.83
Ross F Floyd Easement	98FLOY21085		Y				Joppa	21085	035525	0060	0004F	0191	3.41
Clement Easement	05CLEM21111	Y	Y				Monkton	21111	011600	0031	0004C	0037	14.97
Shaul Farm Easement	08SHAU21111	Y	Y				Monkton	21111	061160	0031	0003A	0015	42.07
DeVore Remainder to Schreck	97SCHR21132					Y	Pylesville	21132	095480	0010	0003A	0091	39.78
Kelly Property (The Gulch)	04KELL21132	Y				Y	Pylesville	21132	037332	0009	0003C	0154	74.29
Galbreath Farm's 4 Lots	96GALB21154-1		Y		Y		Street	21154	014085	0017	0002F	0038	97.54
Galbreath Farm's 4 Lots	96GALB21154-2		Y		Y		Street	21154	057698	17	0001E	91	20.09
HP White	09HPWH21154					Y	Street	21154	041686	0026	0002F	0060	98.29
HP White	09HPWH21154					Y	Street	21154	024870	0026	0002E	0059	53.21
Jack & Dorris Knoppel Easement	98KNOP21161		Y				White Hall	21161	039025	0014	0004F	0015	12.4
Wm E Murrow, Jr Easement	98MURR21161		Y	Y			White Hall	21161	048911	0023	0002B	77	74.46

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Green Infrastructure



Data Sources: Harford County Department of Planning & Zoning.

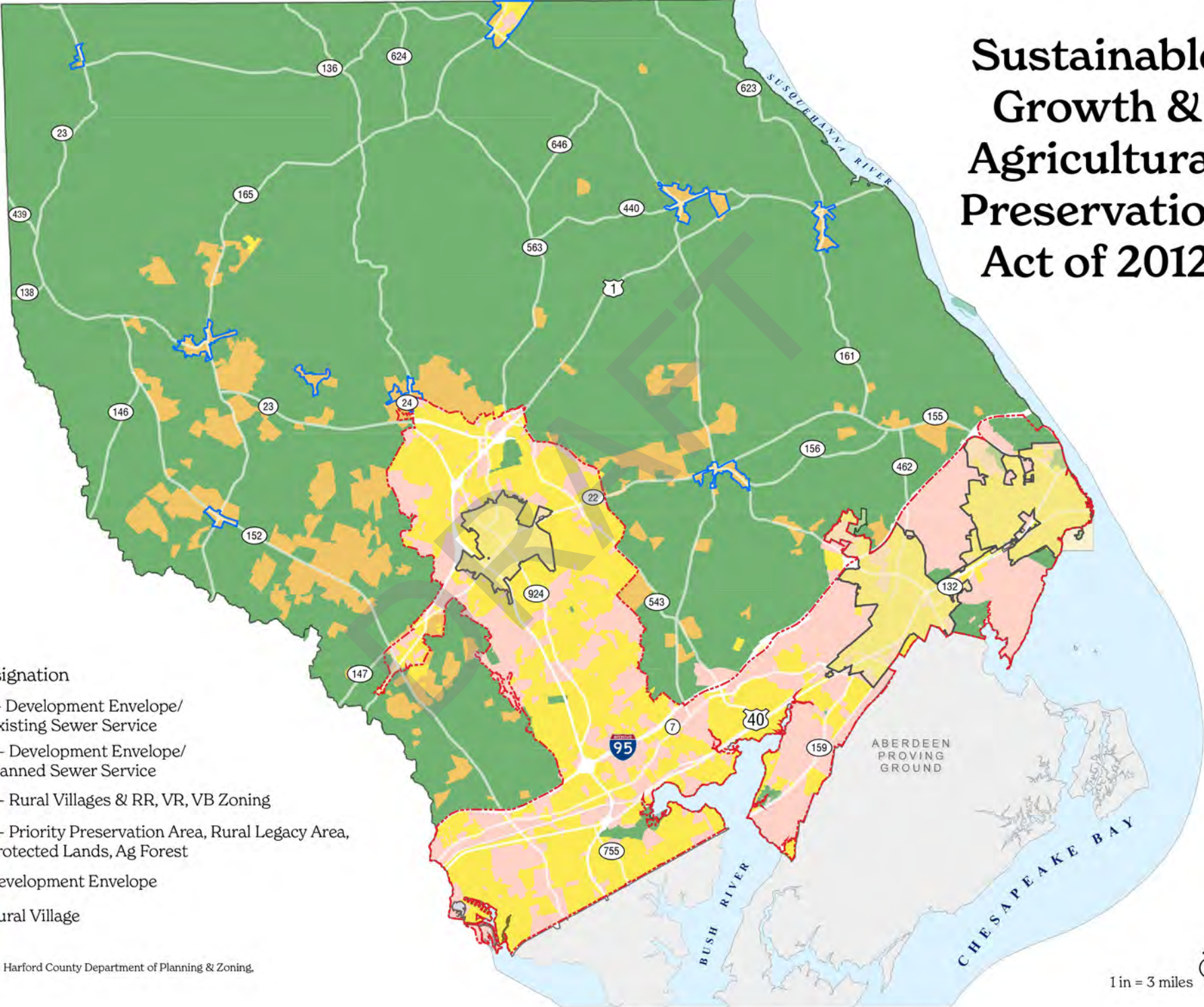
1 in = 3 miles 

Sustainable Growth & Agricultural Preservation Act of 2012

Tier Designation

- 1 - Development Envelope/
Existing Sewer Service
- 2 - Development Envelope/
Planned Sewer Service
- 3 - Rural Villages & RR, VR, VB Zoning
- 4 - Priority Preservation Area, Rural Legacy Area,
Protected Lands, Ag Forest
- Development Envelope
- Rural Village

Data Sources: Harford County Department of Planning & Zoning.



Implementing Ordinances and Programs

Harford County uses the following tool in its efforts to preserve natural resources.

- Harford NEXT – Environmental Stewardship / other Themes
- Local Regulatory Measures
- State and Federal Regulatory Measures

HarfordNEXT

HarfordNEXT is a forward-thinking plan and an exciting opportunity to address the evolving needs of the County. HarfordNEXT establishes the necessary framework for maintaining and enhancing our quality of life, both now and in the future. The six themes in HarfordNEXT represent a holistic perspective on broad planning topics. Implementation strategies identified in these themes and elsewhere in this document will help strengthen the sense of place of our diverse communities and our interactions with our vast natural resources. The two themes that are of particular importance to the LPPRP are the Environmental Stewardship and Promoting Healthy Communities themes. Implementation strategies in these themes provide measurable objectives for natural resource conservation.

Regulatory Measures – Harford County

The Natural Resources District (NRD) in the Harford County Zoning Code provides for orderly development and use of land while protecting the ecology of the area by minimizing the soil disturbance and loss of natural ground cover and vegetation in sensitive areas. Lands within this district are:

- A. Steep terrain (areas of land exceeding 40,000 square feet with a slope in excess of 25%);
- B. Areas adjacent to streams and rivers (minimum distance of 75 feet or 150 feet on both sides of the stream depending on the stream classification, or 50' beyond the 100-year floodplain); and
- C. Nontidal wetlands and their 75-foot buffers.

The Chesapeake Bay Critical Area Management Program and the Chesapeake Bay Critical Area Overlay District is administered by the Department of Planning and Zoning as part of a coordinated State effort to improve water quality and wildlife habitat throughout the Chesapeake Bay. The program manages lands within 1,000 feet of tidal waters and also includes some additional floodplain, park, and rare species habitat areas. The program protects natural resources within this area including tidal and nontidal wetlands, shoreline buffer, rare species habitats, anadromous fish breeding habitat, colonial waterbird nesting sites, waterfowl congregation areas, hydric and erodible soils, and steep slopes.

The Floodplain Management Regulations restrict building in areas subject to periodic flooding from streams, rivers, and the Chesapeake Bay. Floodplains are often described in statistical terms. The 1% annual flood is an area that has a 1% chance of being flooded in any given year; it is often referred to as the 100-year flood. Most of the floodplains with large drainage areas (greater than 400 acres) are mapped and subject to regulation, even though areas not identified on maps as floodplains may still flood. The areas subject to the County's floodplain management program are depicted on flood maps available at the Department of Planning and Zoning. FEMA has updated the County's floodplain maps which became effective in April 2016. The County updated its floodplain ordinance at that time. By encouraging sound land use practices, the exposure of property to flood losses may be minimized; human life and health can be protected; and public expenditures for flood protection and relief minimized.

Water Source Protection Districts have been established in the Zoning Code to provide a safe drinking water supply and to maintain public health, safety, and quality of life. Regulations were established in the Perryman wellfield district, community water system districts and nontransient-noncommunity water system districts. Uses that are considered to pose a high risk to groundwater and surface water are prohibited in these areas and impervious surface limitations may apply in some districts.

The Forest and Tree Conservation Provisions of the Harford County Zoning Code have been in place since 1991 to protect forest resources in the County. During the development approval process, natural features within a proposed development site must be identified and delineated by an approved professional forester or landscape architect. A portion of the existing forest resources on-site must be retained and a measure of the forest resources which are lost as a necessary element of the development process must be replaced.

The Deer Creek Scenic River District was established in 1978 to highlight the importance of Deer Creek's scenic and natural features, and to ensure the protection of private rights and the scenic river in a compatible, harmonious manner. Deer Creek is designated as a Scenic River under the State's Scenic River program. The local Deer Creek Scenic River Advisory Board (composed of nine members appointed by the County Executive and confirmed by the County Council of Harford County) was established to initiate and recommend policies and regulations to the County Council to enhance and protect the quality of Deer Creek.

Stormwater Management Regulations in Harford County address water quantity and quality management, specifically for the 2-year and 10-year storms. There are also requirements for 100-year storm management for development above Reckord Road in the Little Gunpowder watershed, and above Business Route 1 in the Bynum Run watershed. These regulations involve calculating the amount of stormwater runoff that would be created during these major storm events and ensuring that proper management techniques are installed to handle these storms.

The NPDES Program is a Federally mandated program under the Clean Water Act. Under the 1987 Amendments to the Clean Water Act, permit requirements were established for stormwater discharges from municipal separate storm sewer systems (MS4s) or storm drain systems for municipalities with populations over 100,000 people. Harford County obtained its first municipal NPDES permit in 1994, with resubmittal and recertification required every five years. Components of the County's NPDES permit include stormwater management, erosion and sediment control, illicit discharge detection and elimination, road maintenance, and watershed assessment and planning. Once sources of pollutants are identified on a watershed basis, restoration projects are identified and implemented through the capital budget. Monitoring to determine the effectiveness of stormwater management and progress toward meeting water quality goals is an integral part of the NPDES program. Restoration of impaired waters is addressed through the development of Total Maximum Daily Loads (TMDLs) by Maryland Department of the Environment (MDE). MDE has determined that jurisdictions that implement the requirements of their municipal NPDES permit are controlling stormwater to the maximum extent practical, thereby meeting the waste load allocations specified in the TMDL. Continued

monitoring and NPDES program assessment ensure that progress toward meeting water quality goals is achieved.

Watershed Implementation Planning (WIP) – Harford County remains committed to meeting water quality goals for the Chesapeake Bay. The County continues to set milestones and track best management practices implementations in each of the sectors for water quality improvements. The County is actively coordinating with State and Federal agencies in the Phase 3 WIP.

Regulatory Measures – State and Federal

State Wetland Regulations are administered by the State of Maryland to protect tidal and nontidal wetlands. The State Wetlands Act was enacted to protect Maryland's tidal wetlands. This Act (COMAR 08.05.07) made waters below mean high tide the property of the State of Maryland. In 1988, the State entered into a Memorandum of Understanding with the Army Corps of Engineers (ACOE) to create a Joint Permit Application for construction in any floodplain, waterway, or wetland area in the State of Maryland. The State Nontidal Wetlands Protection Act (COMAR 08.05.04) requires a State permit for clearing and/or construction in, discharge to, or dredging of nontidal wetlands or their 25-foot buffers. Joint Permit Applications are received at Maryland Department of the Environment and distributed among the cooperating agencies which review and comment on permit applications.

Federal Wetland Regulations are based on the Rivers and Harbors Act of 1899, and the Clean Water Act. Under Section 404 of the Clean Water Act, the Secretary of the Army, acting through the Chief of Engineers (Army Corps of Engineers or ACOE), is authorized to issue permits for the discharge of dredged or fill materials into wetlands, with program oversight by the Environmental Protection Agency (EPA). The EPA has the authority to make final determinations on the extent of the Clean Water Act. This authority covers regulation of tidal and nontidal wetlands. The ACOE also issues permits for filling, dredging, and other construction in certain wetlands under Section 10 of the Clean Water Act. Under authority of the Fish and Wildlife Coordination Act, the Fish and Wildlife Service and the National Marine Fisheries Service review applications for these Federal permits and provide comments to the ACOE on the environmental impacts of the proposed work.

State Endangered Species Regulations were enacted in the State through the Maryland Endangered Species Act of 1971 (Article 66C, Section 125, Annotated Code of Maryland), which became the first piece of State legislation to protect endangered species in Maryland. This legislation prohibits the taking, transportation, possession, processing, or sale within the State of Maryland of any wildlife appearing on the Federal lists of endangered, foreign, or native fish and wildlife. Secondly, it mandated the Secretary of DNR to develop a list of fish and wildlife deemed to be threatened with statewide extinction in Maryland and provides for full protection from taking and possession of those species. The DNR list includes all of the Federally listed species and lists of species which are threatened or endangered within their range in Maryland. As of 2007, DNR tracks the status of over 1100 native plants and animals that are among the rarest in Maryland and in need of conservation efforts. DNR officially recognizes 607 species and subspecies as endangered, threatened, in need of conservation, or endangered extirpated in Maryland. Of these, 17 animals and 85 plants occur or once occurred in Harford County.

Federal Endangered Species Regulations, first enacted as the 1973 Endangered Species Act (ESA), provide a program for the conservation of endangered and threatened species and for the ecosystems upon which they depend. The U.S. Fish and Wildlife Service (FWS) shares responsibility for endangered and threatened species with the National Marine Fisheries Service of the Department of Commerce (NMFS). The FWS has jurisdiction over all terrestrial and freshwater species and a few marine mammals, while the NMFS is responsible for most marine species. Section 4 of the Endangered Species Act provided for the development and maintenance of an official list of endangered and threatened species. Three species on the Federal threatened and endangered species list occur, or once occurred, within Harford County. These are the Maryland darter, the shortnose sturgeon, and the bog turtle.

Presidential Executive Order 13508-Chesapeake Bay Protection and Restoration mandates a comprehensive plan to restore the Chesapeake Bay. The Order requires Federal agencies to provide reports which make recommendations for restoring and protecting the Chesapeake Bay. The Order mandates that these reports address the issues of water quality improvement, targeting resources to better protect the Bay and its tributaries, strengthening stormwater management practices at Federal facilities and on Federal lands, assessing the impacts of changing climates, expanding public access, and

conserving the landscapes, strengthening scientific support for decision making for this area, and developing focused and coordinated habitat and research activities. Overall, Executive Order 13508 seeks to protect the national treasure known as the Chesapeake Bay by restoring this ecological, economic, and cultural resource.

Partnerships

Harford County is fortunate to have several, strong partners, in addition to the State and federal governments, in its efforts to conserve natural resources. In addition to State and County professional staff, strong partners in Harford County's natural resource conservation efforts include:

- **Harford Land Trust** (www.harfordlandtrust.org) – The Harford Land Trust, founded in 1991, has protected more than 865 acres through ownership and stewardship. The trust's principal activities are purchasing open land to prevent development and offering private landowners' information and confidential advice about various local and State programs to sell or donate development rights. The trust promotes a variety of tools to preserve land, including conservation easements, bargain sale, donation, or limited development
- **Lower Susquehanna Heritage Greenway, Inc.** (www.lshgreenway.org) – The Lower Susquehanna Heritage Greenway, Inc (LSHGI) is a private, nonprofit organization incorporated in 1997 and dedicated to the concepts of heritage tourism and greenway development in a 70-square mile area along the Susquehanna River in Cecil and Harford Counties. LSHGI is the area's lead organization for heritage tourism development under Maryland's Heritage Preservation and Tourism Areas Development Program. LSHGI works with area landowners, businesses, and other stakeholders to identify, enhance, develop, and promote the area's historic, architectural, cultural, archaeological, recreational, and natural/environmental resources. LSHGI has a full-time executive director and small staff.
- **Otter Point Creek Alliance and Eden Mill Nature Committee** – Both the Otter Point Creek Alliance and the Mill Nature Committee conduct environmental education programs at County facilities. Both organizations are established recreation councils and have volunteer staff which supplements the paid County staff.

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147 acres, Forest Hill, MD; Owned by Herbert & Patricia Harkins; currently working on county easement

Chapter IV: Agricultural Land Preservation

Overview

Harford County has been a leader in agricultural land preservation since the 1st Agricultural Land Preservation Easement was recorded in 1977. Harford County has been a nationally recognized leader in efforts to permanently preserve valuable, productive farmland. Through a variety of preservation programs and tools, Harford County has preserved over 59,500 acres. Permanently protecting these large, connected areas of farmland assures a stable land base for a wide variety of agricultural enterprises. This in turn helps retain local agricultural support businesses, decreases the costs of community services for the entire county and maintains the high quality of life that makes Harford County such a desirable location.

The Department of Planning and Zoning administers the Agricultural Preservation program. There are a variety of options for landowners to preserve their land on a competitive basis. The Harford Agricultural Land Preservation Program (HALPP) and Maryland Agricultural Land Preservation Foundation (MALPF) easement programs account for the bulk of land preserved. Basic eligibility for all programs require properties to be in agricultural or forest production, have at least one extra development right available and meet certain minimum soil productivity standards as determined by the USDA NRCS.

Rural Legacy easements and donated Maryland Environmental Trust (MET) easements are other key elements supporting the preservation program. Recently, Harford County and MALPF programs have begun accepting donated easements as well, which will further increase the number of farms and acreage preserved within the County.

In response to the Agricultural Stewardship Act of 2006, Harford County adopted a Priority Preservation Plan in 2008 which applied to the Lower Deer Creek Rural Legacy Area. In 2009, the Deer Creek Rural Legacy Area and the Priority Preservation Area (PPA) were expanded to include the majority of the upper Deer Creek watershed.

To enhance preservation efforts, the 2016 Priority Preservation Area Plan further expanded the PPA boundary to include all lands north of the 2009 boundary and the Harford County portion of the Manor Rural Legacy Area. The new PPA encompasses portions of several watersheds, and this designation is consistent with the goals of the Sustainable Growth and Agricultural Preservation Act of 2012 (SB 236). The area is designated Agricultural on the County's Land Use Map and is located outside of the designated growth area. To date over 47,000 acres have been protected within the PPA, and the County continues working toward an 80% preservation rate for the undeveloped lands within that area.

County Agricultural Land Preservation Program Improvements and Challenges

Harford County's heritage is intimately linked to its agricultural traditions. For generations, farms and farmers have been the cornerstone of communities throughout the County, supplying a bounty of fresh produce, grain, milk, and livestock while also providing local jobs, tax revenues, pastoral views, and recreational opportunities. Historically, tobacco, grain, meat production and the harvesting of timber were the foundation of the industry. Later, dairy farms and vegetable canning operations emerged as farmers pursued higher value products. Today the agricultural industry continues to evolve as producers adopt new technologies and invest in capital improvements that aid in farming operations.

While the farming industry remains strong, farmland continues to be lost, threatening the future viability of agriculture in the County. Exurban development activity over the last several decades has caused the loss of productive farmland and natural resource areas. From 1959 to 2012, over 100,000 acres of agricultural farmland were converted to residential use. To ensure farming remains a viable industry, the County must adequately plan for a future that integrates sound land use planning with education, technology, and promotion to preserve our valuable agricultural resources. A sustainable agricultural industry also offers many benefits to local communities; including convenient access to healthy foods and improved nutrition. Building resilient local food systems is critical to creating healthy communities and ensuring food security.

Agricultural preservation programs provide financial rewards and other benefits when a landowner sells or donates their development rights. Those who sell development rights receive an infusion of capital that can be used to improve or diversify farming operations, purchase additional land, pay off debt, or meet other financial obligations. Participation in these programs can also provide tax benefits. As of 2021, Harford County has successfully preserved over 59,500 acres through conservation easements. Harford County has set a goal of 75,000 acres to be placed under perpetual land preservation easements by the year 2040. In addition, a reimagined transfer of development rights program

that is applied more strategically or surgically may enhance opportunities for preservation.

Maintaining the viability of agricultural uses and expansion of acreage under the land preservation programs requires continuing development of new approaches and enhancements to existing ones. Legislative, financial, and educational initiatives are always changing to strengthen Harford County's agricultural industry and land preservation goals. Harford County has implemented a number of the objectives from the latest County Master Plan "Harford Next" and the last LPPRP plan. The County expanded the Priority Preservation Area to encourage more preservation in the Broad Creek watershed and codify the already heavily preserved Manor Rural Legacy Area. Secondly, the County updated agricultural use legislation for tightening the criteria for farmers as value adding and discouraging non-farmers. The County also passed legislation prioritizing the Creswell, Churchville, and Jarrettsville areas of the County for land preservation by creating additional incentives for landowners to come into the program.

Harford NEXT set forth the County's goal of preserving 75,000 acres by 2040. The County preserved 323 acres of land in 2017, 908 acres of land in 2018, 2,726 acres of land in 2019, 1,546 acres of land in 2020, and 2,640 acres of land in 2021 with additional easements expected to settle in 2021 and 2022. State and local real estate transfer taxes continue to fund the land preservation programs at the State and County level.

Agricultural Preservation Goals of the 2022 LPPRP

The goals are as follows:

- Preserve 80% of the remaining undeveloped lands within the designated Priority Preservation Area
 - » Continue to preserve a minimum of 1,000 acres per year in the PPA;
 - » Investigate the possibility of designating the Broad Creek watershed as a Rural Legacy Area;
 - » Continue to utilize the Harford County Agricultural Land Preservation Program, MALPF, and Rural Legacy to fund preservation efforts;

- » Work with the State to shorten the time frame for MALPF settlements;
- » Maintain the County's MALPF certification to leverage state funds with County funds;
- » Work with local land trusts to seek alternative funding sources including state, federal, and private funds along with donations and match challenges to support preservation efforts;
- » Investigate opportunities and programs to create additional incentives to preserve farmland;
- » Continue to encourage the application of Conservation Development Standards for proposed residential development and include 75% of the parcel that is preserved in preservation totals.
- Monitor current preservation programs and residential development patterns to determine the impact on working farmland
 - » Continue to track projects grandfathered by Sustainable Growth and Agricultural Preservation Act of 2012;
 - » Continue to direct a minimum of 80% of all new development to the designated growth areas;
 - » Continue to report preservation efforts and development impacts as part of the Annual Growth Report and determine if additional steps should be taken to further stabilize the agricultural land base.
- Ensure that within the Priority Preservation Area there is support for a range of agricultural enterprises and the potential to adapt to new markets
 - » Promote community supported agriculture, farmer's markets, and other emerging local and regional markets and distribution systems;
 - » Continue to support agricultural and rural based tourism;
 - » Review and update the Agricultural Economic Development Initiatives to specifically support agriculture within the PPA;
 - » Continue to review and revise zoning regulations to permit compatible agriculturally related uses in areas easily accessible to farm operators while also minimizing impacts to surrounding properties.

State Goals for Agricultural Land Preservation

Goals of the 2022 State of Maryland Land Preservation, Parks and Recreation Plan regarding Agricultural Preservation:

- Permanently preserve agricultural land capable of supporting a reasonable diversity of agricultural production;
- Protect natural, forestry and historic resources and the rural character of the landscape associated with Maryland's farmland;
- To the greatest degree possible, concentrate preserved land in large, relatively contiguous blocks to effectively support long-term protection of resources and resource-based industries;
- Limit the intrusion of development and its impacts on rural resources and resource-based industries;
- Ensure good return on public investment by concentrating state agricultural land preservation funds in areas where the investment is reasonably well supported by both local investment and land use management programs;
- Work with local governments to achieve the following:
 - » Establish preservation areas, goals and strategies through local comprehensive planning processes that address and complement state goals;
 - » In each area designated for preservation, develop a shared understanding of goals and the strategy to achieve them among rural landowners, the public-at-large and state and local government officials;
 - » Protect the equity interests of rural landowners in preservation areas by ensuring sufficient public commitment and investment in preservation through easement acquisition and incentive programs;
 - » Use local land use management authority effectively to protect public investment in preservation by managing development in rural preservation areas;
 - » Establish effective measures to support profitable agriculture, including assistance in production, marketing, and the practice of stewardship, so that farming remains a desirable way of life for both the farmer and public-at-large.

Characteristics of the Harford County Priority Preservation Area

The newly defined PPA now encompasses over 110,000 acres of which 96,373 are zoned agricultural. Of the agriculturally zoned land, 49% (47,784 acres) has been preserved through a variety of measures. Preservation efforts in the PPA reflect a combination of easements and other protected lands. A mix of state parks and camps are located within the area; including Parker Conservation Area, Rocks, Palmer, and Susquehanna State Parks along with the Broad Creek Memorial Scout Reservation. The majority of the easements are held through Harford Agricultural Land Preservation Program (HALPP), Maryland Agricultural Land Preservation Foundation (MALPF), or Rural Legacy, with the Maryland Historical Trust and Maryland Environmental Trust holding the remainder. A portion of the 1,600-acre Broad Creek Memorial Scout Reservation has also been preserved.

According to the 2017 Census of Agriculture, there are 628 farms in Harford County, and a substantial portion of these farms are located in the PPA. The average producing farm is approximately 118 acres with many farmers owning or renting multiple parcels. The area is home to some of the County's largest grain and soy producers.

While traditional beef, dairy, and cash grain operations are the major agricultural enterprise, other sectors such as equine, orchards, vineyards, and commercial horticulture are expanding. Area farmers have also demonstrated their ability to adapt to changing demographics by moving to more value-added products through direct marketing aimed at the County's growing population.

Area farmers participate in Farmer's Markets as well as operating roadside stands, "pick your own" fields, and Community Supported Agriculture (CSA) programs. The processing of their products into cheese, ice cream, and retail ready beef and lamb have given producers access to new markets. Many stores and restaurants actively promote their utilization of locally grown products on their shelves and farm to table menus.

The selection of the northern portion of Harford County as a PPA clearly supports the state's goals for land preservation. This area also includes the County's two designated Rural Legacy Areas, a Certified Heritage Area, and three Scenic Byways – Horses and Hounds, Mason and Dixon, and Lower Susquehanna. All of these programs promote and support tourism while retaining the rural and natural characteristics of the area.

The Master Plan and Land Use Element Plan

The Harford County Charter requires the development of a Master Plan, and it requires the inclusion of a series of elements or components which "further advance the purposes" of the Master Plan. In 2015, the Department of Planning and Zoning initiated the update to the 2012 Master Plan and Land Use Element Plan. The Department's approach to the update is based on a thematic structure which incorporates the Transportation, Priority Preservation Area, Natural Resources, and Historic Preservation Element Plans into one cohesive and streamlined document known as HarfordNEXT.

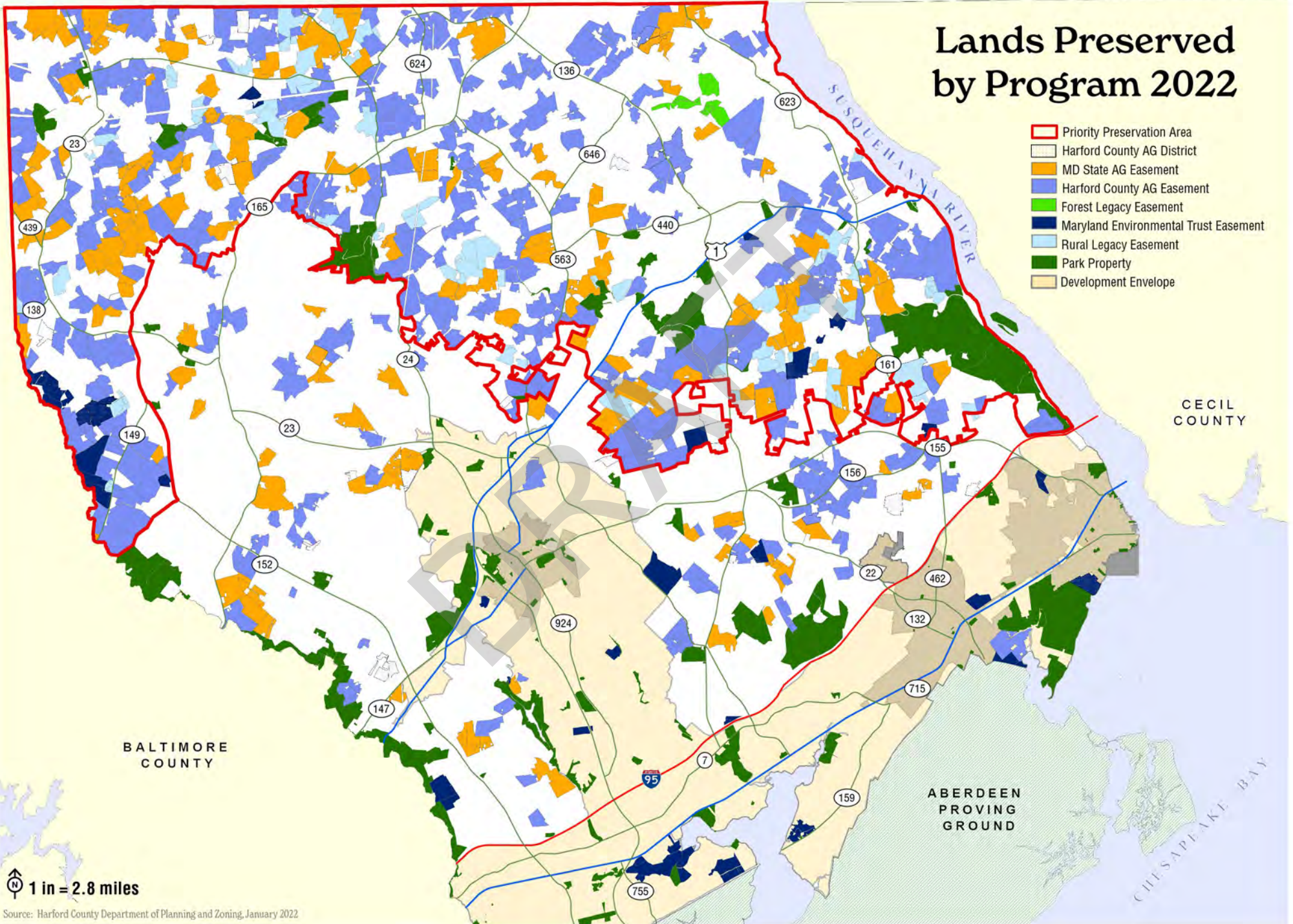
The designation of the PPA is consistent with HarfordNEXT, as well as other County plans, policies, and programs. HarfordNEXT supports the continuation of agriculture and preservation of the rural quality of life that has been an important part of Harford County's history. The PPA is consistent with the Grow With Purpose, Economic Vitality, Environmental Stewardship, Promoting Healthy Communities, and Preserving Our Heritage themes explored in HarfordNEXT. These themes serve as the common thread that provides continuity and consistency throughout HarfordNEXT. In addition, various County boards and programs help to implement these policies that are designed to protect the character of the rural area.

As a component of the County's Master Plan – Harford NEXT, the PPA promotes an integrated approach to preservation efforts by establishing appropriate goals for the amount of land to be preserved, and by describing the kind of agricultural production this area will support along with the way the preservation goals will be accomplished.

P E N N S Y L V A N I A

Lands Preserved by Program 2022

- Priority Preservation Area
- Harford County AG District
- MD State AG Easement
- Harford County AG Easement
- Forest Legacy Easement
- Maryland Environmental Trust Easement
- Rural Legacy Easement
- Park Property
- Development Envelope



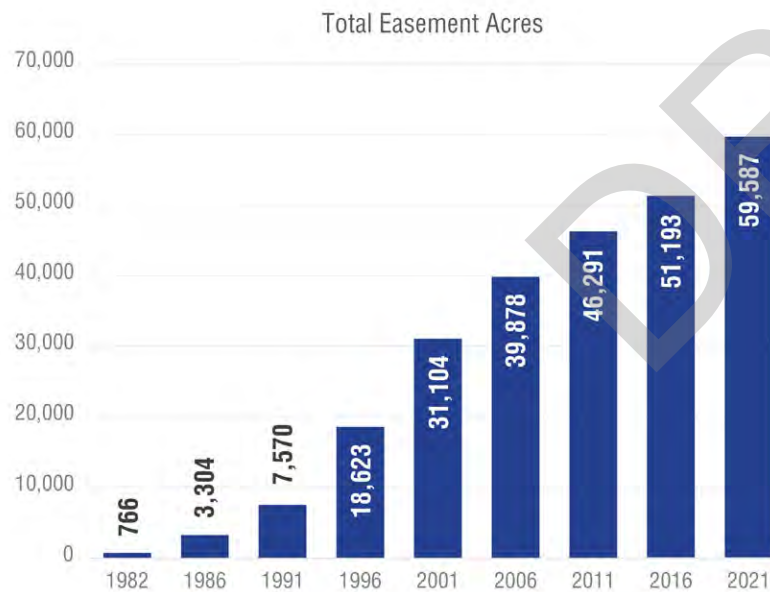
Source: Harford County Department of Planning and Zoning, January 2022

Table IV-1: Harford County Preserved Land, December 2021

Preservation Program	Countywide	PPA
Harford County Agricultural Preservation Program	34,459	28,553
Maryland Agricultural Land Preservation Foundation (MALPF)	16,399	12,282
Maryland Environmental Trust	3,325	1,609
Rural Legacy	4,830	4,770
Maryland Historic Trust*	558 (218*)	141
State Parks	7,979	4,084
County Parks	5,706	820
Total	73,033**	52,259

Source: Harford County Department of Planning and Zoning & Maryland Protected Lands Dashboard
 *MHT Easements which do not overlap with other land preservation easements.
 **Total only includes MHT easements that do not overlap with other land preservation easements.

Figure IV-1: Total Easement Acres (through December 31, 2021)



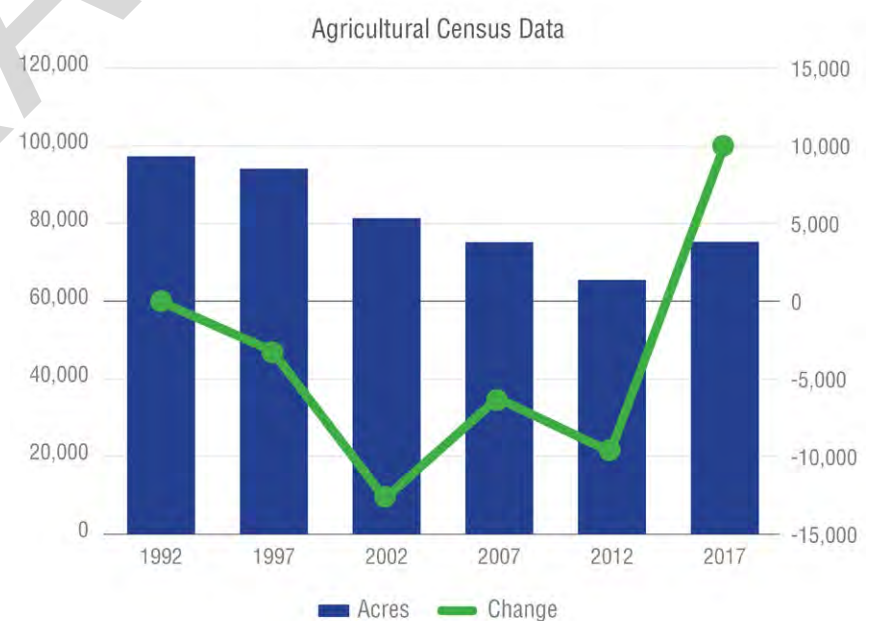
Countywide Preservation Program Evaluation

There are four major preservation programs used throughout the County; including the Harford County Agricultural Land Preservation Program (HALPP), Maryland Agricultural Land Preservation Foundation (MALPF), Rural Legacy, and Maryland Environmental Trust (MET). These programs have protected over 59,500 acres in the County. The Rural Legacy Program has protected over 4,700 acres in the two designated areas, while the County program has protected

Table IV-2: Farm Number and Size

Number & Size of Farms	1992	1997	2002	2007	2012	2017
Number of Farms	695	651	683	704	582	628
Average size (acres)	140	145	119	107	112	118

Figure IV-2: Agricultural Census Data



over 34,000 acres. The state program has protected an additional 16,080 acres. There are also 3,348 acres preserved through MET, and 539 acres of donated easements through MHT. A list of preservation programs and acreage preserved is found in Table IV–1 and total easement acres in Figure IV–1. A complete list of individual easements can be found in the LPPRP appendix.

Preservation efforts in the PPA also include parklands owned by the state and County. The Maryland Department of Natural Resources (DNR) manages publicly owned lands in the County, overseeing approximately 4,100 acres of public land and protected open space including Susquehanna, Palmer, and Rocks State Parks. County parks in the PPA comprise over 800 acres.

Continued development pressure on areas outside of the Development Envelope as well as changing agricultural markets and practices have continued to impact the County’s remaining farmland. The 2017 Census of Agriculture shows that between 2012 and 2017, the County gained farmland for the first time in at least 25 years, adding over 8,000 acres to productive lands (Figure IV–2).

The Census of Agriculture statistics also show the number of farms and the average farm size have both increased (Table IV–2).

Accomplishments in the Implementation of the 2018 LPPRP Goals

Harford County’s accomplishments in achieving the agricultural preservation goals of the State Plan and the 2018 LPPRP are provided below:

- Preserve 80% of the remaining undeveloped lands within the designated Priority Preservation Area
 - » Continue to preserve a minimum of 1,000 acres per year in the PPA; *This goal is being met.*
 - » Investigate the possibility of designating the Broad Creek watershed as a Rural Legacy Area; *This is still under consideration.*
 - » Continue to utilize the Harford County Agricultural Land Preservation

Program, MALPF, and Rural Legacy to fund preservation efforts; *These programs continue to be utilized.*

- » Work with the State to shorten the time frame for MALPF settlements; *MALPF is now operating on a yearly application cycle. Harford County continues to work closely with MALPF staff, owners, and consultants to shorten the time to settlement.*
- » Maintain the County’s MALPF certification to leverage state funds with County funds; *The County has maintained its status as a certified county.*
- » Work with local land trusts to seek alternative funding sources including state, federal, and private funds along with donations and match challenges to support preservation efforts; *Harford County continues to work closely with local land trusts and conservancies on various preservation projects.*
- » Investigate opportunities and programs to create additional incentives to preserve farmland; *Harford County continues to investigate such opportunities.*
- » Continue to encourage the application of Conservation Development Standards for proposed residential development and include 75% of the parcel that is preserved in preservation totals. *This continues to be an option for residential development.*
- Monitor current preservation programs and residential development patterns to determine the impact on working farmland
 - » Continue to track projects grandfathered by Sustainable Growth and Agricultural Preservation Act of 2012; *Harford County continues to monitor these projects as they near the end of their tenure.*
 - » Continue to direct a minimum of 80% of all new development to the designated growth areas; *This goal is being met*
 - » Continue to report preservation efforts and development impacts as part of the Annual Growth Report and determine if additional steps should be taken to further stabilize the agricultural land base. *This goal is being met.*

- Ensure that within the Priority Preservation Area there is support for a range of agricultural enterprises and the potential to adapt to new markets
 - » Promote community supported agriculture, farmer's markets, and other emerging local and regional markets and distribution systems; *Harford County actively promotes the agriculture industry on the County's and provides an agri-business incubator in The Grove at Harford.*
 - » Continue to support agricultural and rural based tourism; *Harford County actively promotes the agriculture industry and provides financial support to local non-profit organizations promoting rural based tourism*

- » Review and update the Agricultural Economic Development Initiatives to specifically support agriculture within the PPA; *This goal is being met.*
- » Continue to review and revise zoning regulations to permit compatible agriculturally related uses in areas easily accessible to farm operators while also minimizing impacts to surrounding properties. *Harford County continues to revise zoning regulations as necessary to meet this goal.*



Table IV-3: Preservation Land by Program, 1983-2021

Year	Harford Co PDR Acres	MD State MALPF Acres	Rural Legacy Easement (DNR) Acres	Forest Legacy Easement Acres	Manor Rural Legacy Easement Acres	MET Acres (Donated)	Harford Land Trust Parcel/Easement Acres	Maryland Historic Trust	Total Acres
Pre-1982	-	-	-	-	-	766	-	445 (286*)	925
1982	-	232	-	-	-	487	-		719
1983	-	614	-	-	-	-	-	6	620
1984	-	69	-	-	-	42	-	1	111
1985	-	339	-	-	-	-	-		339
1986	-	561	-	-	-	195	-		756
1987	-	1,338	-	-	-	180	-	40.5 (40.2*)	1,518
1988	-	509	-	-	-	-	-		509
1989	-	218	-	-	-	448	-		666
1990	-	446	-	-	-	50	-	0.7	497
1991	-	888	-	-	-	190	-		1,077
1992	207	122	-	-	-	65	-		394
1993	142	7	-	-	-	-	2	3	154
1994	1,687	660	-	-	-	13	124	13.2*	2,484
1995	1,672	890	-	-	-	103	26		2,691
1996	4,588	688	-	-	-	59	-		5,334
1997	2,485	509	-	-	24	-	39	22	3,079
1998	2,845	260	-	-	-	-	18		3,123
1999	1,666	538	-	-	-	-	-		2,204
2000	974	740	-	-	-	-	-	1	1,715
2001	764	848	603	-	94	74	-		2,383
2002	923	640	393	-	-	237	-		2,193
2003	1,871	292	178	-	-	-	-		2,340
2004	1,255	388	247	-	-	74	21		1,985
2005	1,357	-	-	-	-	15	-		1,372
2006	763	-	121	-	-	-	-		884

Table IV-3: Preservation Land by Program, 1983-2021

Year	Harford Co PDR Acres	MD State MALPF Acres	Rural Legacy Easement (DNR) Acres	Forest Legacy Easement Acres	Manor Rural Legacy Easement Acres	MET Acres (Donated)	Harford Land Trust Parcel/Easement Acres	Maryland Historic Trust	Total Acres
2007	871	323	92	-	-	-	-	14	1,299
2008	2,971	339	107	-	-	-	-	6	3,424
2009	-	321	278	377	12	-	134		1,122
2010	-	199	17	-	16	-	-	1	232
2011	-	-	352	-	-	-	5	0	357
2012	1,249	240	-	-	-	-	-		1,489
2013	414	-	176	-	-	-	-	3	594
2014	531	312	335	-	-	-	-		1,179
2015	121	152	307	-	-	-	22		602
2016	410	461	170	-	-	-	-		1,041
2017	47	-	276	-	-	-	-		323
2018	53	562	50	-	45	166	32		908
2019	2,165	444	200	-	-	17	-		2,826
2020	683	494	150	-	122	48	47		1,546
2021	1,748	440	485	-	-	119	-		2,792
TOTAL	34,459	16,082	4,538	377	313	3,348	471	218*	59,806

*This acreage is also covered by MET easement and is not included in the final total.

Appendix A. Parks and Recreation Facilities

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HARFORD COUNTY PARKS AND RECREATION FACILITIES

Ownership / Name of Area	Map No.	Recreation Council(s)	Recreational Acreage				Natural Resource Acreage			Ballfield / Diamond	Volley- ball Court	Multi- purpose Court	Football / Soccer / Lacrosse / Fld. Hock.
			Active Recreation		Passive	Total	Recreation	Resource	Total				
			Developed	Undeveloped									
Bush Declaration	1		0.0	0.0	256	256.0							
Gunpowder Falls State Park	2		4.0	0.0	2083.7	2,083.7							
Palmer Site	3		0.0	0.0	555	555.0							
Rocks State Park	4		0.0	0.0	1202	1,202.0							
Stoney Forest	5		0.0	0.0	317.8	317.8							
Susquehanna State Park	6		31.0	0.0	2608	2,639.0							
Subtotal — State Lands			35.0	0.0	7,022.5	7,053.5	0.0	0.0	0.0				
County Parks													
Ownership/Name of Area													
Abingdon Road Park	58	Em	0.0	41.9	5.0	46.9							
Abingdon Library	218		0.0	0.0	0.0	0.0							
Alfred B. Hilton Park	7	H	6.0	0.0	5.9	11.9						2	
Alice & William Longley Park	8	Ed	3.1	0.0	0.0	3.1			1			1	
Anita C. Leight Estuary Center (Leight Park)	9	Ed	8.0	0.0	85.3	93.3							
Barksdale Park	10	Jo	0.1	0.0	0.0	0.1							
Belcamp Park	11	B	10.6	0.0	0.0	10.6			3			2	
Belle Vue Farm	215	H	0.0	347.4	0.0	347.4							
Benson Fields	12	F	1.0	20.3	20.0	41.3							
Blake's Venture Park	13	FH	2.0	10.0	29.7	41.7						2	
Box Hill South	14	Em	10.0	0.0	7.9	17.9			2			2	
Broad Creek Public Landing	15	D	0.9	0.0	0.0	0.9							
Bynum Run Conservation Area (Broadview)	16	Em	0.0	0.0	16.0	16.0							
Bynum Run Conservation Area (Cedarday)	17	C	0.0	0.0	6.4	6.4							
Bynum Run Conservation Area (Hookers Mill Rd)	18	Em	0.0	0.0	29.0	29.0							
Bynum Run Conservation Area (Patterson Mill Rd)	19	Em	0.0	0.0	5.4	5.4							
Bynum Run Park	20	BA	5.3	0.0	0.0	5.3							
Cedar Lane Park	21	Em	84.0	0.0	28.0	112.0			1			13	
Chapel Road Park	22	H	67.0	0.0	0.0	67.0						4	
Chell Road Park	23	Jo	0.7	0.0	0.0	0.7							
Churchville Recreation Complex	24	C	40.0	54.0	79.3	173.3			8		1	6	
Clayton Road Conservation Area	25	Em	0.0	0.0	11.0	11.0							
Darlington Park	26	D	0.0	8.0	3.5	11.5						1	
Deer Creek Conservation Area (Rt. 1)	27	D	0.0	0.0	21.9	21.9							
Deer Creek Conservation Area (Rt. 136)	28	C	0.0	0.0	12.5	12.5							
Deer Creek Conservation Area (Sandy Hook Road)	29	D	0.0	0.0	157.6	157.6							
Deer Creek Conservation Area (St. Anne Drive)	30	NH	0.0	0.0	10.8	10.8							
Deer Creek Conservation Area (Walters Mill Road)	31	NH	0.0	0.0	2.0	2.0							
Dinning Property	216	D	0.0	36.0	0.0	36.0							
Dr. James Rutledge Memorial Park	32	Ja	35.6	0.0	0.0	35.6						5	
Dublin Dell	33	D	0.0	0.0	1.9	1.9							
Dublin Park (Vest)	34	D	0.0	35.0	0.0	35.0							

Number and Type of Facilities																								
Basketball Courts		Pickleball Courts		Tennis Courts	Golf Courses	Play-grounds	Picnic Facilities	Pavilion	Swimming		Beach (Feet)	Trails (Miles)	Conces-ion	Rest-rooms (seats)	Boat Ramps		Boat Slips	Fishing		Canoe-Kayak launch	Horse-shoe Courts	Dog Park	Parking Spaces	Pond
Indoor	Outdoor	Indoor	Outdoor						Area	Pool					Large	Small		Feet (Shoreline or Pier)	Fishing Piers					

For details about activities and amenities at Maryland state parks and other public lands, visit <http://www.dnr.state.md.us/publiclands/>.

							yes	1				0.90											1		
							1																		56
							1	yes																	24
			1				1	yes																	48
								yes				3.00		6											0
							1	yes																	76
								yes		1				6											
								no																	
								no							4										125
								no																	150
								no								1						1			40
								no																	
								no																	
								no																	
								no																	
								yes		1															35
								no		1															900
								no																	200
							2	yes																	
	2		2		3		2	4								23								1	432
								no																	
								no																	160
								no														1			
								no																	
								no														1			
								no																	
								no																	28
								yes																	10
								no													1.5				1

Ownership / Name of Area	Map No.	Recreation Council(s)		Recreational Acreage				Natural Resource Acreage			Ballfield / Diamond	Volley-ball Court	Multi-purpose Court	Football / Soccer / Lacrosse / Fld. Hock.
				Active Recreation		Passive	Total	Recreation	Resource	Total				
				Developed	Undeveloped									
Eden Mill Nature Center and Park	35	N		16.0	23.9	61.5	101.4							
Edgeley Grove Farm	36	F		10.0	90.0	141.9	241.9						2	
Edgewood Recreation Park	37	Ed		40.2	0.0	41.3	81.5						8	
Edgewood Recreation/Community Center	38	Ed		6.1	1.0	0.0	7.1				2	1	1	
Edgewater Village Parks	39	Ed		18.0	4.2	41.6	63.8					1	1	
Eleanor & Millard Tydings Park	40	A	H	8.0	21.7	282.6	312.3							
Emily Bayless Graham Park	72	Em		0.0	0.0	69.0	69.0							
Emma Rocky Park	41	D		14.0	0.0	29.2	43.2			1			1	
Emmorton Park	42	Em		4.6	0.0	6.9	11.5			1			1	
Emmorton Recreation and Tennis Center	43	Em		4.0	0.0	0.0	4.0							
Erwin Drive Park	44	Jo		0.8	0.0	0.0	0.8							
Fallston Recreation Complex/Chenowith Center	45	F		75.8	0.0	0.0	75.8			5			5	
Flying Point Park	46	Ed		16.7	0.0	0.0	16.7				1			
Forest Greens	47	B		0.0	0.0	109.8	109.8							
Forest Hill/ Hickory Activity Center	48	FH	HFG	4.2	0.0	0.0	4.2							
Forest Hill Recreation Complex	49	FH		26.0	25.0	0.0	51.0			7	1		4	
Francis Silver Park	50	D		16.0	0.0	2.5	18.5						1	
Friends Park	51	FH		10.0	4.3	0.0	14.3			1			1	
Graybeal Fields	52	BA		19.9	0.0	0.0	19.9						3	
Havre de Grace Activity Center	53	H		5.8	0.0	0.0	5.8							
Heavenly Waters Park - Administrative Offices	54	BA		0.5	0.0	0.0	0.5							
Heavenly Waters Park - Equestrian Center	55	BA		64.6	0.0	19.9	84.5							
Heavenly Waters Park - Kelly Fields	56	BA		4.2	0.0	0.0	4.2			2			2	
Heavenly Waters Park - Liriiodendron	57	BA		6.0	0.0	118.0	124.0							
Heavenly Waters Park - Tollgate Fields	59	BA		23.8	0.0	0.0	23.8			2			4	
Heavenly Waters Park - Tollgate Landfill	60	BA		0.0	0.0	116.7	116.7							
Heavenly Waters Park - Vale Road Park	61	BA		0.0	29.8	0.0	29.8							
Heavenly Waters Park - Wood Working Shop	62	BA		2.0	0.0	0.0	2.0							
Hickory Park	63	HFG		21.2	0.0	0.0	21.2			3			3	
Highland Park	64	NH		13.2	0.0	0.0	13.2			3		1	3	
Hollywoods Park	65	B		7.0	0.0	3.6	10.6			1			2	
Jarrettsville Fox Meadows Complex	66	Ja		20.8	0.0	0.0	20.8				1		3	
Jarrettsville Recreation Center- Preston	67	Ja		0.0	28.0	0.0	28.0							
Jarrettsville Recreation Complex	68	Ja		17.4	0.0	0.0	17.4							
Line Bridge Landing	69	NH		1.3	0.0	0.0	1.3							
Lyn Stacie Getz Creative Playground	70	Em		3.0	0.0	0.0	3.0							
Mariner Point Park	71	Jo		10.7	0.0	27.0	37.7				1			
Mountain Road Park	73	Em		5.6	0.0	0.0	5.6			1				
Mullins Park	74	A		0.0	20.0	231.0	251.0							
Norrisville Library and Recreation Center	75	N		16.2	5.0	0.0	21.2			2	2		3	
Norrisville Recreation Park- Bragg Property	76	N		0.0	32.4	8.4	40.8							
Northern Regional Park	215	N		0.0	49.5	0.0	49.5							
Nuttle Avenue Park	216	Ed		0.0	0.0	10.7	10.7							
Oak Ridge Park	77	BA		0.0	0.0	12.8	12.8							
Otter Point Landing	78	Ed		1.0	0.0	0.0	1.0							
Parker Conservation Area (Jolly Acres)	79	N		0.0	0.0	156.1	156.1							
Perryman Park	80	B		0.0	49.9	38.0	87.9							
Prospect Mill Park	81	HFG		24.1	2.5	7.5	34.1			1			2	
Reckord Road Park	82	F		23.9	0.0	0.0	23.9			4			3	
Robert Copenhaver Park (Incl Foster Run)	83	Jo		9.0	0.0	17.6	26.6						1	

Number and Type of Facilities																								
Basketball Courts		Pickleball Courts		Tennis Courts	Golf Courses	Play-grounds	Picnic Facilities	Pavilion	Swimming		Beach (Feet)	Trails (Miles)	Conces-sion	Rest-rooms (seats)	Boat Ramps		Boat Slips	Fishing		Canoe-Kayak launch	Horse-shoe Courts	Dog Park	Parking Spaces	Pond
Indoor	Outdoor	Indoor	Outdoor						Area	Pool					Large	Small		Feet (Shoreline or Pier)	Fishing Piers					
							yes	1				3.00		2		1		2,636	2.0		3		91	
						1	yes	2				1.40		6									140	1
	1						yes	1					1	4									791	
1	1	3				2	yes							10									100	
	2					1	yes					1.25								1.0				
							no																	
						1	yes	1				1.90											74	
	2						no																40	
							no							6									145	
				4			no																	
2						1	yes																	
2	1	3	5			1	yes	1				1.40	1	13									183	
						2	yes	2			1500			8	2			1,600.0			2		108	
							no					1.50						100.0					3	
							no			1				4										
	2			4			yes	1				0.90	1	4									251	
	1			4		2	yes	1				0.40		2									40	
						1	yes	1						4					1.0				86	1
							yes	1				1.10											250	
1		3					yes	1						17										
							yes																	
							np							1	8							1	20	
							no																60	
							no					1.00											322	
							no						1	6									159	
							no																	
							no																15	
							yes	1															103	
	2					1	yes																69	
							no																30	
						2	yes	1				0.60											100	
							no																	
							yes	1					1	1									141	
							no										1							
						1	yes	1						4									60	
						2	yes	2				1.20		4	4			5,300.0	5		2		136	
	1						no																15	
							no																	
1		1					yes	1						10									60	
							no																	
							no																	
							no																10	
							no																	
							no					0.70											14	
							no					1.40											180	
						1	yes	1						6									175	
						1	yes	1				0.50	1	2					1.5				61	1

Ownership / Name of Area	Map No.	Recreation Council(s)		Recreational Acreage				Natural Resource Acreage			Ballfield / Diamond	Volley-ball Court	Multi-purpose Court	Football / Soccer / Lacrosse / Fld. Hock.
				Active Recreation		Passive	Total	Recreation	Resource	Total				
				Developed	Undeveloped									
Saddleview Conservation Area	84	FH			0.0	0.0	55.8	55.8						
Scarboro Hills Disc Golf Course	85	D			15.0	20.0	26.2	61.2						
Scarboro Park	86	D			0.0	0.0	39.6	39.6						
Schucks Road Regional Sports Complex	87	HFG	Em	FH	45.3	0.0	26.0	71.3		5			1	
Swan Harbor Farm	88	H			43.7	188.9	300.1	532.7						
Tudor Hall	89	C			8.4	0.0	0.0	8.4						
Wade R. Tucker II Memorial Football Fields	90	BA			9.5	0.0	0.0	9.5		2			2	
Whiteford Library	219				0.0	0.0	0.0	0.0						
William N. McFaul Activities Center	91	BA			9.9	0.0	0.0	9.9						
Willoughby Beach Park (Parks)	92	Ed			0.0	17.5	28.0	45.5						
Willoughby Beach Public Landing	93	Ed			0.6	0.0	0.0	0.6						
Winters Run Greenway-North	94	Em			0.0	0.0	122.6	122.6						
Winters Run Greenway-South	95	Em			0.0	0.0	35.9	35.9						
Woodbridge Park	96	Ed			0.0	16.0	3.8	19.8						
Ma & Pa Heritage Trail, Bel Air Section	97				0.0	0.0	0.0	0.0						
Ma & Pa Heritage Trail, Forest Hill Section	98				0.0	0.0	0.0	0.0						
Subtotal — County Park Systems					978.3	1182.2	2730.7	4891.2	0.0	0.0	58.0	8.0	4.0	95.0
Municipal Parks														
Ownership / Name of Area														
A. B. Demarco Memorial Park (Aberdeen)	99	A			3.8	0.0	0.0	3.8					1	
Aberdeen Family Swim Center (Aberdeen)	100	A			11.4	0.0	0.0	11.4			1		1	
Aberdeen Festival Park and County Center	101	A			1.1	0.0	0.0	1.1						
Alice Anne Park (Bel Air)	102	BA			0.5	0.0	0.0	0.5			1			
Aquila Scott Park (Bel Air)	103	BA			14.0	0.0	0.0	14.0						
Bradford Green (Battery Village, Havre de Grace)	104	H			2.0	0.0	0.0	2.0						
Aberdeen - Bel Air Avenue property	217	A			0.0	13.4	0.0	13.4						
Church Green Park	219	A			0.5	0.5	0.0	0.5						
David Craig Park (Havre de Grace)	106	H			1.5	0.0	0.0	1.5						
Frank J. Hutchins Memorial Park (Havre de Grace)	107	H			2.0	0.0	0.0	2.0						
Havre de Grace Community Center	108	H			53.6	0.0	0.0	53.6						
Havre de Grace Promenade (Incl. Heritage Park)	109	H			0.0	0.0	10.0	10.0						
Homestead Park (Bel Air)	110	BA			5.5	0.0	0.0	5.5						
Jean S. Roberts Memorial Park (Havre de Grace)	111	H			0.8	0.0	0.0	0.8						
K-9 Cody Park	220	H			1.0	0.0	0.0	1.0						
Major's Choice Park (Bel Air)	112	BA			0.0	0.0	7.0	7.0						
McLhinney Park (Havre de Grace)	113	H			2.0	0.0	0.0	2.0						
North Deen Park (Aberdeen)	114	A			10.9	0.0	0.0	10.9		1			2	
North Park -Lock House (Havre de Grace)	115	H			7.6	0.0	41.2	48.8						
Plater Street Park (Aberdeen)	116	A			0.9	0.0	0.0	0.9						
Plumtree Park (Howard Park, Bel Air)	117	BA			4.0	0.0	0.0	4.0						
Rock Glen Park	217	A			0.0	21.4	0.0	21.4						
Rockfield Park (Bel Air)	118	BA			40.3	6.3	5.0	51.6		1			2	
Shamrock Park (Bel Air)	119	BA			7.7	0.0	0.0	7.7						
Somerset Manor (Havre de Grace)	120	H			1.0	0.0	0.0	1.0					1	
Swan Meadows (Aberdeen)	121	A			3.0	0.0	0.0	3.0		1				
Todd Field-Seneca Park (Havre de Grace)	122	H			12.0	0.0	0.0	12.0					1	
Twin Oaks (Aberdeen)	123	H			0.7	0.0	0.0	0.7						

Number and Type of Facilities																								
Basketball Courts		Pickleball Courts		Tennis Courts	Golf Courses	Playgrounds	Picnic Facilities	Pavilion	Swimming		Beach (Feet)	Trails (Miles)	Concession	Restrooms (seats)	Boat Ramps		Boat Slips	Fishing		Canoe-Kayak launch	Horse-shoe Courts	Dog Park	Parking Spaces	Pond
Indoor	Outdoor	Indoor	Outdoor						Area	Pool					Large	Small		Feet (Shoreline or Pier)	Fishing Piers					
							no																	
							no					5.00												15
							no																	
						3	yes	1				1.20												426
							no					5.20		4				200.0	1					20
							no							2					0.3					5
							yes							1	6									145
						1																		
1				1			no								12									140
							no																	
							no									1		60.0						12
							no																	
							no					1.00												15
							no															1		
												3.30												
												1.70												
10.0	16.0	15.0	7.0	17.0	0.0	31.0		28.0	0.0	1.0	1500.0	42.30	9.0	197.0	6.0	5.0	0.0	9966.0	15.3		8.0	3.0	7144.0	6.0
							no																	
						1	yes	1		1				8										98
						1	yes	1				0.25		4										
1						1	yes																	
							no																	
1						1	yes																	
							no																	
						1	no																	10
							no																	
							yes	1						8			1	35.0	1					30
							no																	60
							no					1.00		6				5280	1					
1				2		1	yes																	
							yes	1										100.0						15
																						1		20
							no																	
						1	yes					1.00												39
						1	yes																	50
							no					1.00												
						1	yes	1																
1						2	yes																	16
						1	yes	1				1.00		2								1		134
						2	yes	1						6										
1							yes																	
							yes																	
1						1	yes																	20
							no																	

Ownership / Name of Area	Map No.	Recreation Council(s)		Recreational Acreage				Natural Resource Acreage			Ballfield / Diamond	Volley-ball Court	Multi-purpose Court	Football / Soccer / Lacrosse / Fld. Hock.
				Active Recreation		Passive	Total	Recreation	Resource	Total				
				Developed	Undeveloped									
Tydings Park (Incl Yacht Basin, Havre de Grace)	124	H		9.3	0.0	14.0	23.3							
Veterans Park (Aberdeen)	125	A		0.5	0.0	0.0	0.5							
Veterans Park (Havre de Grace)	221			1.0	0.0	0.5	1.5							
Victory Street Park (Aberdeen)	126	A		6.2	0.0	0.0	6.2							
Subtotal — Municipal				204.8	41.6	77.7	323.6			3	0	2	8	

Board of Education																	
Ownership/Name of Area																	
Abingdon Elementary School	127	Em											28.7		1		1
Bakerfield Elementary School	128	A												10.0	2	1	1
Bel Air Elementary School	129	BA												6.3	1	1	1
Campus Hills Property	130	C															
Church Creek Elementary School	131	B												20.5	2	1	2
Churchville Elementary School	132	C												6.5	1	1	1
Darlington Elementary School	133	D												7.9	2	1	1
Deerfield Elementary School	134	Ed												19.0	2	1	1
Dublin Elementary School	135	D												25.0	3	1	3
Edgewood Elementary School	136	Ed												44.7	2	2	1
Emmorton Elementary School	137	Em												10.5	2	1	2
Forest Hill Annex	138	FH												2.0	1		
Forest Hill Elementary School	139	FH												8.4	1	1	1
Forest Lakes Elementary School	140	FH												20.0	2	1	2
Fountain Green Elementary School	141	HFG												23.9	2	1	1
George D. Lisby Elementary School	142	A												20.0	2	1	1
Hall's Cross Roads Elementary School	143	A												12.7	1	1	1
Havre De Grace Elementary School	144	H												10.3	1	1	1
Hickory Elementary School	145	HFG												33.1	2	2	2
Homestead/Wakefield Elementary School	146	BA												15.0	1	2	2
Jarrettsville Elementary School	147	Ja												15.0	5	1	5
Joppatowne Elementary School	148	Jo												17.2	3	1	1
Magnolia Elementary School	149	Jo												17.0	2		1
Meadowvale Elementary School	150	H												13.3		1	2
Norrisville Elementary School	151	N												11.5	2	1	1
North Bend Elementary School	152	Ja												18.2	2	1	1
North Harford Elementary School	153	NH												30.0	2	1	1
Old Post Road Elementary School	154	Ed												23.0	1		
Prospect Mill Elementary School	155	C												15.0	1	2	1
Red Pump Elementary	156	BA												23.5	2	1	4
Ring Factory Elementary School	157	BA												34.3	4	1	3
Riverside Elementary School	158	Jo												13.2	2	1	1
Roye-Williams Elementary School	159	H												28.0	3	1	2
Wakefield Elementary School	160	BA												21.5	2		3
William Paca Elementary School	161	Ed												23.0	3	1	2
William S. James Elementary School	162	Em												15.0	2	1	2
Youth's Benefit Elementary School	163	F												26.2	3	1	3
Aberdeen Middle School	164	A												43.8	3		3
Bel Air Middle School	165	BA												25.8	1		1
Edgewood Middle School	166	Ed												34.2	2		1
Fallston Middle School	167	F												48.3	1		1
Magnolia Middle School	169	Jo												69.3	4	1	7

Per LPPRP guidelines, Harford County claims 60% of the acreage of school sites against the local nonresource-based recreation acreage requirement.

Total school sites: 1,832.3 acres

60% of 1,832.3 acres = 1,099.4 acres

Number and Type of Facilities																								
Basketball Courts		Pickleball Courts		Tennis Courts	Golf Courses	Play-grounds	Picnic Facilities	Pavilion	Swimming		Beach (Feet)	Trails (Miles)	Conces-sion	Rest-rooms (seats)	Boat Ramps		Boat Slips	Fishing		Canoe-Kayak launch	Horse-shoe Courts	Dog Park	Parking Spaces	Pond
Indoor	Outdoor	Indoor	Outdoor						Area	Pool					Large	Small		Feet (Shoreline or Pier)	Fishing Piers					
	2		2			3	yes	1					1	11	2		245	200.0	1				135	
							no																	
	1					1	yes	1														1		
0	9		2	2	0	19	0	9	0	1	0	4.25	1	45	2	1	246	5615	3		1	2	627	0
0						2	yes																	
0	0					2	yes																	
1	1					2	yes																	
							no																	
2	1					3	yes																	
1	1					2	yes																	
1	1					2	yes																	
2	2					3	yes																	
1	2			1		3	yes																	
1	1			1		3	yes																	
2	2					3	yes																	
							no																	
2	2					1	yes																	
						3	yes																	
						2	yes																	
1	2					2	yes																	
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1	1					3	yes																	
1	1					3	yes																	
2	1					3	yes																	
2							no																	
2							no																	
2							no							1										
2							no																	
2	2					4	no							1										

Ownership / Name of Area	Map No.	Recreation Council(s)		Recreational Acreage				Natural Resource Acreage			Ballfield / Diamond	Volley-ball Court	Multi-purpose Court	Football / Soccer / Lacrosse / Fld. Hock.			
				Active Recreation		Passive	Total	Recreation	Resource	Total							
				Developed	Undeveloped												
North Harford Middle School	170	NH					30.0				3		1				
Patterson Mill Middle/High School	171	Em					79.9				4		1	5			
Southampton Middle School	172	BA					36.0				4			6			
John Archer School	173	C					15.0						1				
Aberdeen High School	174	A					53.5				3			4			
Bel Air High School	175	BA					40.0				4		1	2			
C. Milton Wright High School	176	HFG					60.0				5		1	2			
Edgewood High School	177	Ed					49.0				4			2			
Fallston High School	178	F					48.3				3		1	2			
Harford Technical High School	179	C					55.0				3		1				
Havre De Grace High/Middle School	180	H					60.2				4		1	3			
Joppatowne High School	181	Jo					65.2				4			3			
North Harford High School	182	NH					73.0				2		1	2			
Harford Glen Environmental Education Center	183	F	Em				245.2										
Subtotal — Board of Education							1,106.6	31.2	0.0	1,832.3	124	0	46	105			
SUBTOTAL — Harford County Public Recreation System							2,289.7	1255.0	2808.4	14,100.6	0.0	0.0	0.0	185	8	52	208
Homeowners Association (HOA) Sites																	
Garden Glen						0.343		3.77	4.11		0						
Ridgely's Reserve						10		120	130.00		0						
Homes at Fountain Green						1.1		5.4	6.50		0						
Bel Air Overlook						0.56		21.95	22.51		0						
Crossroads at Hickory						1.01		2.54	3.55		0						
Grace Hall						0.74		67.59	68.33		0						
Hamilton Reserve II						1.524		13.65	15.17		0						
James Run									0.00		0						
Synergy Center						0.5		0.83	1.33		0						
Benson's Corner						0.7		1.15	1.85		0						
Aumer Village Residential						1.34		4.96	6.30		0						
Edgewater Station Senior Housing						0.582		3.248	3.83		0						
All other HOA Land 12/1/12 - 12/31/17						18.949		113.44	132.389								
All other HOA Land 2005-November, 30 2012									585								
Total HOA Land 2005 - November, 30 2012									16.9								
HOA Land 1999-2005									3,036.7								
Total— HOAs						37.3	0.0	358.5	4034.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Major Semi-Public and Private Sites																	
Arena Club	191	C				10.3			10.3		0.0						
Bel Air Athletic Club	192	BA				4.5			4.5		0.0						
Blackhorse Golf	193	Ja				53.3		5.0	58.3		0.0					2	
Bulle Rock Golf Course	194	H				266.6			266.6		0.0						
Conowingo Pool	195	D				5.1			5.1		0.0						
Exton Golf Club (Aberdeen Proving Ground)	196	A				100.0			100.0		0.0						
Fallston Club Inc., The	197	F				19.9			19.9		0.0						
Fountain Green Swim Club	198	HFG				12.0			12.0		0.0						
Geneva Farms Golf Club	199	NH				174.5			174.5		0.0						
Harford County Community College	200	C				40.4			40.4		0.0	3				4	
Havre de Grace Little League Inc. (Stancil Park)	201	H				15.0			15.0		0.0	6					
Izaak Walton League of America (Bosley Conserv.)	202	Ed				0.0			0.0		350.0						
John Carroll Catholic High School	203	BA				70.7			70.7		0.0	4					5
Ladew Topiary Gardens, Inc.	205	Ja				0.0			0.0		249.8						
Maryland Golf and Country Club	206	BA	HFG			180.2			180.2		0.0						

Number and Type of Facilities																								
Basketball Courts		Pickleball Courts		Tennis Courts	Golf Courses	Play-grounds	Picnic Facilities	Pavilion	Swimming		Beach (Feet)	Trails (Miles)	Conces-sion	Rest-rooms (seats)	Boat Ramps		Boat Slips	Fishing		Canoe-Kayak launch	Horse-shoe Courts	Dog Park	Parking Spaces	Pond
Indoor	Outdoor	Indoor	Outdoor						Area	Pool					Large	Small		Feet (Shoreline or Pier)	Fishing Piers					
2	2			3			no		1															
2	2			6			no																	
2							no																	
1							no																	
2				8			no																	
3	2			6			yes																	
2	2			4			no																	
2				4			yes																	
2	2			4			no																	
2	1			3			no																	
2	4			8			no																	
3	3			5			no																	
2	1			4			yes																	
							no																	
86	61			64	0	90	0	0	0	3	0	0.00	0	0	0	0	0	0.0	0.0		0	0	0	0
96	86			83	0	140	0	37	0	5	1,500	46.55	10	242	8	6	246	15,581	18.3		9		6,025	6
								1		1														
							1					0.5												
							4						0.46									1		
													0.6											
							1			1			0.49									1		
							1																	
							1																	
			1																					
													0.32											
													0.81											
		1				3	1	1		2			1.57									1		1
										9														
0.0	0.0			0.0	0.0	11.0	1.0	2.0	0.0	15.0	0.0	0.50	4.3	0.0	0.0	0.0	0.0	0.0	0.0		0.0	3.0	0.0	1.0
1										2														
2										3														
							1																	
							0.5			1														
										1														
										1														
							1																	
						8				1														
												1.00	1											
	2					4																		
							1			1														

Ownership / Name of Area	Map No.	Recreation Council(s)		Recreational Acreage				Natural Resource Acreage			Ballfield / Diamond	Volley- ball Court	Multi- purpose Court	Football / Soccer / Lacrosse / Fld. Hock.	
				Active Recreation		Passive	Total	Recreation	Resource	Total					
				Developed	Undeveloped										
Mason-Dixon Trail	207	NH	D	H	39.8			39.8							
Mountain Branch Golf Course	208	F	Em		267.0			267.0							
North Harford Swim Club	209	Ja			19.0			19.0							
Ripken Stadium	210	A			52.4			52.4		6					
Rock Spring Swim Club	211	FH			10.9			10.9							
Ruggles Golf Course (Aberdeen Proving Ground)	212	A			150.0			150.0							
Wetlands Golf Course	213	A			201.6			201.6							
Winters Run Golf Club	214	BA			205.1			205.1							
Subotal — Major Semi-Public and Private					1,898.3	0.0	5.0	1,903.3	0.0	599.8	599.8	19	0	0	11
TOTALS - Entire Harford County System					4,260.3	1,255.0	10,194.4	20,038.4	0.0	599.8	599.8	204.0	8.0	52.0	219.0

A Aberdeen C Churchville Em Emmorton H Havre de Grace Jo Joppatowne W Woodshop OPCA Otter Point Creek Alliance
BA Bel Air D Dublin-Darlington F Fallston HFG Hickory/Fountain Green N Norrisville L Liriidendron Foundation
B Belcamp Ed Edgewood FH Forest Hill Ja Jarrettsville NH North Harford Eq Equestrian Center Committee

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Number and Type of Facilities																								
Basketball Courts		Pickleball Courts		Tennis Courts	Golf Courses	Play-grounds	Picnic Facilities	Pavilion	Swimming		Beach (Feet)	Trails (Miles)	Conces-sion	Rest-rooms (seats)	Boat Ramps		Boat Slips	Fishing		Canoe-Kayak launch	Horse-shoe Courts	Dog Park	Parking Spaces	Pond
Indoor	Outdoor	Indoor	Outdoor						Area	Pool					Large	Small		Feet (Shoreline or Pier)	Fishing Piers					
					1							21.90												
										1														
										1														
					1																			
					1																			
					1																			
3	2			12	8	0	0	0	0	12	0.0	22.90	1	0	0	0	0	0.0	0.0		0	0	0	1
99.0	88.0			95.0	7.5	151.0	1.0	39.0	0.0	32.0	1,500.0	70.0	15.3	242.0	8.0	6.0	246.0	15,581.0	18.3		9.0	8.0	7,771.0	8.0

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Appendix B. Recreation User Survey

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Harford County LPPRP Survey Overview

The 2022 Harford County Land Preservation, Parks and Recreation (LPPRP) survey was conducted online using SurveyMonkey. It was promoted across many platforms including the County’s Park and Recreation Facebook (1,700K followers), as well as through the email lists of each of the Recreation Councils. The survey was open for the entire month of November and collected 1,616 responses from across the County.

The LPPRP survey had several sections. There were questions about:

- Recreation Council
- Nature Programs
- Senior Citizen Programs
- Therapeutic Recreation Programs
- Park Visitation
- Sports Programs
- General Participation in Programs
- Program Satisfaction

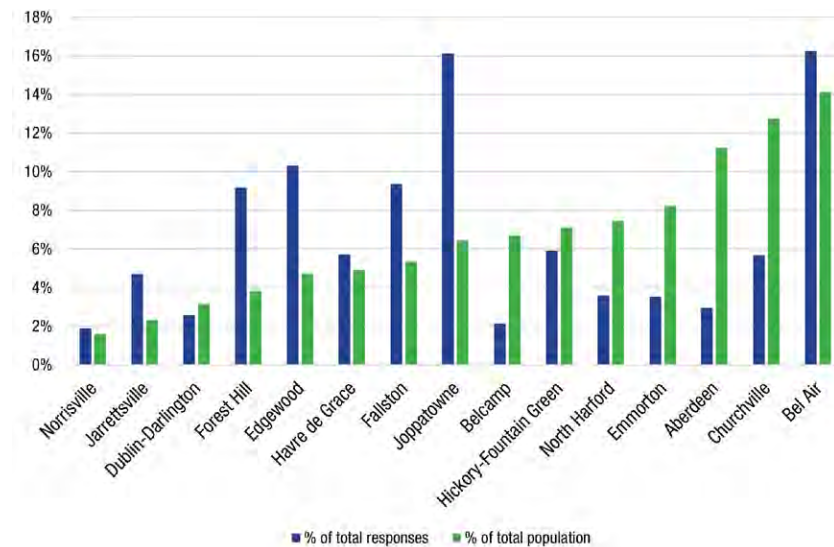
Recreation Council Breakdown

The survey asked respondents to identify the Recreation Council for their where they live. This was done through identifying zip code, which narrowed down the Recreation Council options, and allowed people to select their Council. The response percentage, in comparison to the percentage of the total population can be seen in the table and chart to the right.

Survey Response by Recreation Council

Recreation Council Area	Count	% of total responses	% of total population
Aberdeen	47	3%	11%
Bel Air	258	16%	14%
Belcamp	34	2%	7%
Churchville	90	6%	13%
Dublin-Darlington	41	3%	3%
Edgewood	164	10%	5%
Emmorton	56	4%	8%
Fallston	149	9%	5%
Forest Hill	146	9%	4%
Havre de Grace	91	6%	5%
Hickory-Fountain Green	94	6%	7%
Jarrettsville	75	5%	2%
Joppatowne	256	16%	6%
Norrisville	30	2%	2%
North Harford	57	4%	7%

Recreation Council Response Compared to Population

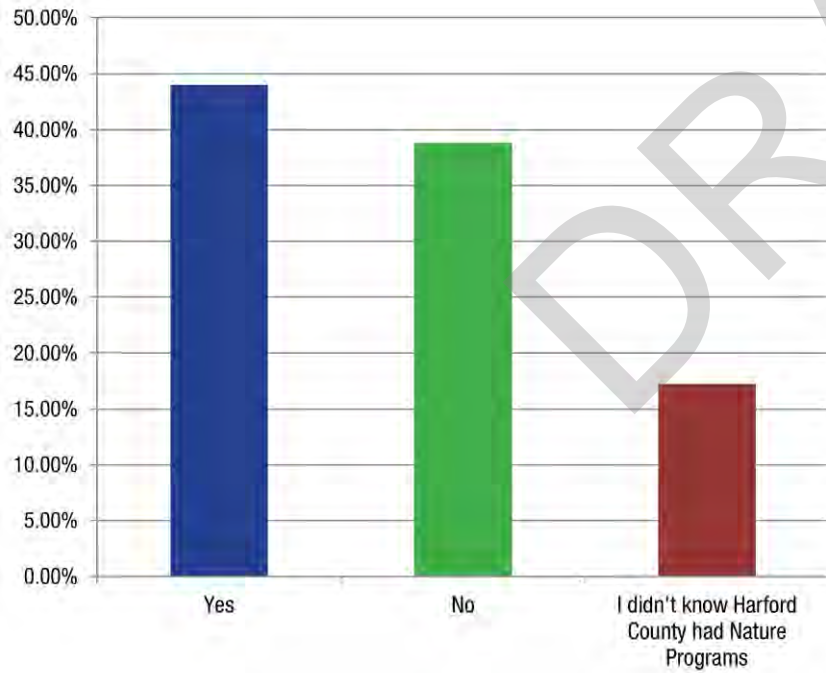


Nature Programs

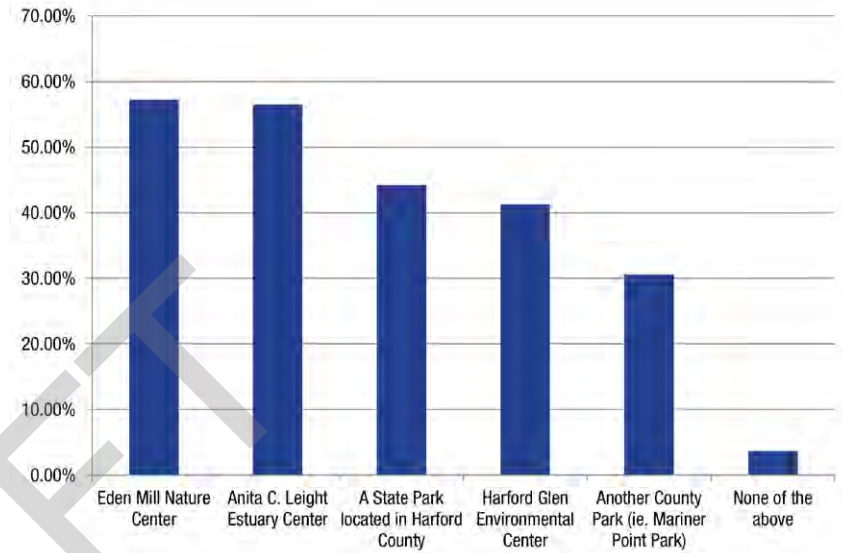
The survey asked about participation in nature programs, where people participated, and how many total programs, courses, or workshops people participated in. If someone said they did not participate in nature programs, the survey skipped the follow-up questions.

Out of all of the respondents, 44% of them had participated in nature programs in Harford County. 39% did not participate and 18% said they did not that Harford County had nature programs. The top two places to participate in nature programs were Eden Mill Nature Center (57.2%) and Anita C. Leight Estuary Center (56.5%). The majority of people, 69.5%, participated in 1-4 nature programs, 19% participated in 5-9 programs, and 11.5% participated in 10 or more programs.

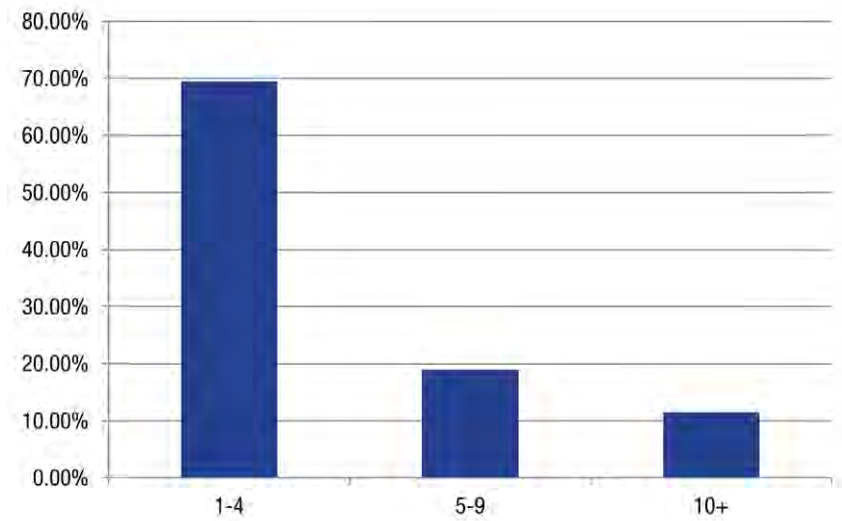
Within the past five (5) years have you or someone in your household attended any nature programs in Harford County?



Within the past five (5) years, where have you or someone in your household attended any nature programs in Harford County?



What is the total number of programs, courses or workshops has someone in your household participated in at these nature facilities?

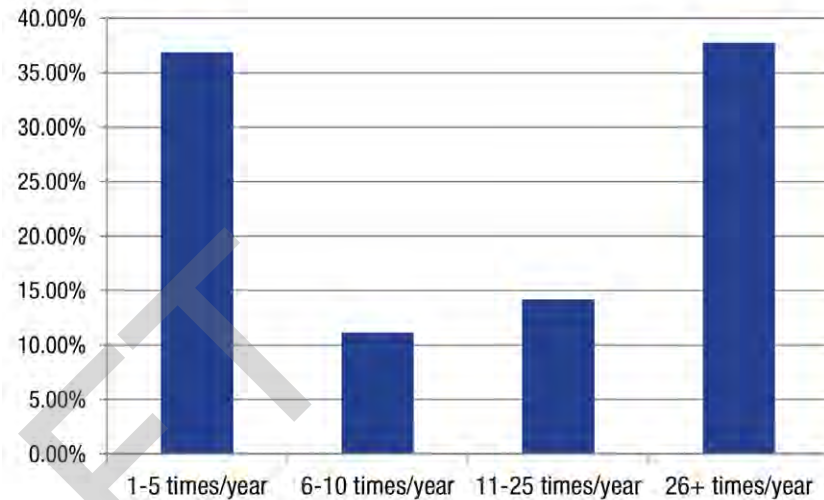


Senior Citizen Programs

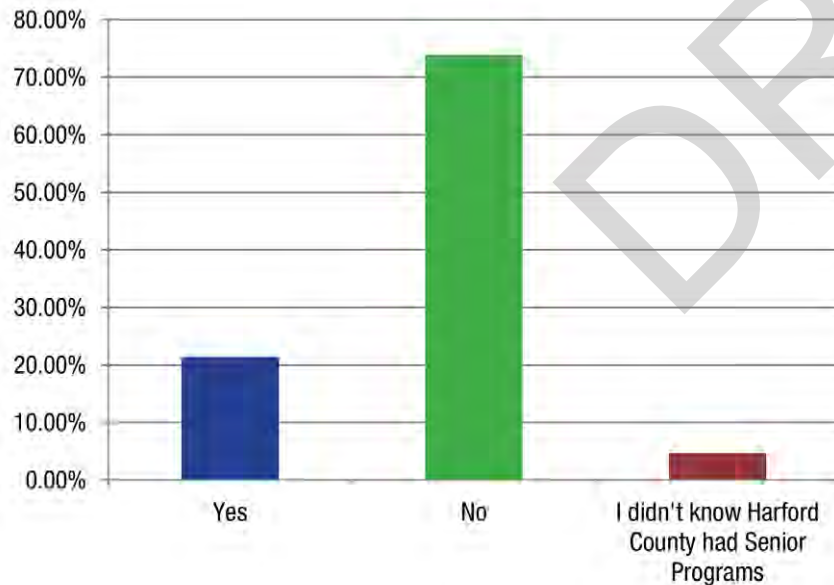
The survey asked about if people registered for senior citizen programming, how often people participated, and where they would like to see additional senior center facilities. If someone said they did not participate in senior citizen programs, they were skipped to the next section. If they said they did not know about the programming, they could answer where they wanted facilities.

Of the total respondents, 74% did not register, 21.4% had registered, and 4.7% did not know about the programs. Of the people who did register, 38% participated 26 or more times a year, 14.2% participated 11-25 times, 11.2% participated 6-10 times, and 36.8% participated 1-5 times per year. When asked where people who like to see new senior center facilities, 39.7% said “none of the above.” Of the locations, the top four were Joppatowne (18%), Bel Air (12.8%), and Forest Hill (9.8%), and Fallston (9.6%).

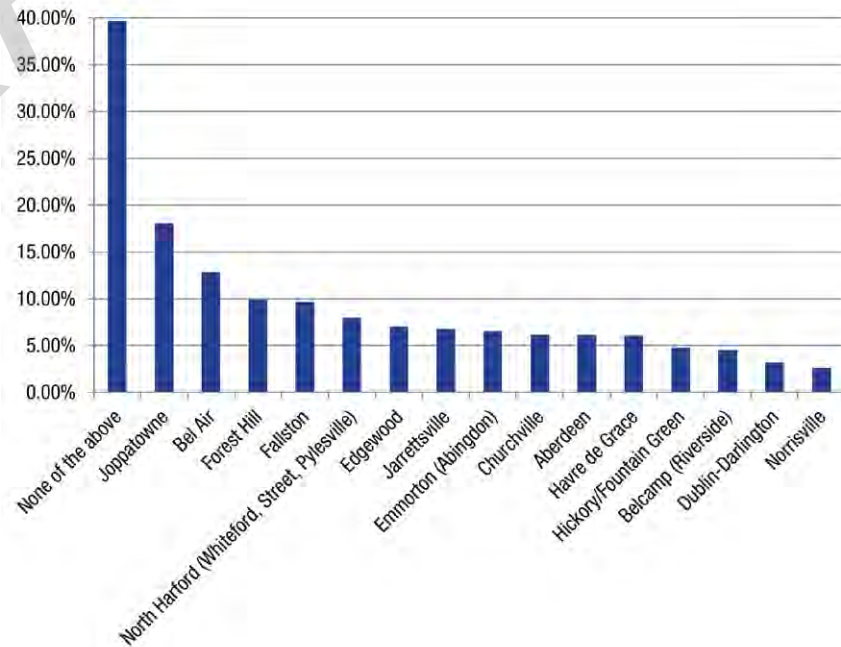
How often have you or someone in your household attended programs/ classes or visited a Harford County Senior Center in the past five (5) years?



Within the past five (5) years, have you or someone in your household registered for senior citizen programs or visited a Harford County Senior Center?



Are there additional senior center facilities you would like to see the County develop? If so, where? Choose all that apply

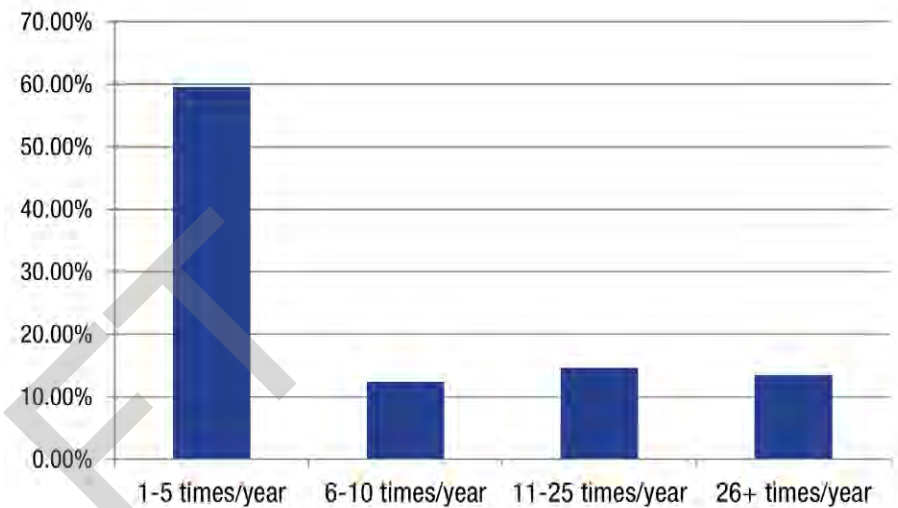


Therapeutic Recreation Programs

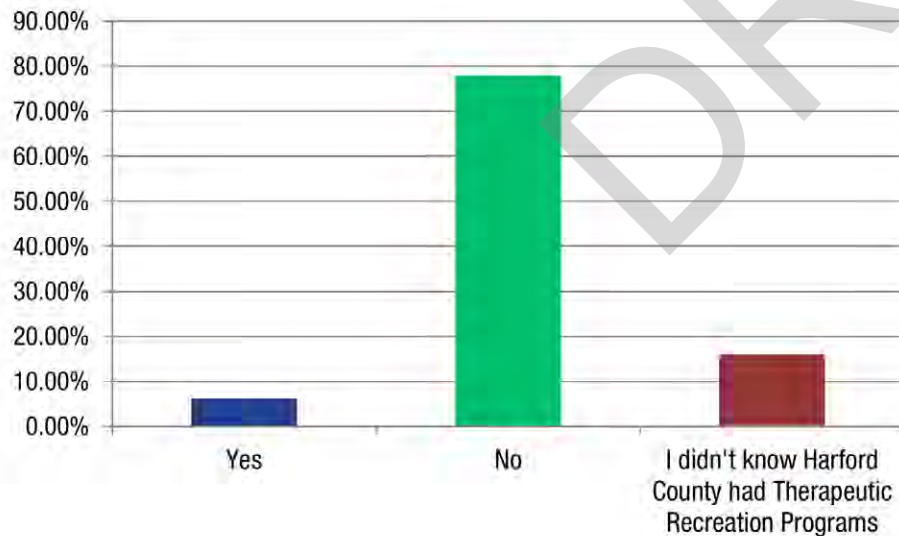
The survey asked about if people attended therapeutic recreation programming, how often people participated, the age range of participants, and what additional therapeutic recreation programs people would like to see. If someone said they did not participate in therapeutic recreation programs, they were skipped to the next section.

The majority of respondents (78%) did not attend therapeutic recreation programs, 15.9% did not know about the programming, and 6% did attend. Out of the people who did attend, 59.5% participated 1-5 times, 12.3% participated 6-10 times, 14.6% participated 11-25 times, and 13.5% participated 26 or more times. In terms of age, 36.4% of respondents were 36 years and older, 31.8% were 18 to 25, 30.7% were 11 to 17, and 18.2% were 5 to 10 years old. Respondents could check all ages that applied--someone with several family members could have answered twice. The four top therapeutic recreation activities people would like to see offered were: exercise programs (49%), cooking programs (37.8%), mental health and emotional wellbeing (37.8%), and arts and crafts (33.8%).

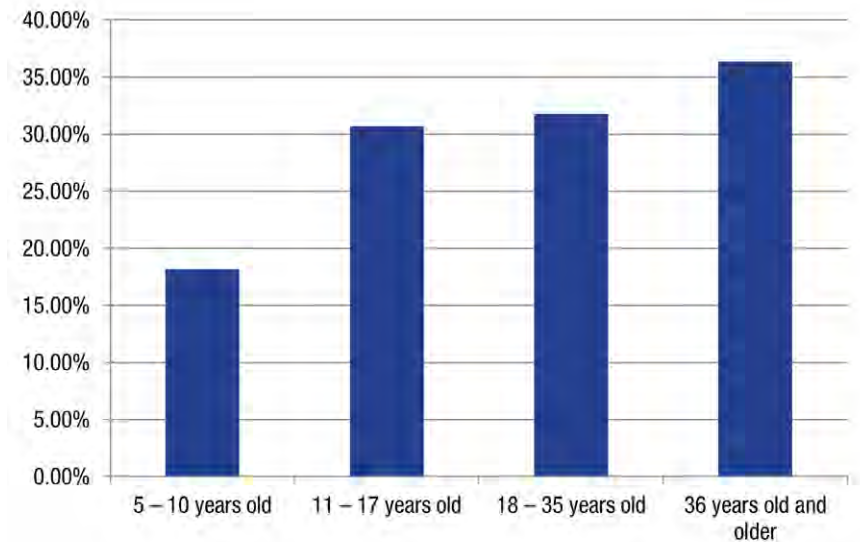
How frequently have you or someone in your household attended therapeutic recreation programs at a Harford County facility in the past five (5) years?



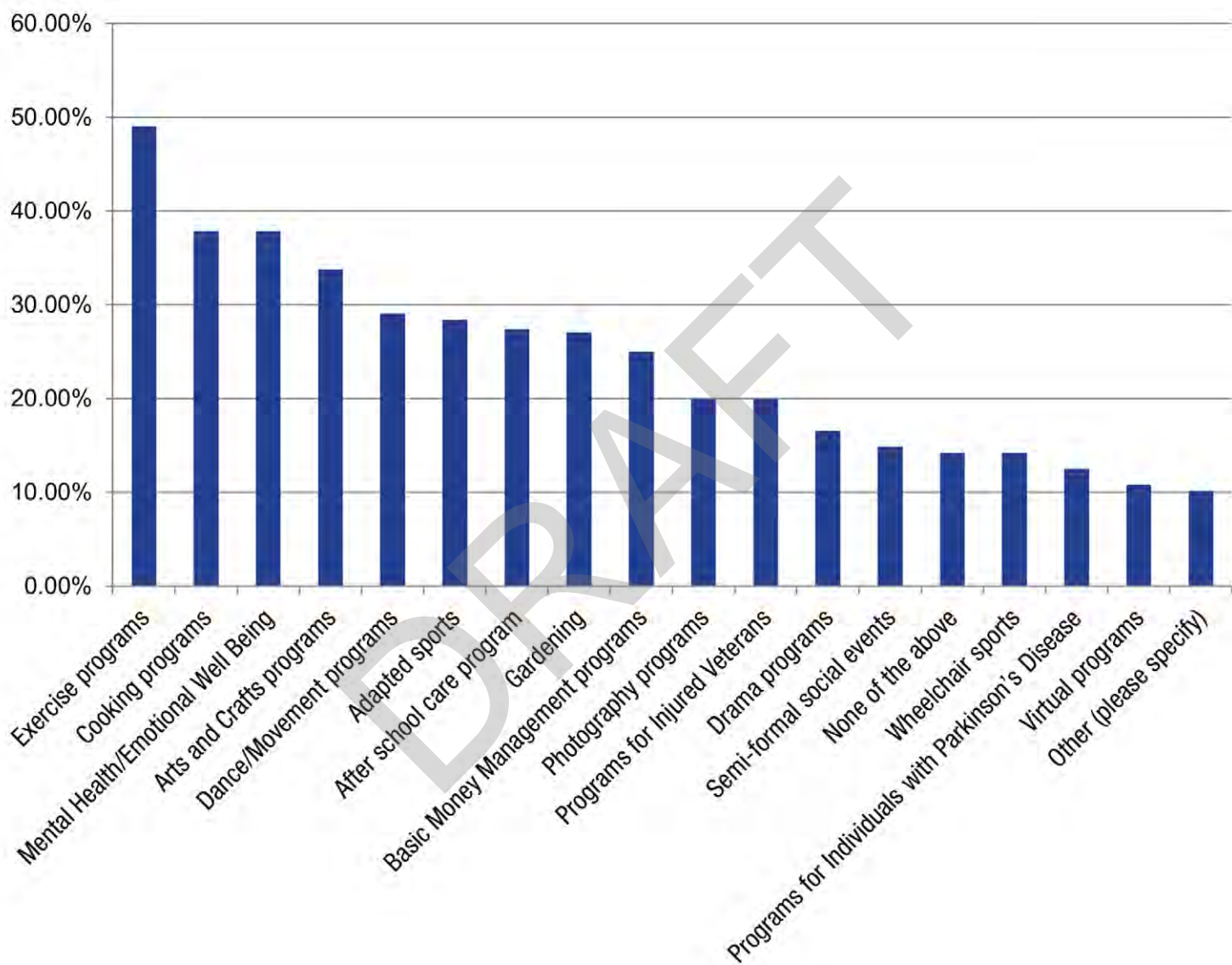
Within the past five (5) years, have you or someone in your household attended a therapeutic recreation (programs for individuals with disabilities) program at a Harford County facility?



What age range was the participant in the therapeutic recreation program? Choose all that apply



Are there specific therapeutic recreation programs/activities you would like to see offered or offered more frequently? Choose all that apply



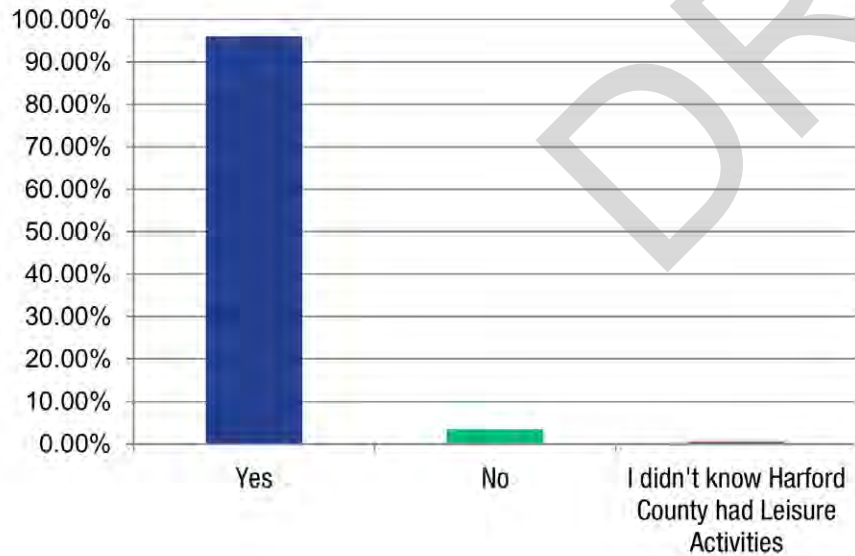
Park Visitation

The survey asked about if people visited a Harford County park or facility for leisure activities, how frequently they visited, and what people's top three activities were when they visited. If someone said they did not visit a park, they were skipped to the next section.

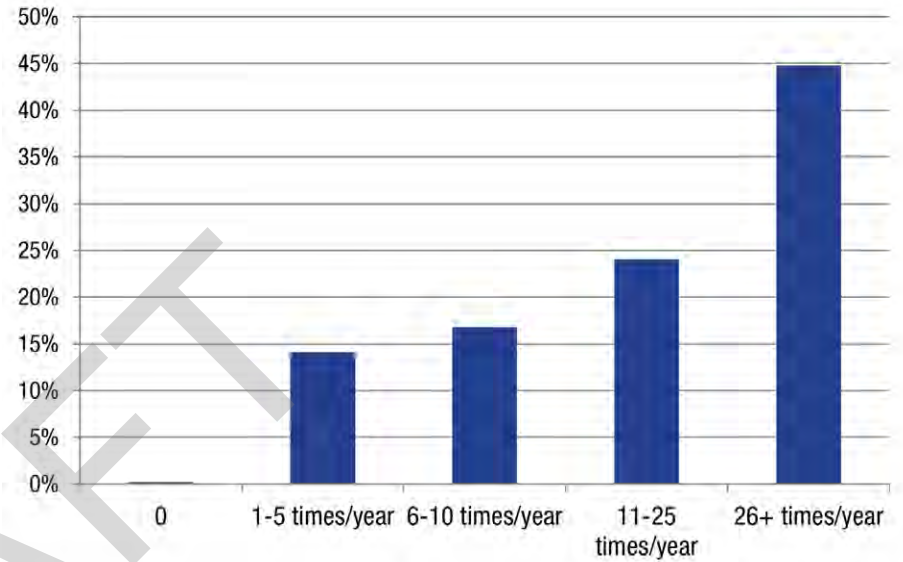
The large majority of respondents (96%) did visit a County park for individual/family/leisure activities. Only 3.4% did not and 0.6% said they did not know that Harford County had these types of activities. Most people (44.8%) said that they visits the parks for activities 26 or more times a year, 24% visited 11-25 times, 16.7 visited 6-10 times, 14.1% visited 1-5 times, and 0.2% never visited.

The top five activities during a visit to a park were: walking/running on paved trails (46%), walking/running on nature trails (39.8%), enjoying nature (39.1%), hiking (38.3%), and playground (35.3%).

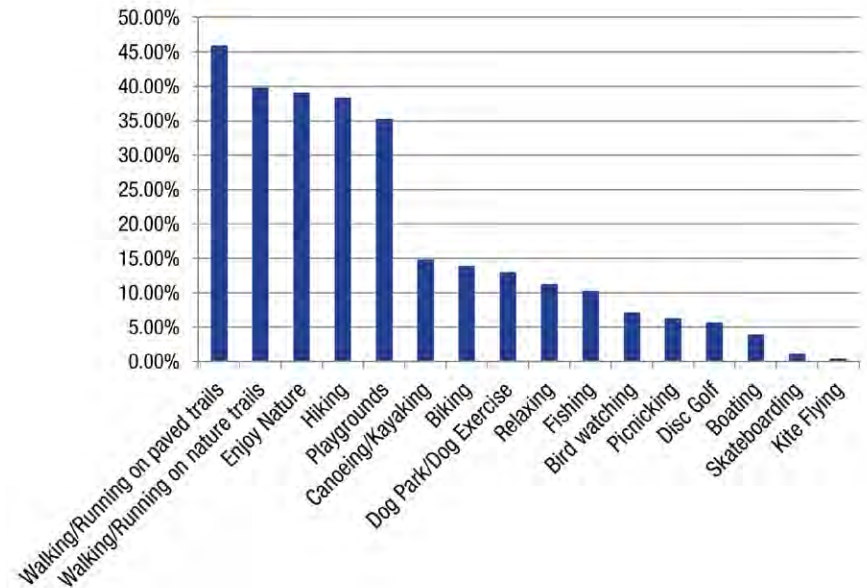
Within the past five (5) years, have you or someone in your household visited a Harford County park or facility for individual/family/leisure activities (trails, playgrounds, boating facilities, picnicking, hiking, fishing, and more)?



How frequently have you or someone in your house visited or used Harford County park facilities for individual/leisure activities in the past five (5) years?



What were your top three activities during your visits?



Sports Programs

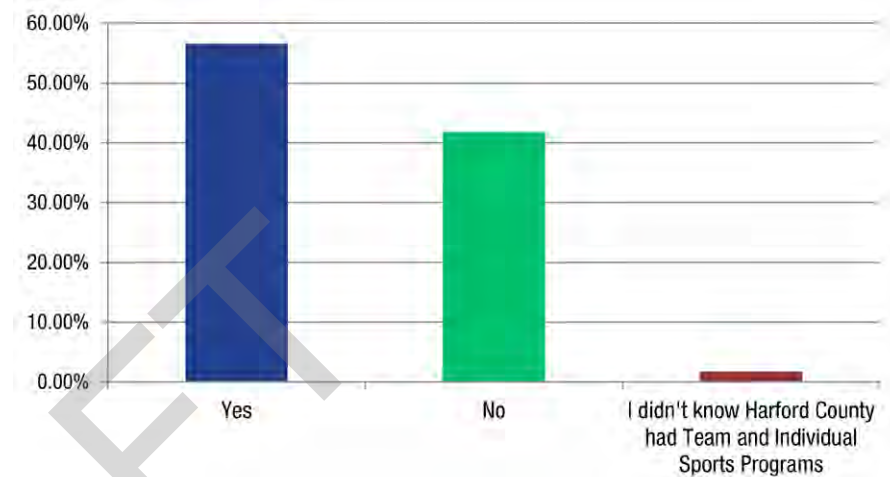
The survey asked if someone in their house registered for team or individual sports through a Recreation Council, how many programs they participated in, what additional sports programs they want to see for children (under 18), and what additional sports programs they want to see for adults (over 18).

Most people (56.5%) have registered for sports through a Recreation Council in the last five years, 42% had not, and 1.7% did not know that the County offered team or individual sports. Of the people who said yes, 50.3% participated 1-4 times, 21.5% participated 5-9 times, 12.8% participated 10-14 times, and 15.3% participated 15 or more times.

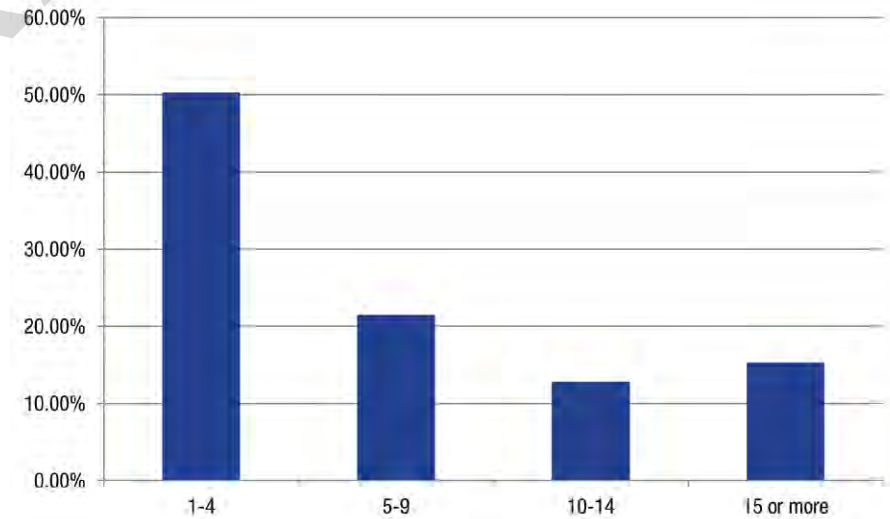
For people under 18, the top choice for additional sports programs was none of the above (21.1%). The next most population choices were canoeing/kayaking (19.9%), archery (18.7%), fitness (aerobics and yoga) (16.2%), indoor soccer (14.4%), soccer (13.4%), and gymnastics (13.3%).

For people over 18, the top choices were fitness (aerobics and yoga) (32%), canoeing/kayaking (25%), pickleball (22.1%), none of the above (18.6%), and archery (15.3%).

Within the past 5 years, have you or someone in your household registered for team or individual sports through a Recreation Council in Harford County?

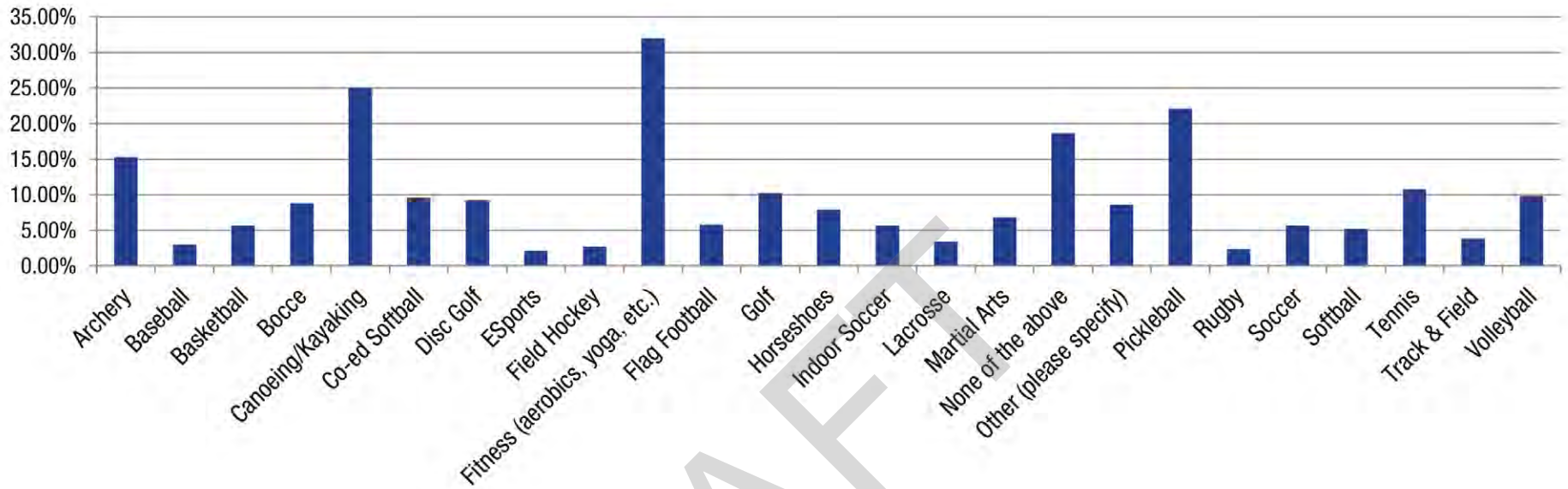


How many Recreation Council sponsored sports programs have you or someone in your household participated in during the past five (5) years?

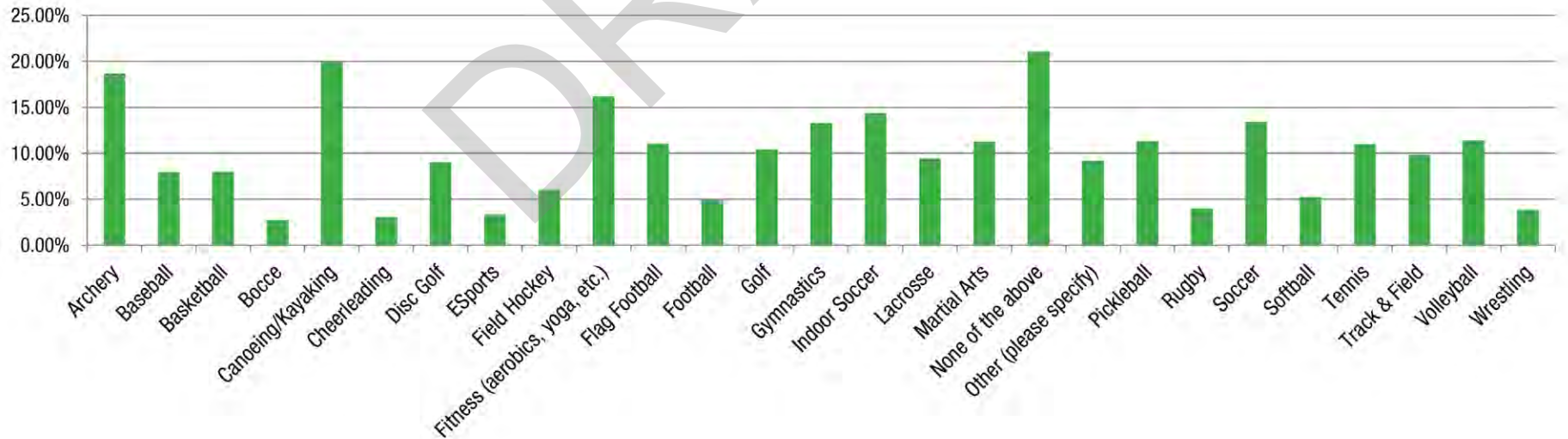


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Are there additional specific sports programs for adults (over 18) you would like to see offered in your Recreation Council/community area? Please choose up to 5.



Are there additional specific sports programs for school aged children (under 18) you would like to see offered in your Recreation Council/community area? Please choose up to 5.



General Questions about Programming and Satisfaction

The final section had a selection of questions to inform current and future plans. The questions included asking about current acceptance for lighting on fields and courts, the limitations to participation, how people are getting information, the favorite time of day for programming, additional facilities, and programs to develop, and top four budget priorities. The survey also asked about overall satisfaction with the County's facilities and programs.

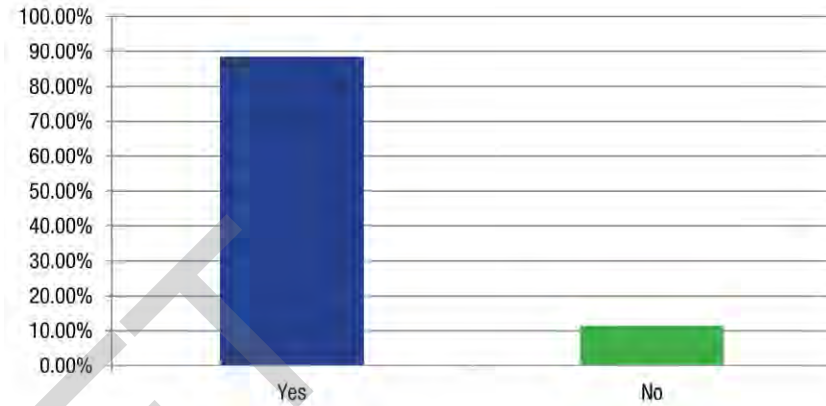
Lighting: 88.5% of people support lighting of athletic fields and courts in their community, 11.5% do not.

Limiting participation: The biggest limiting factor was the time/day of programs (42.8%). The second highest choice was "other" (30.6%), followed by proximity to programs (25.7%), and lack of interest in what is offered (16.9%). The question did not include a "none of the above" so many of the answers in "other" were "nothing is limiting my participation". Some of the other most common answers for "other" included:

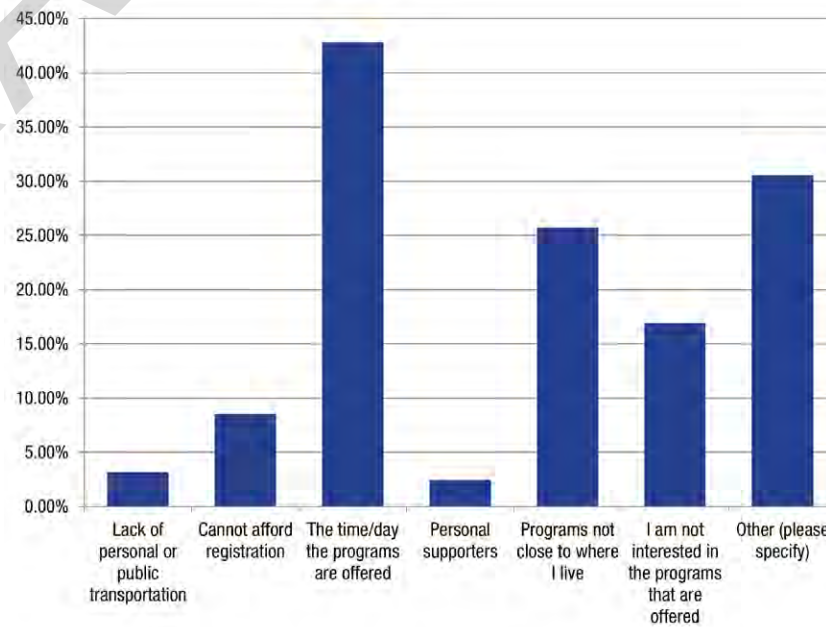
- COVID-19
- They fill up quickly
- Lack of knowledge/awareness about the programs
- Lack of time/ too busy
- Not enough programming
- Lighting for fall and winter afternoon/evening games
- Accessibility via walking and biking
- Number of facilities
- Disabilities

Preferred day and time: The most preferred time was weekday evening (after 5pm) (59.5%), followed by weekends daytime (53.70%), weekday daytime (28.2%), weekends evening (25.5%), and no preference (14.4%).

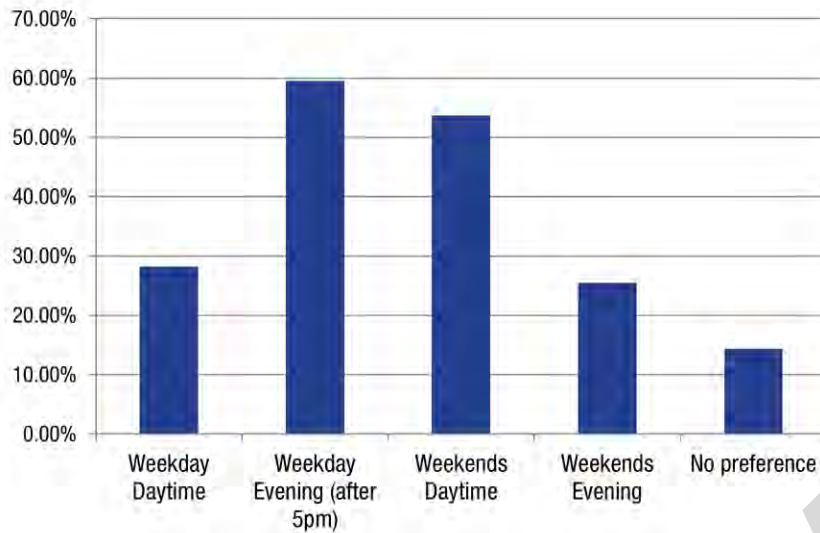
Do you support lighting of athletic fields and sports courts in YOUR community to allow for evening play?



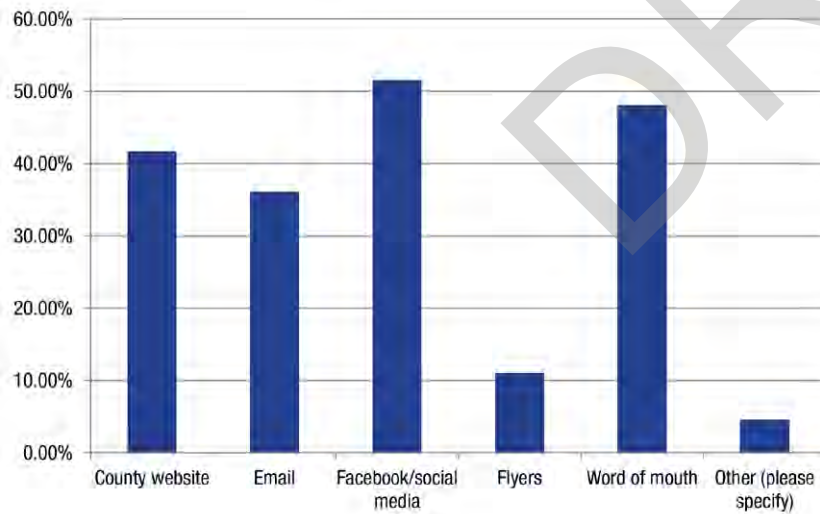
What has limited you or someone in your house from participating/attending Recreation programs in Harford County? Choose all that apply



What is your preferred day and time for Parks and Recreation programming? Choose all that apply



What are your current method(s) of getting information about Harford County Recreation programs? Choose all that apply



Method to get information: Most people are getting their information from Facebook/social media (51.5%) or word of mouth (48.1%). The next most common answers were the County website (41.7%), email (36.1%), flyers (11%), and “other” (4.6%). Some of the “other” common answers included:

- Recreation Council websites
- Schools (information sent home, marquee, handouts)
- Newsletters
- Internet/google search
- Emails
- At the Recreation Center

Additional facilities: The top four additional facilities people would like to see are nature walking trails (unpaved) (33.9%), activity/recreation centers (31.6%), swimming pools (29.6%), and paves walking and biking trails (27.9%).

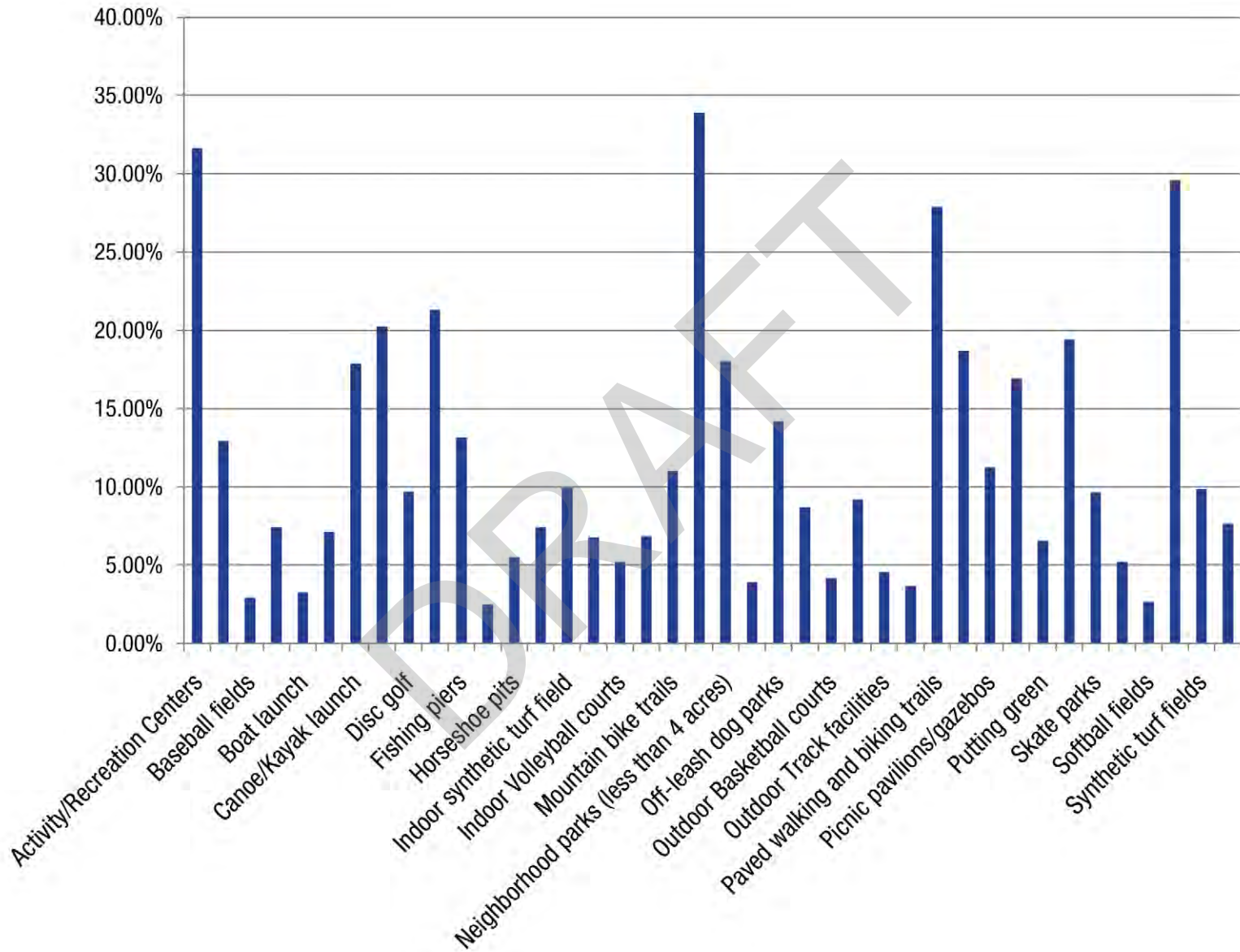
Additional programs: The top four additional programs people would like to see offered included: Youth (age 6-18) Outdoor Adventure programs (ropes course/ climbing wall) (39.9%), Youth (age 6-18) Environmental/Nature programs (37%), Youth (age 6-18) Summer Camps (33%), and Adult (age 18+) Environmental/ Nature programs (32.2%).

Budget priorities: The top four budget priorities for the next 10 years were: walking and biking trails (58.5%), activity/recreation centers (49.8%), land acquisition (39.6%), and playgrounds and park amenities (36.4%).

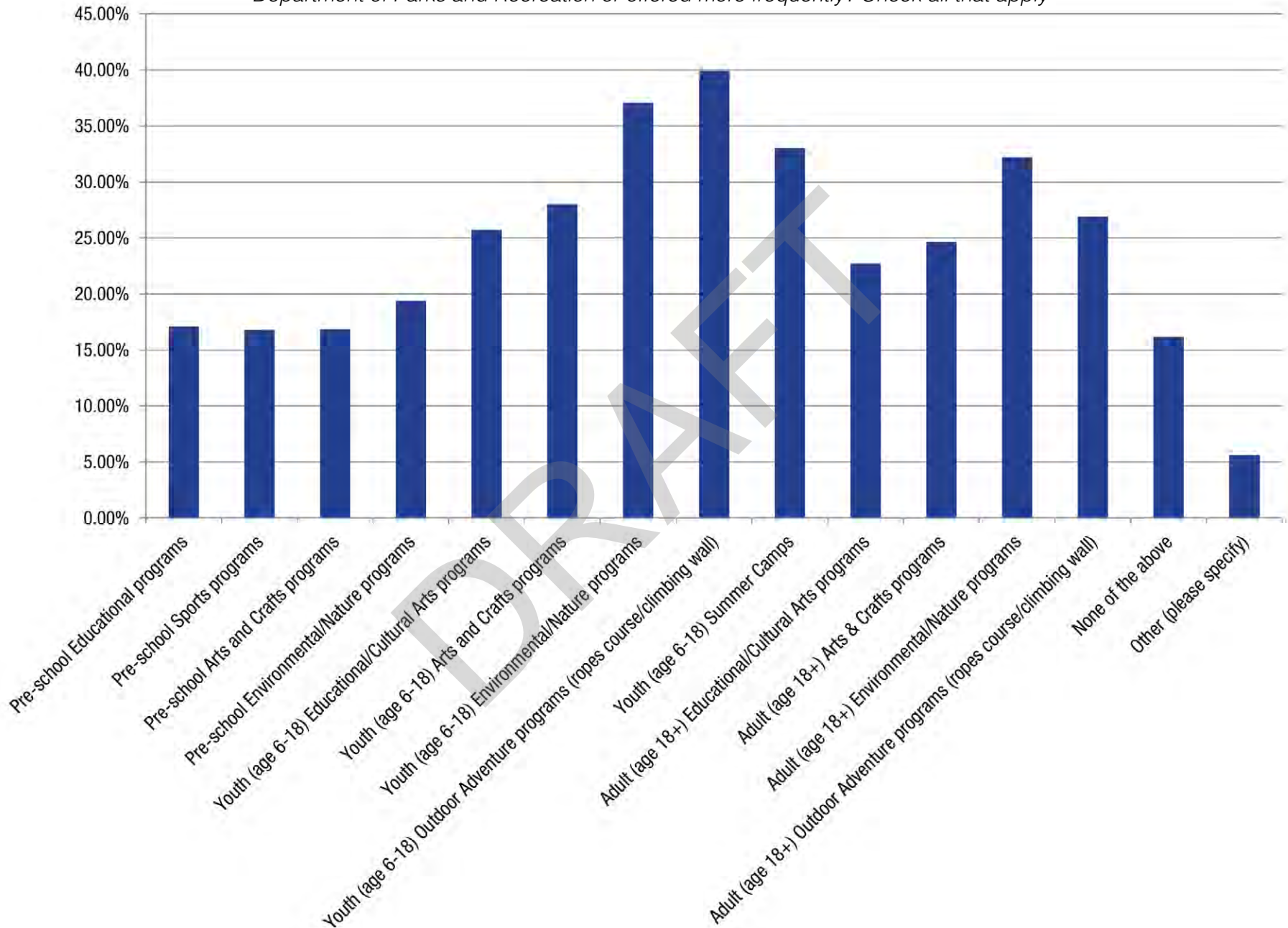
Facility satisfaction: The large majority of people are either very satisfied (19.2%) or satisfied (50.8%) with the facilities in Harford County. The other people were neither satisfied nor dissatisfied (22.5%), dissatisfied (6.2%) or very dissatisfied (1.3%).

Program satisfaction: The majority of people are either very satisfied (14.2%) or satisfied (47.7%) with the programs in Harford County. The other people were neither satisfied nor dissatisfied (31.2%), dissatisfied (6.2%) or very dissatisfied (0.7%).

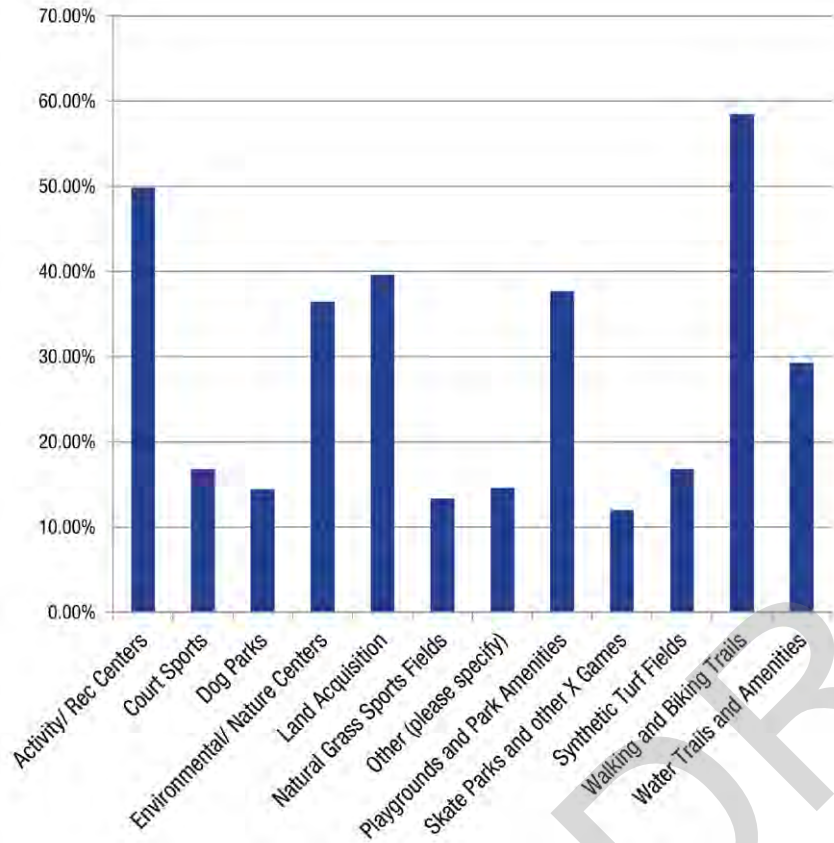
Are there additional facilities you would like to see the County develop either in your Recreation Council/community area or in the County? Please choose up to 8.



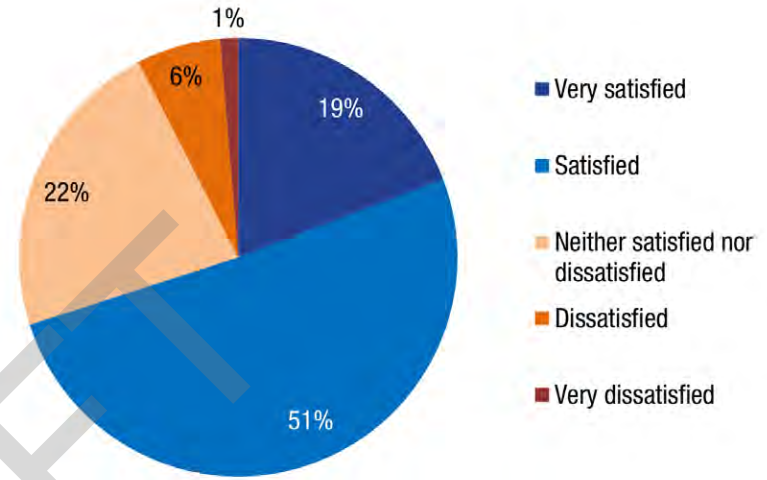
Are there types of programs/activities you would like to see offered by the Department of Parks and Recreation or offered more frequently? Check all that apply



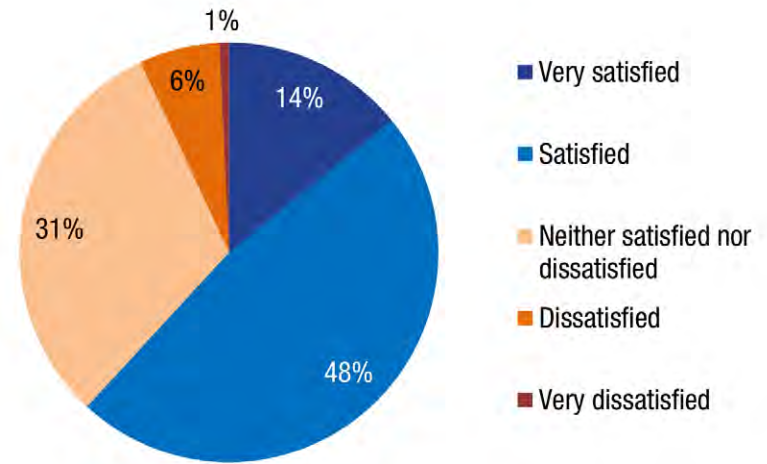
Pick the top 4 items you think should be budget priorities for spending over the next 10 years. Please choose four.



Please rate your overall satisfaction with Harford County parks and facilities.



Please rate your overall satisfaction with parks and recreation programs in Harford County.



Summary of comments:

At the end of the survey, respondents had the opportunity to add any extra commentary to the survey. There were 277 comments in total. All of the comments were collected and reviewed by the County. Many of them reiterated and supported information that was already in the survey. Once categorized, the comments fell into the following categories:

- Access (10)
- Acquisition (11)
- Bathrooms (4)
- Communication (8)
- Compliment (13)
- Disc Golf (10)
- Dogs (3)
- Environment (10)
- Equestrian (2)
- Facilities (4)
- Lights (18)
- Maintenance (8)
- Other (25)
- Pickleball (22)
- Programming (33)
- Question (2)
- Rec Center (44)
- Senior Center (13)
- Skate (4)
- Tennis (2)
- Trails (10)
- Turf (5)
- Water (16)

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Appendix C. Homeowner's Association Open Space Parcels

WILL BE COMPLETED

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Appendix D. Presevation Easement Listing

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APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
JAMES, MARY DULANEY	11/19/1977	MET	127	121.9	52	78
BARCHOWSKY, NAN JAY & MARTHA	12/11/1978	MET	84	85.85	52	256
MICHAEL, MARTHA G.	12/4/1979	MET	286	286	50	6
KLEPSIG, MANNING & PATRICIA	12/5/1980	MET	77	83.41	50	44
KLEPSIG, MANNING & PATRICIA	12/5/1980	MET	2.21	0	50	282
KLEPSIG, MANNING & PATRICIA	12/5/1980	MET	2.1	0	50	282
KLEPSIG, MANNING & PATRICIA	12/5/1980	MET	2	0	50	282
JAY, PETER & IRNA	12/30/1981	MET	70.7	0	36	300
JAY, PETER & IRNA	12/30/1981	MET	142.7	188.59	36	
VOSS, ELSA H.	5/26/1982	MET	235	264.19	38	1
GRIER, GEORGE & BETTY	6/28/1982	ME	56.8	0	25	175
GRIER, GEORGE & BETTY	6/28/1982	ME	97.55	162	25	16
GRIER, GEORGE & BETTY	6/28/1982	ME	8.05	0	25	41
KREIDER, SIDNEY & MILDRED	10/25/1982	ME	69.9	70	35	50
MCINTOSH, J. RIEMAN & ELIZABETH	10/25/1982	MET	61	0	31	53
MCINTOSH, J. RIEMAN & ELIZABETH	10/25/1982	MET	145	223	31	22
MCINTOSH, J. RIEMAN & ELIZABETH	10/25/1982	MET	17	0	31	197
RUFF, JAMES HENRY	6/29/1983	ME	201.6	202	34	119
QUALLS, JAMES & SIDNEY KREIDER	7/5/1983	ME	201.69	202	35	26
RICHARDSON, JAMES C. & CHARLES N.	11/8/1983	ME	228.91	210	3	18
MAUDE, SYLVIA	4/5/1984	MET	39.2	41.5	38	95
MAUDE, SYLVIA	4/5/1984	MET	2	0	38	95

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
HOOPES, DONALD	10/16/1984	ME	15	15	40	186
HOOPES, JAMES	10/24/1984	ME	14.64	15	40	187
ISLAND BRANCH FARM LLC	12/14/1984	ME	9.3	0	2	14
ISLAND BRANCH FARM LLC	12/14/1984	ME	50.66	38.6		
HOOPES, HERBERT	1/8/1985	ME	107.84	108	40	22
O'NEILL, JOHN H. & LOIS	1/14/1985	ME	104.77	110	40	16
WRIGHT, WILLIAM & ISABELLE	11/25/1985	ME	121.34	121	15	47
MARKLINE, BEN & DORTHY	2/13/1986	ME	115	115	23	93
WRIGHT, WILLIAM	2/13/1986	ME	112.63	113	9	55
BAYNE, ALBERT W.	6/23/1986	ME	138.31	127	25	
WRIGHT, WILLIAM & ISABELLE	9/16/1986	ME	200.05	206	9	148
EASTER, JAMES MILLER II & THEODOSIA	12/24/1986	MET	100	195	38	83
EASTER, JAMES MILLER II & THEODOSIA	12/24/1986	MET	110.63	0	38	
GORRELL, WILSON & SANDRA	1/16/1987	ME	194	194	33	372
MITCHELL, JOHN WINFIELD	1/16/1987	ME	20	0	50	49
MITCHELL, JOHN WINFIELD	1/16/1987	ME	89.19	110	50	50
ISLAND BRANCH FARM LLC	1/16/1987	ME	2.6	0		
ISLAND BRANCH FARM LLC	1/16/1987	ME	101	0	2	16
ISLAND BRANCH FARM LLC (A)	1/16/1987	ME	138	244	2	24
HARRISON, HOWARD NORMAN & McNUTT, MYRA	1/16/1987	ME	75.7	75	3	13

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
GORRELL, CLARA	4/12/1987	ME	115	115	40	5
WILSON, ELOISE	6/30/1987	MET	40	40.29	61	338
DAVIS, ELIZABETH	7/8/1987	ME	90.61	84	4	86
BONITA FARM	8/13/1987	ME	337.85	390	36	33
BONITA FARM	8/13/1987	ME	51.73	0	36	296
HOPKINS, CARROLL	8/27/1987	ME	123	126	28	113
OWENS, ALBERT H.	12/23/1987	MET	140	140.03	42	48
TROYER, ELLWOOD	4/6/1988	ME	125.6	125.6	22	10
LINKOUS, MARVIN	8/10/1988	ME	8	0	9	50
LINKOUS, MARVIN	8/10/1988	ME	166.651	175	9	50
KIRKWOOD, CALVIN & NORMA	11/14/1988	ME	110.67	110	15	21
WALKER, BENJAMIN SCOTT & RALPH DEWITT & RUTH SILVER WALKER	12/28/1988	ME	39.81	0	43	133
WALKER, BENJAMIN SCOTT & RALPH DEWITT & RUTH SILVER WALKER	12/28/1988	ME	58.67	98	43	373
MARYLAND TRANSPORTATION AUTHORITY	1/30/1989	MET	14	18.3	57	207
MARYLAND TRANSPORTATION AUTHORITY	1/30/1989	MET	4.3	0	57	235
KIRKWOOD, DENNIS L. & JEAN	2/27/1989	ME	28.79	26	15	197
WILSON, GEORGE D. JR	4/7/1989	ME	12.27	0	18	140
WILSON, GEORGE D. JR	4/7/1989	ME	51.46	0	18	2
WILSON, GEORGE D. JR	4/7/1989	ME	66.97	130	17	30
BATCHELOR, SHANNON	7/19/1989	ME	61.87	62	23	65
WILSON, EDWARD C. JR	10/5/1989	MET	54.51	58.31	28	6
WILSON, EDWARD C. JR	10/5/1989	MET	3.78	0	28	264
CHESAPEAKE BAY FOUNDATION	12/22/1989	MET	55.4882	96.92	66	394

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
CHESAPEAKE BAY FOUNDATION	12/22/1989	MET	2.969	0	66	530
CHESAPEAKE BAY FOUNDATION	12/22/1989	MET	2.918	0	66	530
CHESAPEAKE BAY FOUNDATION	12/22/1989	MET	31.773	0	66	530
IZAACK WALTON LEAGUE	12/22/1989	MET	20.225	0	66	297
IZAACK WALTON LEAGUE	12/22/1989	MET	224.46	274.06	65	888
MARTIN, AUGUST RAYMOND	10/22/1990	ME	52.72	53	9	107
MARYLAND BEAGLE CLUB/WOODS G. INC	11/5/1990	ME	124.93	125	14	12
MCELWAIN, GERALD & DORIS	11/13/1990	ME	165.06	165	8	130
TURNER, HANNAH JANE	11/20/1990	ME	188.49	103	23	
GREEN, MONTGOMERY	12/19/1990	MET	18.9	0	44	198
GREEN, MONTGOMERY	12/19/1990	MET	110	50.02	44	
FLATAU, FRANCES	1/25/1991	ME	33.23	33	60	190
ROGERS, HARRIET	1/25/1991	ME	26	26	55	750
SHAULL, CLARA	3/15/1991	MET	42.06	42.07	31	15
HOWARD, WILLIAM H.B.	4/16/1991	ME	135.31	155	60	31
FLATAU, FRANCES & ABRAHAM	4/29/1991	ME	22.53	21	60	314
WILSON, CATHERINE	5/3/1991	ME	78.13	76.7	17	48
HOWARD, WILLIAM H.B.	5/8/1991	ME	15.02	0	60	142
CADWALADER, MARY HELEN ET. AL	5/22/1991	MET	148	147.66	60	259
COMER, CURTIS DARRELL	5/23/1991	ME	56.67	0	8	102
COMER, CURTIS DARRELL	5/23/1991	ME	67.08	146.846	8	78
COMER, CURTIS DARRELL	5/23/1991	ME	27.83	0	8	17
LOWE, MARVIN & HELEN	8/5/1991	ME	78	161	9	4

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
LOWE, MARVIN & HELEN	8/5/1991	ME	40.63	0	9	131
LOWE, MARVIN & HELEN	8/5/1991	ME	43.2	0	9	4
JOHNSON, JAMES & WIFE	10/22/1991	ME	126.06	126	26	6
SMITH, ROBERT GARDINER & ANNA LEE	11/5/1991	ME	32.16	0	23	185
SMITH, ROBERT GARDINER & ANNA LEE	11/5/1991	ME	110.17	142	15	87
WILEY, CHARLES & CARLIE	2/14/1992	ME	122.29	122	14	5
DOUGHERTY, DAVE & DENNIS	6/17/1992	HE	149.65	150	9	20
DOUGHERTY, DAVE & DENNIS	6/17/1992	HE	56.82	57	9	49
THOMAS, MARY SUSAN & RUBY	7/21/1992	MET	29.9	40	19	464
BEEVER, JOHN & ROSEMARY	12/15/1992	MET	25	24.604	30	15
WILEY, CHARLES & CARLIE	10/29/1993	ME	2.56	0	22	56
WILEY, CHARLES & CARLIE	10/29/1993	ME	3.86	7	22	56
HANNA, ROLAND C.	12/23/1993	HE	10	0	31	1
HANNA, ROLAND C.	12/23/1993	HE	12.08	0	31	76
HANNA, ROLAND C.	12/23/1993	HE	120.58	142	31	260
HICKS, ELIZABETH	2/25/1994	MET	13	13.25	56	
DALLAM, HOPE	5/11/1994	HE	67.42	114	57	349
DALLAM, HOPE AND JOSEPHINE	5/11/1994	HE	49.95	0	57	352
WORTHINGTON, WILLIAM, DOUGLAS & LINDA	6/10/1994	HE	107.36	0	37	61

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
WORTHINGTON, WILLIAM, DOUGLAS & LINDA	6/10/1994	HE	107.37	213	37	52
DALLAM, JOSEPHINE	6/13/1994	HE	3.57	0	50	103
DALLAM, JOSEPHINE	6/13/1994	HE	80.64	106	50	281
DALLAM, JOSEPHINE	6/13/1994	HE	18.73	0	57	353
MARTIN , LILACE & THOMAS, SAMUEL & STEVEN	6/13/1994	HE	187.17	187.16	25	10
NIMMO, THOMAS GLADDEN & ISABEL	9/7/1994	ME	91.1	0	17	144
NIMMO, THOMAS GLADDEN & ISABEL	9/7/1994	ME	95.41	182.5	17	332
DUKE, MONROE	9/19/1994	ME	220.65	211	36	8
ROSE, DAVID & NANCY	10/4/1994	ME	153.43	153	14	2
WILSON, CHARLES SR.	10/26/1994	ME	112.6	113	10	
DOUGHERTY, JAMES & LORRAINE	11/7/1994	HE	88.39	88	4	1
MITCHELL, JOHN & EDITH	11/14/1994	HE	48.67	96	50	105
MITCHELL, JOHN WINFIELD & EDITH	11/14/1994	HE	6.64	0	50	236
MITCHELL, JOHN WINFIELD & EDITH	11/14/1994	HE	40.36	0	50	115
MARTIN , CHARLES JOSEPH & NANCY	12/7/1994	HE	5	5	25	210
EHLERS, BARBARA YOUNGHANS, CRAIG & SALLY	12/7/1994	HE	83.73	83.73	40	171
AMOSS, BENJAMIN H II eT AL	12/20/1994	HE	132.12	131	47	403
MILLER, SYBIL KANE	12/20/1994	HE	203.23	202	15	23
SMITHSON, ROYSTON & GLORIA	12/20/1994	HE	76.01	75	8	9
WILEY, CHARLES & CARLIE	12/20/1994	HE	139.25	135	14	1

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
GILL FARM, DAVID & SARAH, THOMAS & DAVID	12/29/1994	HE	98.19	98	15	107
CROWL, SMITH & HARRIETT, MILTON	12/29/1994	HE	152.85	153	8	129
KOZLOVSKY, LILLIAN	1/3/1995	HE	101.78	141	9	23
KOZLOVSKY, LILLIAN	1/3/1995	HE	12.11	0	9	120
KOZLOVSKY, LILLIAN	1/3/1995	HE	11.59	0	9	242
KOZLOVSKY, LILLIAN	1/3/1995	HE	6.38	0	9	238
GREIDER, RICHARD SR.	1/9/1995	ME	54.46	71	27	116
GREIDER, RICHARD SR.	1/9/1995	ME	20	0	27	116
HARFORD LAND TRUST	1/10/1995	MET	107.4	102.79	67	38
MCKNIGHT, TURNEY	7/26/1995	ME	71.21	91.63	23	
NASH, CARL & BRENDA	8/3/1995	HE	130.37	128	11	49
MCCONAUGHY, DANIEL B.	8/17/1995	ME	91.13	91.13	14	13
BILLINGSLEA, KEVIN & LEONARD	9/7/1995	ME	94	90	2	3
WOLLON, JAMES T. JR. & GREGORY	9/12/1995	ME	62.2	61	37	4
WOLLON, CAROLYN, ESTATE OF	9/20/1995	ME	41.8	41	37	98
DUNKER, HERMAN	9/21/1995	ME	147	73.53	9	36
STRICKLAND, RICHARD & CAROLE	10/19/1995	ME	91.33	93	2	2
STRICKLAND, RICHARD & CAROLE	10/19/1995	ME	4.86	0	1	18
MAGNESS S. TIMOTHY & VIRGINIA & MAGNESS, DANIEL & PATRICIA	10/30/1995	HE	129.99	176	15	63
MAGNESS S.TIMOTHY & VIRGINIA & MAGNESS, DANIEL & PATRICIA	10/30/1995	HE	47	0	15	109
REEVES, JAMES SR, JR. & NORMA & KILBY, ROBERT & JANE	10/30/1995	HE	59.91	0	16	18

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
REEVES, JAMES SR, JR. & NORMA & KILBY, ROBERT & JANE	10/30/1995	HE	2.594	0	16	181
REEVES, JAMES SR, JR. & NORMA & KILBY, ROBERT & JANE	10/30/1995	HE	89.98	239.2	16	172
REEVES, JAMES SR, JR. & NORMA & KILBY, ROBERT & JANE	10/30/1995	HE	85.3	0	16	159
ANDERSON, GARNET & GLORIA	11/15/1995	ME	88.38	88	15	20
WILSON, RICHARD, JOHN KNOX & MARGARET	12/6/1995	ME	104.35	103	25	138
WILSON, RICHARD, JOHN KNOX & MARGARET	12/6/1995	ME	1.42	0	17	257
WORTHINGTON, JOE, AUBREY & DORTHY	12/15/1995	HE	47.25	0	36	46
WORTHINGTON, JOE, AUBREY & DOROTHY	12/15/1995	HE	50	0	37	36
WORTHINGTON, JOE, AUBREY & DOROTHY	12/15/1995	HE	82.67	0	37	30
WORTHINGTON, JOE, AUBREY & DOROTHY	12/15/1995	HE	90.01	264.9	37	182
WILEY, JAMES & MARGARET & A. ROSS	12/21/1995	HE	81.15	149.43	8	10
WILEY, JAMES & MARGARET & A. ROSS	12/21/1995	HE	69.27	0	8	40
MCKNIGHT, TURNEY	12/27/1995	ME	86.99	87	23	188
JOURDAN BLANCHE ET AL JOURDEN-REEVES LP; WILDFELL LP	12/29/1995	HE	281.83	573	28	94
JOURDAN BLANCHE ET AL JOURDEN REEVES LP; WILDFELL LP	12/29/1995	HE	149.677	0	28	103

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
JOURDAN BLANCHE ET AL JOURDAN-REEVES LP; WINDFELL LP	12/29/1995	HE	94.54	0	20	93
JOURDAN BLANCHE ET AL JOURDEN-REEVES LP; WILDFELL LP	12/29/1995	HE	62.13	0	20	359
CROWL, PAUL & DAVID	2/16/1996	HE	6.73	0	25	160
CROWL, PAUL & DAVID	2/16/1996	HE	60.27	0	25	45
THOMPSON, DAVID & MARILYN	2/16/1996	HE	342.58	336	17	98
CROWL, PAUL & DAVID	2/16/1996	HE	215	387.6	25	117
CROWL, PAUL & DAVID	2/16/1996	HE	105.6	0	25	120
RUTLEDGE BROTHERS FARM W. WILEY & MARY; JAMES & CHARLOTTE & DAVID	4/16/1996	HE	0.516	0	23	85
RUTLEDGE BROTHERS FARM W. WILEY & MARY; JAMES & CHARLOTTE & DAVID	4/16/1996	HE	181.7	292.42	15	25
RUTLEDGE BROTHERS FARM W. WILEY & MARY; JAMES & CHARLOTTE & DAVID	4/16/1996	HE	55.12	0	24	260
RUTLEDGE BROTHERS FARM W. WILEY & MARY; JAMES & CHARLOTTE & DAVID	4/16/1996	HE	58.9	0	24	22
FOARD, SAMUEL	4/18/1996	HE	42.5	0	17	297
FOARD, SAMUEL	4/18/1996	HE	63.8	207	17	297
FOARD, SAMUEL	4/18/1996	HE	50.41	0	17	297
FOARD, SAMUEL	4/18/1996	HE	61.36	0	17	297
CADWALADER, MARY HELEN	4/19/1996	MET	59	58.92	60	228
TYSON, JEFFREY & JO	4/26/1996	ME	78.62	73	10	110
SADLER, ARVIN & JUDY	5/7/1996	HE	32.5	0	2	38
SADLER, ARVIN & JUDY	5/7/1996	HE	78.19	115	2	15
VOSS, BARBARA	5/16/1996	HE	31.97	46.97	38	2

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
VOSS, BARBARA	5/16/1996	HE	15	0	38	165
J&J ASSOC.	5/24/1996	HE	96.74	97	22	14
MELLON BANK, ELSA VOSS & G. DONALD GERLACH TRUSTEE	5/24/1996	HE	10	0	31	20
MELLON BANK, ELSA VOSS & G. DONALD GERLACH TRUSTEE	5/24/1996	HE	123.43	0	38	4
MELLON BANK / ELSA VOSS & G. DONALD GERLACH TRUSTEE	5/24/1996	HE	38.85	0	38	47
MELLON BANK, ELSA VOSS & G. DONALD GERLACH TRUSTEE	5/24/1996	HE	162	400.932	31	20
MELLON BANK / ELSA VOSS TRUSTEE	5/24/1996	HE	52.87	52.874	31	258
MELLON BANK, ELSA VOSS & G. DONALD GERLACH TRUSTEE	5/24/1996	HE	15	0	31	258
DUNKER, HERMAN	6/13/1996	HE	147	73.53	9	36
MCKNIGHT, TURNEY	6/20/1996	HE	71.21	91.63	23	
SCHUTZMAN, CALVIN & JANET	7/5/1996	ME	67.48	67	26	188
HARKINS, FRANKLIN	7/31/1996	HE	48.69	0	26	35
HARKINS, FRANKLIN	7/31/1996	HE	133.01	222	25	115
HARKINS, FRANKLIN	7/31/1996	HE	41.1	0	26	7
GALBREATH, WILLIAM & JEAN	7/31/1996	HE	98	116	17	38
GALBREATH, WILLIAM & JEAN	7/31/1996	HE	20.09	0	17	91
HALL, MARCHANT	8/3/1996	ME	91.16	171	28	104
HALL, MARCHANT	8/3/1996	ME	81.54	0	28	104
MCKNIGHT, TURNEY	8/9/1996	ME	174.84	173.96	23	1
MCDANIEL, WILLIAM & DORTHY	9/27/1996	HE	118	0	35	109
EHLERS, BARBARA WARFIELD	9/27/1996	HE	96.99	47.59	40	151

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
MARTIN , LILACE & THOMAS, SAMUEL & STEVEN	9/27/1996	HE	66.8	0	10	237
MELLON BANK, ELSA VOSS & G. DONALD GERLACH TRUSTEE	9/27/1996	HE	89.13	0	31	20
GALBREATH, WILLIAM & JEAN	9/27/1996	HLT	98	0	17	38
HOPKINS, JOHNS JR. TRUST	9/27/1996	HE	166.67	167	28	142
MARTIN, LILACE & THOMAS, SAMUEL & STEVEN	9/27/1996	HE	122.62	431	10	44
MARTIN , LILACE & THOMAS, SAMUEL & STEVEN	9/27/1996	HE	94	0	10	47
MARTIN, THOMAS, SAMUEL & STEVEN, & LILACE MARTIN	9/27/1996	HE	51.76	0	10	48
MCDANIEL, WILLIAM & DORTHY	9/27/1996	HE	739.71	838.36	35	45
MILLER, JIMMIE & GERALDINE	9/27/1996	HE	65	0	28	26
MILLER, JIMMIE & GERALDINE	9/27/1996	HE	107.15	243	28	22
MILLER, JIMMIE & GERALDINE	9/27/1996	HE	22.84	0	28	25
MARTIN, THOMAS & SAMUEL, STEVEN & LILACE MARTIN	9/27/1996	HE	27.06	0	10	37
MARTIN, THOMAS & SAMUEL, STEVEN & LILACE MARTIN	9/27/1996	HE	18.22	0	10	77
MARTIN, THOMAS & SAMUEL, STEVEN & LILACE MARTIN	9/27/1996	HE	56.5	0	10	77
MILLER, JIMMIE & GERALDINE	9/27/1996	HE	17.38	0	28	212

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
MILLER, JIMMIE & GERALDINE	9/27/1996	HE	10.7	0	28	227
MILLER, JIMMIE & GERALDINE	9/27/1996	HE	10.25	0	28	252
MILLER, JIMMIE & GERALDINE	9/27/1996	HE	3.224	0	28	251
MILLER, JIMMIE & GERALDINE	9/27/1996	HE	6.14	0	28	227
MILLER, JIMMIE & GERALDINE	9/27/1996	HE	3.79	0	28	227
MILLER, JIMMIE & GERALDINE	9/27/1996	HE	5.23	0	28	227
MILLER, JIMMIE & GERALDINE	9/27/1996	HE	6.9	0	28	227
EHLERS, BARBARA WARFIELD	10/3/1996	ME	96.99	47.59	40	151
NORMAN, MATTHEW & MARY, RICHARD ET AL	10/4/1996	ME	154	155	26	53
HOLLOWAY, HENRY ET AL	10/30/1996	HE	3.24	0	28	219
HOLLOWAY, HENRY ET AL	10/30/1996	HE	281.61	422	28	102
HOLLOWAY, HENRY ET AL	10/30/1996	HE	128.62	0	28	102
HOLLOWAY, HENRY ET AL	10/30/1996	HE	14.3	0	28	121
BARBERRY, IMOGENE	2/12/1997	HE	213.35	205	27	59
HEGEMAN, JOHNSTON	2/28/1997	ME	49.4	47	35	14
GARONO, EDWARD	3/4/1997	ME	181.37	179	28	231
ISLAND BRANCH FARM LLC	3/24/1997	ME	50.66	11.4937	2	
HICKS, WILLIAM JR, AND PATTIE	4/7/1997	ME	70.98	67.98	36	25
RIGDON, JOHN & ANDREA	4/7/1997	ME	107.67	107	15	35

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
HARFORD HOLDING COMPANY	7/1/1997	HE	370	348	38	5
HEGEMAN, SUSAN WEAKLEY	8/18/1997	ME	75.49	73	35	71
SAYRE, LAWRASON R. & JANE	8/20/1997	HE	110	0	35	101
SAYRE, LAWRASON R. & JANE	8/20/1997	HE	144.52	326	35	27
SAYRE, LAWRASON R. & JANE	8/20/1997	HE	21.38	0	35	1
SAYRE, LAWRASON R. & JANE	8/20/1997	HE	51.43	0	36	244
SAYRE, LAWRASON R. & JANE	8/20/1997	HE	3.72	0	36	317
SAYRE, LAWRASON R. & JANE	8/20/1997	HE	15	0	35	134
DUNCAN FARM (CARICO, PAULINE)	9/11/1997	HE	26.5	0	8	170
DUNCAN, ROBERT & EVELYN	9/11/1997	HE	93	133.84	8	57
MORRIS, DONALD & CAROLYN	9/11/1997	HE	15.3	0	8	146
RUTLEDGE, FRANKLIN NELSON & OLIVE	9/11/1997	HE	82.79	81.79	15	108
GARDINER, HAYES	9/25/1997	HE	187.99	177	41	336
STAUTBERG, GERALD	9/25/1997	HE	158	0	38	20
STAUTBERG, GERALD	9/25/1997	HE	233.815	658	46	2
STAUTBERG, GERALD	9/25/1997	HE	169.17	0	38	118
STAUTBERG, GERALD	9/25/1997	HE	107	0	38	19
STAUTBERG, GERALD	9/25/1997	MRL	24.38	24.38	38	20
JONES, SAMUEL, ROBERT & SARAH	9/25/1997	HE	167	164	10	49
SMITH, DOUGLAS & ROSE	10/3/1997	HE	112.5	110	16	32
KNOX, RUTH & ISABELLE	10/3/1997	HE	260	281	11	28

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
KNOX, RUTH & ISABELLE	10/3/1997	HE	16.6	0	11	30
WINEMILLER, AUSTIN & M. HELEN	10/10/1997	ME	25	23.7	8	22
PITTS, CLINTON & CLAIRE	4/2/1998	HE	45.11	0	31	170
PITTS, CLINTON & CLAIRE	4/2/1998	HE	56	101	31	199
WILSON, CHARLES SR.	4/2/1998	HE	42.31	0	10	3
WILSON, CHARLES SR.	4/2/1998	HE	107	134.36	10	
PENNINGTON, CHARLES & DORIS	5/5/1998	HE	25.3	0	42	302
PENNINGTON, CHARLES & DORIS	5/5/1998	HE	148	234	42	4
PENNINGTON, CHARLES & DORIS	5/5/1998	HE	62.46	0	42	295
GALBREATH, THELMA & TRUSTEES OF ROBERT GALBREATH	6/18/1998	HE	187.86	193	17	17
GALBREATH, THELMA & TRUSTEES OF ROBERT GALBREATH	6/18/1998	HE	5.2	0	17	303
ROSE, DAVID & NANCY	6/25/1998	HE	153.86	151.857	22	5
SMITH, HAROLD & FRANCES	6/25/1998	HE	70.24	0	23	96
SMITH, HAROLD & FRANCES	6/25/1998	HE	104	174	22	25
HERMAN, HAROLD & EDITH	6/25/1998	HE	272.57	273	29	2
REEVES, ROY & ELIZABETH	6/25/1998	HE	20.97	21	28	232
ARCHER, JAMES & JANET	6/26/1998	HE	98.15	0	2	9
ARCHER, JAMES & JANET	6/26/1998	HE	155.7	326	3	22
ARCHER, JAMES & JANET	6/26/1998	HE	85	0	3	46

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
MCELWAIN, EDITH & BRUCE & MARYLIN	6/26/1998	HE	129.85	130	2	22
HALSEY, PAUL	6/26/1998	HE	174.62	164	10	60
MCGUIRK, IAN	6/29/1998	HE	82.24	82.24	35	8
MCGUIRK, JONATHAN	6/29/1998	HE	93.93	110.98	35	10
MCGUIRK, JONATHAN	6/29/1998	HE	18	0	41	247
MCGUIRK, MICHAEL ET AL	6/29/1998	HE	99	0	35	58
MCGUIRK, MICHAEL ET AL	6/29/1998	HE	252.06	353	34	128
MCGUIRK, MICHAEL	6/29/1998	HE	23	0	34	124
MCGUIRK, WILLIAM & MARY	6/29/1998	HE	65.96	65.96	35	9
MCGUIRK, MARY EDEY & SZOKA, GREGORY	6/29/1998	HE	21.87	21.87	35	108
MCGUIRK, GERARD DEREK & SUSAN	6/29/1998	HE	6.67	6.67	35	108
MURROW, WILLIAM	6/29/1998	ME	0.63	0	23	99
MURROW, WILLIAM	6/29/1998	ME	74.46	74	23	77
MARTIN BROTHERS; THOMAS, SAMUEL & STEVEN	6/29/1998	HE	47.24	47	10	51
MURROW, WILLIAM	9/11/1998	HLT	74.46	73.9	23	77
CAMPBELL, ALMA ESTATE OF	10/29/1998	ME	107.91	108	17	110
WEITZEL, RICHARD & CALVIN	11/24/1998	ME	79.73	78	2	11
HOWELL, RAYMOND	12/15/1998	HE	117	115	55	208
SWIFT BROTHERS, LOUIS SWIFT & SONS L.P.	12/15/1998	HE	58.9	59	30	5
MORRIS, KENNETH ESTATE OF; LINKA LOWE, MORRIS & ELANOR FRANCES, MORRIS McNEAR	12/22/1998	HE	31.04	0	10	28

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
MORRIS, KENNETH ESTATE OF; LINDA LOWE MORRIS & ELANOR FRANCES MORRIS McNEAR	12/22/1998	HE	50	81	10	28
KAUFFMAN, EDGAR & NELSON, PAGE	1/19/1999	ME	150	145	47	197
HOY, JOHN	1/21/1999	HE	93.2	93	8	8
KEGLEY, GEORGE III & MARLENE	2/24/1999	HE	67.05	67	15	22
TROUT, IMO JEAN ESTATE OF	2/24/1999	HE	71.3	160.44	16	21
TROUT, IMO JEAN ESTATE OF	2/24/1999	HE	43.29	0	16	193
TROUT, IMO JEAN ESTATE OF	2/24/1999	HE	48.85	0	16	192
CLARK, JOHN	2/24/1999	HE	186.5	184.5	20	193
RUTLEDGE, JAMES & JOHN CLARK	2/24/1999	HE	157.18	160.2	20	62
STRUBEN, FRANCIS, ET AL	3/25/1999	HE	175	381	31	2
STRUBEN, FRANCIS & JEAN ET AL	3/25/1999	HE	107.4	0	31	78
STRUBEN, FRANCIS ET AL	3/25/1999	HE	47.4	0	31	180
STRUBEN, FRANCIS & JEAN ET AL	3/25/1999	HE	106.8	0	31	180
BOYER, WILLIAM	3/25/1999	HE	133.7	134	18	44
HOPKINS, ARTHUR, DANIEL & ALICE HOPKINS PUCKETT	5/5/1999	HE	40.31	0	43	65
HOPKINS, ARTHUR G. JR, DANIEL & ALICE H. PUCKETT	5/5/1999	HE	144	376.6	43	72
HOPKINS, ARTHUR & DAVID	5/5/1999	HE	44.47	0	36	57

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
HOPKINS, ARTHUR & DAVID	5/5/1999	HE	62.78	0	36	166
HOPKINS, ARTHUR G. JR & DAVID	5/5/1999	HE	69.36	0	36	54
HOPKINS, ARTHUR G. JR, DANIEL & ALICE H. PUCKETT	5/5/1999	HE	21.74	0	43	69
HOPKINS, DAVID & MICHELE	5/5/1999	HE	11.08	0	43	70
HOPKINS, DANIEL G. & KATHERINE	5/5/1999	HE	6	0	36	30
HOPKINS, DANIEL & KATHERINE	5/5/1999	HE	11.08	0	36	301
SANBORN, DAVID & MARY	5/13/1999	ME	111.13	116	23	124
SANBORN, DAVID & MARY	5/13/1999	ME	7.38	0	23	244
RALL, VIVIAN	7/16/1999	ME	48	48	38	6
KIDD, NANCY	7/27/1999	ME	71.34	74	47	357
RHODES, MARGARET	8/24/1999	ME	100	98	28	
KIDD, JOSEPH JR. EDWARD	9/8/1999	ME	24.2	0	47	315
KIDD, EDWARD JOSEPH JR.	9/8/1999	ME	34.3	57	47	262
RIEPE, CHARLES K.	12/14/1999	HE	76.07	76	56	41
CAMPBELL, ARTHUR	12/14/1999	HE	33.04	33	15	65
SMITH, ROSS & JEANETTE	2/10/2000	HE	140.97	139	23	138
TURNER, HANNAH JANE	2/10/2000	HE	188.49	86.98	23	
LYONS, ORVILLE	3/10/2000	HE	79.69	80	42	74
HOSTLER, WENDELL & ELIZABETH	3/10/2000	HE	78.4	78	3	44
KERR, KATHRYN	3/10/2000	HE	101.25	101	11	32
JONES, SAMUEL T. & SARA	3/17/2000	HE	84.4	149	26	1

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
JONES, SAMUEL T. & SARAH	3/17/2000	HE	71.9	0	25	23
MOXLEY, MACK COY & KATHRYN	3/17/2000	HE	110.11	106	35	36
HARRISON, WILLIAM	3/17/2000	HE	32.36	57	3	3
HARRISON, MARY	3/17/2000	HE	25.02	0	3	60
CASSILLY, SARAH	8/15/2000	ME	49.74	50	50	20
CASSILLY, SARAH	8/15/2000	ME	0.46	0	50	193
HAGY, ELOISE	8/29/2000	ME	202	201	27	114
GRASSI, EDWARD & JUDITH	9/18/2000	ME	177.83	175	15	4
CONNELL, MICHAEL & BARB	10/18/2000	ME	83	79	35	22
WHITE, S. BONSAI	12/6/2000	HE	12.48	0	38	10
WHITE, S. BONSAI	12/6/2000	HE	114.65	123	38	128
ARCHER, JOHN & MARY	12/12/2000	ME	179	182	28	115
ARCHER, WILLIAM S.	12/12/2000	ME	43	41	28	241
PITTS, AVLA	12/15/2000	HE	56	54	38	11
GRAUL, THOMAS & ANNE	12/29/2000	ME	12.36	12	46	1
CAVANAUGH, WAYNE & MARY	1/10/2001	HE	40.05	40	3	47
KRAKES, PAUL & GLORIA	1/10/2001	HE	31.35	31.35	15	162
SNAKE LANE LLC	1/24/2001	ME	23.12	22.12	42	73
WALTER, RICHARD	3/1/2001	ME	113	111	36	55
KOPP, STEPHEN	3/23/2001	HE	95	94.97	4	556
WALKER, RALPH & RUTH	3/23/2001	HE	78.69	76.69	43	74
GREELEY, DOROTHY ET. AL	3/23/2001	HE	64.7	62	4	11
WALTER, JOHN C.	3/23/2001	HE	127.39	127.4	26	52
CONNOR, NANCY	5/10/2001	HE	100.11	99.1	20	259
BOWMAN, LAWRENCE	5/30/2001	DCVRLE	59.37	59	28	105

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
WERNIG, WILLIAM & PATRICIA	6/12/2001	ME	58	57	17	18
BAILEY, BRYAN	6/19/2001	DCVRLE	7.179	0	28	127
BAILEY, BRYAN	6/19/2001	DCVRLE	15.66	0	28	127
BAILEY, BRYAN	6/19/2001	DCVRLE	13.57	0	28	127
BAILEY, BRYAN	6/19/2001	DCVRLE	11.69	0	28	127
BAILEY, BRYAN	6/19/2001	DCVRLE	56.06	104.17	28	127
WEAVER, VERNON	7/16/2001	DCVRLE	78.76	78.75	35	42
SMITH, CHRISTENA & WEAVER CAROLYN	7/16/2001	DCVRLE	79.33	79.34	35	63
MCNUTT, TONY & TERESA	7/16/2001	ME	111.35	111	26	29
JAY, PETER & IRNA	7/17/2001	DCVRLE	40.61	77.49	35	30
JAY, PETER & IRNA	7/17/2001	DCVRLE	15.77	0	36	99
JAY, PETER & IRNA	7/17/2001	DCVRLE	21.1	0	35	132
MALOY, DOROTHY	8/22/2001	ME	131.73	127	43	28
BARNES, RICHARD & ELIZABETH	9/26/2001	DCVRLE	136.2	147.6	20	97
BARNES, RICHARD & ELIZABETH	9/26/2001	DCVRLE	8.96	0	28	239
BARNES, RICHARD & ELIZABETH	9/26/2001	DCVRLE	3.54	0	28	206
FISHER, JACK O'DONOVAN	9/28/2001	MRL	73.75	93.777	31	29
WILLIAMS-FISHER, SHEILA	9/28/2001	MRL	20.18	0	31	207
NORLING, RICHARD	9/28/2001	DCVRLE	56.59	57	28	247
WEBSTER, ANN P.; SARAH ENSOR, CHARLOTTE RUTLEDGE & WM WEBSTER TRUSTEES	10/1/2001	ME	112	107	16	26
ROSSEAU, CHARLES III & SUSAN	10/18/2001	HE	94.21	93.21	16	5
MICHAEL, IOLA	11/1/2001	MET	13.43	0	59	150

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
MICHAEL, IOLA	11/1/2001	MET	60.24	73.96	59	156
MICHAEL, IOLA	11/1/2001	MET	1	0	59	156
VERZI, DOUGLAS	12/7/2001	HE	39	39	23	204
DEPUEY, ZORA	12/7/2001	HE	102.33	100	20	171
HARLAN, WILLIAM	12/19/2001	ME	21.24	0	47	233
HARLAN, WILLIAM	12/19/2001	ME	105.12	103	47	233
MAGNESS, ROBERT JR. & SANDRA, MICHELE & JONATHAN	12/31/2001	ME	212	210	34	101
TIBBS, ROBERT & JUDITH	2/1/2002	ME	85.48	84.48	36	243
RIKER, AUDREY	3/13/2002	HE	61.47	58	23	75
BOSLEY, ARTHUR GRANT	3/13/2002	HE	117.39	116.39	26	89
EHRHARDT, EVA & JAMES	3/15/2002	ME	189.18	188	47	95
WILEY, HAZEL	4/3/2002	HE	54.42	52.43	2	34
ROWAN, AUSTIN & MICHAEL & MARCIA	4/3/2002	HE	101.75	100	12	18
KING, SELMA	4/12/2002	HE	131.93	192.52	15	49
KING, SELMA	4/12/2002	HE	60.59	0	15	49
GRAHAM, WILLIAM & MONICA	8/2/2002	DCVRLE	52.25	52.25	35	49
RUFF, JAMES, HOPE, JONATHAN & JILL	8/2/2002	DCVRLE	131.01	131	34	468
SCAMPTON, ROBERT & MARY	8/6/2002	DCVRLE	52	51	34	135
SNODGRASS, EDMUND & LUCIE	8/22/2002	ME	81.23	80.23	18	158
JOHNSON, NICHOLAS L. SR.	9/24/2002	DCVRLE	23.07	23	36	315
BLAKELEY, HOWARD & LOUISE	9/26/2002	DCVRLE	135	135.5	36	206
BLAKELEY, HOWARD & LOUISE	9/26/2002	DCVRLE	1.7	0	36	206

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
NASH, CARL & BRENDA	10/24/2002	HE	76.53	76.53	11	48
FLETCHER, GERALD & EDITH	11/21/2002	HE	76.1	75	16	45
SIMMONS, BRIAN & KAREN	12/12/2002	HE	68.93	67.9	26	210
HANLON PROPERTY LLC	12/17/2002	MET	126.9	237.4	30	10
HANLON PROPERTY LLC	12/17/2002	MET	60.2	0	31	19
SCARFF, GRAYSON & CLARA	12/17/2002	ME	196.15	287	15	62
SCARFF, GRAYSON & CLARA	12/17/2002	ME	91.85	0	15	79
HANLON PROPERTY LLC	12/17/2002	MET	21.76	0	30	0017 LT 1
HANLON PROPERTY LLC	12/17/2002	MET	21	0	30	0017 LT 2
RAHLL, JR., ED & MADELYNE	12/19/2002	HE	41.82	75.56	39	240
RAHLL, JR., ED & MADELYNE	12/19/2002	HE	41.82	0	39	240
GRAEFE, STEVEN & EDITH	12/26/2002	HE	118.07	108.56	16	89
BEARSCH, KEVIN & KIM	1/17/2003	HE	56.6	56.6	61	75
WERNEKE, GEORGE SR. & FRANCES	1/17/2003	HE	67.6	67.64	47	263
WILEY, LINDA, DONOGHUE, JOAN & DAVIS, C. DAVID	1/17/2003	HE	116	116.201	10	8
GRAY, GARY & CAROLYN	2/14/2003	HE	88.25	87.2	26	26
KING, DEAN	2/14/2003	HE	50.14	48.56	9	39
ALMONY, EDGAR & PATRICIA	2/24/2003	HE	83.4	82.4	15	83
POOLE, ROBERT JR.	2/26/2003	ME	132.87	130.87	16	116
LEHNERD, ALVIN & JEAN	4/4/2003	HE	129.93	126.39	28	13

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
MERRYMAN, GEORGE & OLIVIA	5/15/2003	HE	42.68	40.75	6	12
LITTLE FARM LLC	5/16/2003	HE	186	183.61	20	52
RAHLL, JR., EDWARD & LINDA, WILLIAM, ROBERT	5/16/2003	HE	10.53	8.68	39	349
RAHLL, JR., EDWARD & LINDA, WILLIAM, ROBERT	5/16/2003	HE	60.02	57.067	39	355
SCARFF, EVAN T.	5/22/2003	HE	59.98	57.98	34	24
DUVALL, ELSON B.	5/22/2003	HE	56.2	55.2	23	223
SMITHSON, ROBERT B., ANN MARIE & ROBERT A.	5/22/2003	HE	213.26	229.26	8	114
SMITHSON, ROBERT B., ANN MARIE & ROBERT A.	5/22/2003	HE	19.55	0	9	143
MCGUIGAN, ALBERT L.	5/22/2003	HE	90.43	82.01	4	25
BOSLEY, ELMER E. & JONES, MARY RUTH	6/17/2003	HE	114	120	26	28
HARFORD COUNTY 4H CLUB INC.	6/17/2003	HE	184.12	151.03	25	127
HARFORD COUNTY 4H CLUB INC.	6/17/2003	HE	3.929	0		
HARFORD COUNTY 4H CLUB INC.	6/17/2003	HE	3.77	0		
ANDERSON, HAZEL E. & SMITH, CAROL	6/20/2003	DCVRLE	28.33	28.33	36	168
HOLCOMB, JOHN & SANDRA	6/20/2003	DCVRLE	26.17	26.2	35	24
BRUMFIELD, RICHARD & JOSHUA	9/5/2003	DCVRLE	35.82	45	28	15
BRUMFIELD, RICHARD & CARLA	9/5/2003	DCVRLE	16.11	7.3	28	246
GATEWOOD, OLGA	9/5/2003	DCVRLE	15	0	28	138
GATEWOOD, OLGA	9/5/2003	DCVRLE	37.59	52.67	28	109

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
BAHR, HENRY	9/9/2003	DCVRLE	5.86	0	35	48
BAHR, HENRY	9/9/2003	DCVRLE	12.9	18	35	48
LAMB, JOHN & KATHERINE	11/15/2003	HE	37	33.8	20	94
GOMPF, ART	11/28/2003	ME	253	161.34	16	
ENFIELD, RICHARD & ELLA	12/17/2003	HE	130.66	128.66	17	153
HARKINS, CLAUDIA, PAUL & EDNA	12/17/2003	HE	40	0	18	56
HARKINS, CLAUDIA, PAUL & EDNA	12/17/2003	HE	46.65	85.65	26	129
HARKINS, PAUL & STEPHANIE	12/17/2003	HE	8.72	7.89	26	4
ROCKEY, GEORGE & MARGARET	12/17/2003	HE	45	44.03	19	23
PHILLIPS, JAMES & MILDRED DOUTHIRT, JANE & YINGLING, ANN	1/6/2004	ME	107.66	107.98	16	55
SCHWARZ, JANE & ANNE YINGLING	1/7/2004	ME	12.93	12.93	16	119
WEBSTER, THOMAS & RICKY (FREDRICA)	2/26/2004	ME	36.23	35.23	28	116
PIGG, HENRY & HELEN	3/2/2004	HE	70	69.19	1	5
SNODGRASS, EDMUND & LUCIE	3/2/2004	HE	46	45.14	18	220
SEBRING, SCOTT & RUTH	3/5/2004	ME	59.5	57.3	18	64
WEBB, JOHN & HELEN, STEVEN, & TODD	3/20/2004	ME	85.93	83.93	16	59
CHANNELL GRACE ESTATE OF	4/22/2004	HE	86.99	83.38	8	112
NEVIN, KIRKWOOD III & SUSAN	4/22/2004	HE	85.92	83.9	7	
KESTERSON, KENNETH K.	4/22/2004	HE	55.76	54.76	12	100
DIXON, ALMA & CLIFFORD	5/3/2004	HE	156.32	155.32	15	57

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
AMOS, GLADYS ESTATE OF	5/5/2004	HE	35	30.13	8	115
MAGNESS, CHARLES & BARBARA	5/5/2004	HE	124.62	123.63	8	126
AUSTIN, MILDRED	5/13/2004	DCVRLE	76.49	70.85	34	2
BARBER, GEORGE	5/13/2004	DCVRLE	161	161	27	115
GALBREATH, JAMES	5/13/2004	HE	121.38	124.47	18	30
HOPKINS, CLIFFORD & CHRIS	5/14/2004	DCVRLE	14.97	14.97	34	470
CONSTANT OVERLOOK LLC (AKA KEAN & PEDDICORD)	5/18/2004	HE	39.98	39	638	173
VAUGHAN, CHARLES & ELIZABETH TRUSTEES OF CHARLES H. VAUGHN REVOCABLE TRUST	6/1/2004	HE	13.6	12.6	15	118
SMALLEY, JEDSON & MARGARET	6/9/2004	HE	36.42	35.36	15	90
PUSEY FAMILY, LLC	6/17/2004	HE	249.9	235.73	59	157
JOHNSON, ARTHUR & CATHLEEN	6/23/2004	HE	15.32	0	20	238
JOHNSON, ARTHUR & CATHLEEN	6/23/2004	HE	33.69	45.4	20	39
GETSCHER, CHARLES JR.	9/17/2004	ME	66.47	64.14	18	8
HAUCK, WILLIAM & NANCY	10/3/2004	ME	27.77	26.77	14	20
HARFORD LAND TRUST	11/12/2004	MET	74	74.29	9	154
WALLACE, JULIA M.; JOHN DORN & JAMES RANDALL	11/15/2004	HE	88.71	87.71	19	88
TOBIAS, RAY W. JR	12/21/2004	HE	17.51	29.094	9	84
TOBIAS, RAY W. JR	12/21/2004	HE	14.57	0	9	84
BOY SCOUTS OF AMERICA - BALTIMORE AREA COUNCIL	1/20/2005	HE	425	389.04	12	

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
BARROW, MARJORY ET. AL.	2/3/2005	HE	57.97	56.97	35	2
OBER, FRANK, JR	2/3/2005	HE	74.84	69.22	31	13
BALL, JOHN AND NAOMI	3/4/2005	HE	87.5	86.768	43	2
ST. CLAIR, CHARLES W.	4/29/2005	HE	70	105.724	16	74
ST. CLAIR, CHARLES W.; THOMAS, JAMES A. AND MILDRED S.	4/29/2005	HE	56.44	112.53	16	72
ST. CLAIR, CHARLES W.; THOMAS, JAMES A. AND MILDRED S.	4/29/2005	HE	48.66	0	16	196
ST. CLAIR, CHARLES W.	4/29/2005	HE	31.77	0	16	201
ST. CLAIR, CHARLES W.; THOMAS, JAMES A. AND MILDRED S.	4/29/2005	HE	15.19	0	16	202
ST. CLAIR, CHARLES W.	4/29/2005	HE	1.18	0	16	74
BALDWIN, TODD AARON & DIANE YVONNE	5/6/2005	HE	69.864	68.847	61	351
GRAFTON, JR., FRANKLIN P. AND RETTA L., FRANKLIN & MARY	5/6/2005	HE	132.655	132.266	26	5
CLEMENT, LYDIA	8/1/2005	MET	14.97	15.125	31	37
NORTON, RALPH & SABRINA	12/22/2005	HE	20	0	9	222
WRIGHT, ANNETTA G. REVOCABLE TRUST; DANIEL FRANKLIN VAUGHN, TRUSTEE	12/22/2005	HE	129.74	130.69	15	19
HOLLOWAY, HENRY S. & BRENDA S.	12/22/2005	HE	82.7	95.13	28	192
NORTON, RALPH & SABRINA	12/22/2005	HE	103.3	110	9	
GARONO, JANE ALICE	1/20/2006	DCVRLE	120.72	120.55	28	112

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
KELLY, MARJORIE & BARNABY, ELISE	1/26/2006	HE	29.51	28.5	55	686
COX, HERBERT B.	3/2/2006	HE	53.377	52.377	25	8
ONION, KENNETH	3/8/2006	HE	42.8	0	9	17
ONION, KENNETH	3/8/2006	HE	101.48	143.3	9	76
ELLIS, ROBERT LEE	5/11/2006	HE	29.07	29.496	50	56
MILLER, VIRGINIA M. DUVAL	5/11/2006	HE	46.096	45.096	23	169
SILVER, JOHN A. TRUST WM. SILVER & WISTAR SILVER, TRUSTEES	5/11/2006	HE	11.174	11.174	20	219
MEADOW FARM ESTATES INC.	5/15/2006	HE	43.117	42.117	20	82
WORTHINGTON, JOHN D.	11/21/2006	HE	70.96	69.965	43	5
WORTHINGTON, RANDALL	11/21/2006	HE	81.15	80.159	43	408
JONES, SAMUEL T. ESTATE OF	12/20/2006	HE	95.11	95.676	33	43
RUSSELL	12/20/2006	HE	37.14	36.142	31	198
DUKES, LAWRENCE E. AND KATHY L.	12/20/2006	HE	18	17.438	31	257
MULLHAUSEN	12/20/2006	HE	117	111.719	11	38
MORRISON, DONNA AND REBECCA BIELECKI	1/18/2007	HE	66.13	65.6	25	40
PRIESTFORD LLC	1/19/2007	HE	54.84	91.34	35	0128 LOT 9
PRIESTFORD LLC	1/19/2007	HE	19.55	0	35	0128 LOT 2
PRIESTFORD LLC	1/19/2007	HE	44.48	0	35	0128 LOT 11
PRIESTFORD LLC	1/19/2007	HE	44.69	0	35	0128 LOT10
TROYER, WILLIAM & PATRICIA	3/6/2007	ME	19.5	0	9	222

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
TROYER, WILLIAM & PATRICIA	3/6/2007	ME	20	57.48	9	142
TROYER, WILLIAM & PATRICIA	3/6/2007	ME	19.98	0	9	249
JOINES, ROY	3/8/2007	HE	113.68	166.32	15	38
JOINES, ROY	3/8/2007	HE	38.897	0	15	163
MARINDIN, HENRI & DEB	3/8/2007	HE	17.5	16.515	23	205
JOINES, ROY	3/8/2007	HE	15.273	0	15	194
SMITH, JAMES & ALICE	4/4/2007	ME	148.8	144.69	57	253
TESTERMAN, RONALD & SHARON	4/13/2007	HE	51.3	50.009	36	131
MERRYMAN, GEORGE	4/13/2007	HE	37.07	35.935	6	38
CUMMINGS, ANDREW T.	6/27/2007	DCVRLE	91.504	91.504	26	62
ARCHER, WINFIELD & ALICE	8/31/2007	ME	54.63	54.63	56	11
SHUPPERT, GEORGE & PHYLLIS	11/7/2007	ME	52.28	66	15	27
SHUPPERT, GEORGE & PHYLLIS	11/7/2007	ME	13.49	0	15	26
UMBARGER, GENE	12/14/2007	HE	25.89	25.89	35	28
PURDUE TRUST, MARY ALICE	12/14/2007	HE	51.46	51.46	23	15
WOOLSEY FARM LLC	12/14/2007	HE	139.09	139.09	35	
ENSOR, THOMAS & CHARLOTTE	12/27/2007	HE	110.15	110.15	17	9
GROSS, RUSSELL & SHEREE	12/27/2007	HE	58.38	58.38	8	3
ILEY, WILBUR & LOIS ET. AL.	12/27/2007	HE	60.03	60.03	17	47
VIELE, JANE	1/24/2008	DCVRLE	61.56	68.815	37	48
VIELE, JANE	1/24/2008	DCVRLE	7.25	0	37	35
HESTON, JEFFREY	1/25/2008	HE	32.95	32.95	3	80
GALBREATH, JOSEPH & JUDY	1/25/2008	HE	68.78	68.78	18	155

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
GALBREATH, TOM & BETSY	1/25/2008	HE	63.24	63.62	18	155
JONES, WILSON & NANCY	2/14/2008	HE	114.64	114.64	11	106
NELSON, WILLIAM & MIRIAM	3/12/2008	ME	72.24	69.13	8	47
BARROW, FAY ENFIELD	4/22/2008	HE	47.5	0	42	322
BARROW, MARJORY ENFIELD	4/22/2008	HE	172.94	225.09	42	46
BOWERS, LILLIAN ESTATE OF	4/24/2008	HE	59.08	59.08	17	133
BOWERS, ROWLAND	4/24/2008	HE	14.738	14.738	17	254
BOWERS, LILLIAN ESTATE OF	4/24/2008	HE	20.01	20.01	17	258
HUFF, DELMER & JANE	5/8/2008	HE	133.325	133.325	18	142
RICHARDSON, ROBERT & HELEN	5/8/2008	HE	17.37	0	18	36
RICHARDSON, ROBERT & HELEN	5/8/2008	HE	77.51	81.378	18	31
ADAMS, STEPHEN & MARLENE	5/22/2008	HE	76.58	204.87	50	10
ADAMS, STEPHEN & MARLENE	5/22/2008	HE	50	0	50	165
ADAMS, STEPHEN & MARLENE	5/22/2008	HE	76.29	0	50	165
MACY, DOROTHY	5/22/2008	HE	18.65	0	18	228
MACY, DOROTHY	5/22/2008	HE	54.78	73.726	18	272
WALTER FARM LLC	5/28/2008	HE	87.19	0	26	118
WALTER FARM LLC	5/28/2008	HE	26.23	0	26	16
WAKEFIELD, PETER & TERESA	5/28/2008	HE	40.36	40.36	26	173
WALTER FARM LLC	5/28/2008	HE	60.38	0	26	19
WALTER FARM LLC	5/28/2008	HE	108.63	267.8	26	127
LOHR / 3301SNAKE LANE LLC	6/12/2008	HE	85.86	89.77	50	213

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
LOHR / 3301 SNAKE LANE LLC	6/12/2008	HE	4.97	0	50	277
EDIE, ROBERT & JOYCE	6/16/2008	HE	60.72	60.22	2	35
BALL, MARLENE V.	7/17/2008	HE	65.43	63.846	43	34
REMSBERG, EDWIN & VIRGINIA	7/17/2008	HE	19.941	19.94	47	231
SHAW, GLENN W & MARY SUE	7/17/2008	ME	196	218.99	1	1
SHAW, GLENN W & MARY SUE	7/17/2008	ME	24.98	0	1	22
HANLIN, WILLIAM & KIM	7/17/2008	HE	35.76	40.46	17	157
TRAVERS, KENNETH CHARLES	8/28/2008	HE	63.62	61.93	43	21
GLOCK, CHARLES & GRACE	8/28/2008	HE	102.08	124.93	55	624
GLOCK, CHARLES & GRACE	8/28/2008	HE	23.81	0	55	624
BURMAN, ROBERT & LAURA	8/28/2008	HE	22.46	23.38	11	199
MACE, SAMUEL & ANN	8/28/2008	HE	41.64	38.15	19	174
BURMAN, ROBERT & LAURA; CHARLES & DONNA	8/28/2008	HE	43.35	29.47	11	238
COLLEY, CHARLES & NANCY	9/11/2008	DCVRLE	38.67	38.67	26	8
ENFIELD 634 FAMILY LIMITED PARTNERSHIP	9/11/2008	HE	93.82	93.82	10	90
TAYLOR, LAURA & W. FARON	9/11/2008	HE	103.31	95.312	4	27
MARTIN, ROBERT & SUSAN	9/11/2008	HE	62.98	58.23	10	11
HARKINS, EDWARD W.	10/17/2008	HE	80.53	76.9	34	7
SHACKLEFORD-HARTLINE	10/21/2008	HE	125.98	126.416	32	235
APPLEWOOD FARM, LLC	10/21/2008	HE	85.68	86.607	6	29

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
WHITEFORD, HELEN M. & LESLIE E.	10/21/2008	HE	62.077	62.077	4	47
COMER, HARRY E.	10/22/2008	HE	57.716	57.716	27	52
FOARD, WILBUR H. & SAMUEL B. JR. & MASSEY, VIRGINIA	10/23/2008	HE	90.06	90.06	16	99
MARTIN, AUGUST RAYMOND JR.	10/23/2008	HE	67.76	67.787	17	6
MARTIN, MILTON	10/23/2008	HE	62.74	105.058	17	266
KLEIN, PHILLIP & BARBARA	10/23/2008	HE	98.3	98.447	31	28
MARTIN, AUGUST RAYMOND JR.	10/23/2008	HE	2	0	17	326
MARTIN, MILTON	10/23/2008	HE	28.08	0	17	327
MARTIN, MILTON	10/23/2008	HE	12.29	0	17	328
MCGUIRK, JONATHAN & HARRIET	11/12/2008	ME	51.26	51.265	35	130
BOYD LAND COMPANY	1/19/2009	ME	140.3	140.3	26	57
WALL, ROBERT & PAULA	1/22/2009	ME	51.92	51.23	50	141
ROLL, JOSEPH & JOHANNA	1/27/2009	ME	63.29	71.628	12	25
ROLL, JOSEPH & JOHANNA	1/27/2009	ME	10.52	0	12	183
VERDANT VALLEY FARMS LLC	3/3/2009	MRL	6.36	6.36	38	8
VERDANT VALLEY FARMS LLC	3/3/2009	MRL	5.14	5.14	38	8
GRIER, LOUISE & CAROLYN STANDIFORD	7/27/2009	DCVRLE	84.263	86.23	25	122
GRIER, LOUISE & CAROLYN STANDIFORD	7/27/2009	DCVRLE	2	0	25	235
BOY SCOUTS OF AMERICA - BALTIMORE AREA COUNCIL	8/1/2009	FLE	349.6	376.6	12	
BOY SCOUTS OF AMERICA - BALTIMORE AREA COUNCIL	8/1/2009	FLE	27	0	12	

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
DERAN, B. MARIE & PETTY	8/21/2009	DCVRLE	34	34	9	91
RAVEN ROCK / HARFORD LAND TRUST INC	8/21/2009	DCVRLE	9.46	0	26	135
RAVEN ROCK / HARFORD LAND TRUST INC	8/21/2009	DCVRLE	10.1	19.56	26	49
BACHMAN, CHARLES J. & JAMESMARIE A. SR.	8/25/2009	ME	57.5	57.5	55	75
TROYER TELEGRAPH FARM, LLC	9/16/2009	DCVRLE	69.25	67.977	9	62
PRESTON, JERRY & CHRISTINA	10/22/2009	DCVRLE	68.05	70.671	15	74
QUICK, STEPHEN	6/3/2010	ME	114.36	118	34	72
WILSON, SAMUEL R.	8/23/2010	ME	83.38	80.5	18	109
NORTON, RALPH & SABRINA	12/9/2010	DCVRLE	123	16.825	9	
VERDANT VALLEY FARMS LLC	12/21/2010	MRL	110.63	16.089	38	
WILLIAMS, CHARLES & MARGARET	3/4/2011	DCVRLE	52.74	66.66	16	73
WILLIAMS, CHARLES & MARGARET	3/4/2011	DCVRLE	16	0	16	131
PORTER, SUSAN G. (A.K.A SUSAN G. HOWES)	6/13/2011	DCVRLE	16.7063	16.7063	15	156
HABONIM CAMP ASSOCIATION COMPANY INC	9/27/2011	DCVRLE	168.41	268.42	25	31
HABONIM CAMP ASSOCIATION COMPANY INC	9/27/2011	DCVRLE	100	0	25	31
ONUFRAK, JOSEPH & KATHY	2/29/2012	HE	56.86	57.13	19	142
LUDWIG, WAYNE & JACQUELINE	3/8/2012	ME	61.516	61.52	42	67

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
WILEY, JAMES ROSS & MARGARET HARRIS	3/9/2012	HE	77.5	80.852	9	137
WILEY, JAMES ROSS & MARGARET HARRIS	3/9/2012	HE	12.2	0	9	127
GRIMMEL FARMS LLC	4/19/2012	HE	94.12	0	24	53
GRIMMEL FARMS LLC	4/19/2012	HE	158.61	252.741	24	41
RICKEY, MORGAN & LINDA	5/11/2012	HE	26.77	0	11	195
RICKEY, MORGAN & LINDA	5/11/2012	HE	134.65	156.267	5	242
NORFOLK FARM LLC	6/12/2012	HE	125.22	124.799	2	6
TROYER FARM LLC	6/12/2012	HE	105	103.282	23	25
VAUGHAN, MARY ROEDER	6/12/2012	HE	98	0	14	9
VAUGHAN, MARY ROEDER	6/12/2012	HE	29.88	0	14	144
VAUGHAN, MARY ROEDER	6/12/2012	HE	132.4	259.89	14	39
GAMBILL, RUTH A.	6/13/2012	HE	40	0	34	223
GAMBILL, RUTH A.	6/13/2012	HE	16.29	0	34	186
GAMBILL, RUTH A.	6/13/2012	HE	82.67	156.532	34	103
LUDWIG, WAYNE & ELAINE	6/13/2012	HE	24.957	24.957	42	472
BENFIELD FAMILY TRUST & MARVIN BENFIELD TRUST	10/20/2012	ME	92.56	94.92	18	39
NORTON, JAMES & MILDRED	12/6/2012	ME	82.85	83.868	12	45
PIEPER (S T) FAMILY FARM LLC	12/20/2012	HE	32.49	32.49	22	8
WILSON, JEFFERY	1/3/2013	ME	6.03	0	17	187
ROEDER, EDWARD F	2/13/2013	HE	11.358	11.358	14	356
BARROW-WIDMAN, JANICE MICHELE	4/11/2013	HE	127.75	189.87	34	362
BARROW-WIDMAN, JANICE MICHELE	4/11/2013	HE	59	0	34	12

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
LOWE REVOCABLE TRUST, BENJAMIN LEROY	5/24/2013	HE	61.7	0	9	10
LOWE REVOCABLE TRUST, BENJAMIN LEROY	5/24/2013	HE	81.9	141.966	9	10
LOWE REVOCABLE TRUST, BENJAMIN LEROY	5/24/2013	HE	74.9	71.046	9	1
LINKOUS REVOCABLE TRUST, TODD S.	10/31/2013	DCVRLE	176.36	176.365	9	11
MIKKONEN, REINO & ANJA	3/19/2014	ME	71.739	71.739	39	217
GRIMMEL FARMS LLC	8/5/2014	HE	128.84	128.84	24	54
JAY, PETER & IRNA	8/6/2014	ME	142.7	0	36	1
DOUGHERTY, MARGARET H	10/27/2014	DCVRLE	15.21	0	4	62
DOUGHERTY, MARGARET H	10/27/2014	DCVRLE	83.84	99.05	4	19
AMOSS, WILLARD P.	10/31/2014	HE	27.44	0	47	200
AMOSS, WILLARD P.	10/31/2014	HE	82.98	104.13	47	250
H.L. RIGDON LLC	11/7/2014	DCVRLE	236.28	236.28	9	194
MILTON, BRAD & KARIN AND MOORE, WILLIAM & KIMBERLY	11/13/2014	ME	112.1	107.71	42	72
BARROW, CAROLYN	12/5/2014	HE	118.25	122.167	34	11
BARROW, MARJORY ENFIELD	12/5/2014	HE	176.12	176.123	35	4
BUTTON, DAVID	12/23/2014	ME	139.9	132.809	33	466
MILLER, GEORGE & RITA	1/9/2015	HE	119.49	120.62	5	71
MILTON, BRAD	8/25/2015	ME	52.14	52.14	50	272
HESTON, RICHARD & BARBARA	10/21/2015	DCVRLE	235.07	235.36	3	2
GEMMILL, ERIC & JESSICA	10/21/2015	DCVRLE	72.05	72.049	3	8

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
PIEPER (S T) FAMILY FARM LLC	11/18/2015	ME	100	100	34	96
WILLOWBROOK PARTNERS LLC	2/18/2016	ME	81.355	81.355	26	1257
UP HILL FARM LLC	8/31/2016	ME	322.63	322.624	29	236
DASHNER FAMILY FARM LLC	8/31/2016	DCVRLE	129.07	129.072	25	166
STAMPONE, GARY & JERILYN	9/16/2016	DCVRLE	41.38	41.382	34	343
AMLING, JEFFREY	9/21/2016	HE	240	246.7	38	22
HOUZOURIS, GEORGE & VERA	11/17/2016	ME	57.86	56.82	36	251
BARROW, FAY ENFIELD	11/18/2016	HE	140.63	163.398	35	5
BARROW, FAY ENFIELD	11/18/2016	HE	22.76	0	35	5
SMITH, DOUGLAS H JR.	1/13/2017	HE	46.61	46.61	11	72
AMOS, JAMES & WANDA	8/1/2017	DCVRLE	75.48	75.48	17	56
AMOS, JAMES & WANDA	8/1/2017	DCVRLE	42.453	42.453	17	55
YARRINGTON, JULIE & MATTHEW	8/1/2017	DCVRLE	49.479	49.479	17	189
LOWE, HARRY E & RUTH ANN LOWE-SMITH	12/18/2017	DCVRLE	57.579	57.579	9	12
TYSON, BRIAN & KEITH	12/19/2017	DCVRLE	51.1	51.1	3	48
HARFORD LAND TRUST	1/9/2018	MET	104.31	104.31	66	310
TYSON, DENNIS	2/9/2018	DCVRLE	50.19	50.19	3	48
PIEPER, DANIEL	4/25/2018	MRL	45	45	22	61
HARFORD LAND TRUST	6/15/2018	MET	2.18	0	66	293
HARFORD LAND TRUST	6/15/2018	MET	2.18	0	66	202
HARFORD LAND TRUST	6/15/2018	MET	2.54	61.21	66	139
HARFORD LAND TRUST	6/15/2018	MET	53.95	0	66	293
WHITEFORD PACKING COMPANY, INC.	9/25/2018	ME	387.52	387.52	4	12
TROYER FARMS LLC	12/20/2018	ME	175.09	174.77	18	150
GOEDEKE, KEVIN & JOHN	12/28/2018	HE	52.64	52.64	39	5

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
HARFORD COUNTY INVESTORS TRUST	2/1/2019	HE	23.45	0		
HARFORD COUNTY INVESTORS TRUST	2/1/2019	HE	72.86	0		
HARFORD COUNTY INVESTORS TRUST	2/1/2019	HE	125.63	408.518		
HARFORD COUNTY INVESTORS TRUST	2/1/2019	HE	96.62	0		
HARFORD COUNTY INVESTORS TRUST	2/1/2019	HE	72.47	0		
HARFORD COUNTY INVESTORS TRUST	2/1/2019	HE	16.11	0		
HARFORD COUNTY INVESTORS TRUST	2/1/2019	HE	1.34	0		
STEVENSON, WILLIAM & SUSAN	2/1/2019	HE	62.58	56.249	23	91
RIGDON, JOHN ALEXANDER	2/1/2019	HE	40.627	40.627	32	238
WEST, JAMES C. JR.	2/1/2019	HE	169.717	151.718	7	18
SAFFELL, BETTY	2/6/2019	ME	123.9	124.34	31	14
ORSULAK, JOSEPH M.	2/22/2019	HE	80.316	83.886	27	234
LAMBERT, JOHN M. & LINDA JEAN	2/22/2019	HE	40.38	45.9876	11	227
COPELAND, JAMES W. & MARY B.	2/22/2019	HE	30	31.21	20	63
RICE, FREDERICK B. & TAMMY M.	2/22/2019	HE	44	61.481	11	31
LAMBERT, MARY C.	2/22/2019	HE	40.17	40.8304	11	308
LEAGUE, CECILIA W. & ANDREW P.	3/1/2019	HE	79.47	77.706	15	61
BROOKE'S CROSS FARM	3/1/2019	HE	171.42	171.42	47	268
LEAGUE, CECILIA W.	3/1/2019	HE	34.32	34.321	15	201
GALBREATH FAMILY PARTNERSHIP	3/1/2019	HE	93.9	0	11	18
GALBREATH FAMILY PARTNERSHIP	3/1/2019	HE	143.92	320.03	11	18

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
GALBREATH FAMILY PARTNERSHIP	3/1/2019	HE	71.76	0	11	153
FRANKE, SANDRA SCHWARTZ & MARKUS	3/1/2019	HE	70.82	70.826	10	22
MILLBROOK FIELDS, LLC	3/6/2019	HE	113.67	113.675		
MILLBROOK FIELDS, LLC	3/6/2019	HE	194.56	194.568		
ABSHER, DEBORAH & JEFFREY	3/8/2019	HE	82.395	83.481	51	59
TURNBAUGH, MARTHA ANN	3/8/2019	HE	78.5	78.957	51	760
HUBER, MELVIN & DIANE	3/8/2019	HE	43.242	43.242	31	122
ENGLISH, SCOTT D. & DEBRA L.	3/8/2019	HE	63.29	51.953	8	263
SCHEELER, LINDA D.	4/5/2019	DCVRLE	73.57	78.627	9	156
Izaak Walton League of America	4/26/2019	DCVRLE	44	44.786	9	58
KAHL, DAVID R.	4/26/2019	DCVRLE	39.7176	42.1366	8	116
KAHL, DAVID R.	4/26/2019	DCVRLE	2.419	0	8	254
COOPER, STEPHEN T.	5/23/2019	ME	322.61	319.855	6	
PROSSER, PAUL J. III	12/6/2019	DCVRLE	34.175	34.175	8	118
LA GRANGE, LLC	2/21/2020	DCVRLE	31.76	31.76	17	250
DOUGHERTY, DAVID & TRACEY	2/21/2020	DCVRLE	34.578	34.578	9	255
ROSE FAMILY FARM, LLC	3/3/2020	MRL	122.28	122.29	23	76
TOMLINSON, RACHEL & KYLE	4/7/2020	ME	29.008	28.113	12	43
BACHMAN FAMILY	6/25/2020	HE	79.69	79.699	47	335
RIGDON, ESTATE OF MARY	6/26/2020	HE	195.155	195.155	32	234
RIGDON, GEORGE; JOHN; & HENRY	6/26/2020	HE	176.91	176.914	32	239
DANEY, MICHAEL & AMY	6/26/2020	HE	33.89	33.899	28	63

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
PERSERVERANCE FARM LLC	6/26/2020	HE	73.692	73.692	11	169
MARTELLO FAMILY	6/26/2020	HE	65.08	65.088	4	15
KELLY, ROBERT	6/26/2020	HE	58.63	58.637	28	100
DELP, DAN & JOSIE	7/22/2020	ME	90.26	90.26	12	193
TROUT, STEPHEN C.	8/27/2020	ME	65.0988	64.0988	32	410
WIESS, THERESA; JEAN, CHARLES, & SALLIE	9/16/2020	ME	89.97	89.506	32	7
WEISS, THERESA; SALLIE & THEODORE TURNBAUGH	9/16/2020	ME	66.09	65.705	32	313
CLARK, RUTLEDGE, SILVER	10/26/2020	ME	130.42	129.791		
RIGDON FAMILY HERITAGE, LLC	11/3/2020	ME	28.355	26.739	32	413
RAHN, PAUL D.	11/6/2020	DCVRLE	11.974	11.974	16	125
DOUGHERTY, DAVID N. & TRACEY A.	11/6/2020	DCVRLE	43.238	43.238	10	102
DAY, CHARLES E	11/6/2020	DCVRLE	28.924	28.924	20	19
HESS, PATRICK & LYNN	1/19/2021	ME	81.89	75	61	
ALEXANDER FAMILY LIMITED PARTNERSHIP	1/28/2021	DCVRLE	147.707	147.707	10	95
COOPER	2/4/2021	ME	66.199	66.199	6	55
JONES	2/17/2021	ME	50.874	50.874	24	213
ARTMAN & PETER	3/19/2021	ME	60.726	60.726	19	383
KEYES	3/25/2021	ME	39.503	35.328	43	64
SMIGAJ & GARAYOA	5/21/2021	HE	70.979	70.979	8	204
LAWRENCE	6/25/2021	HE	28.682	28.682	4	31
LAWRENCE	6/25/2021	HE	54.696	49.687	4	110
BROWN	7/9/2021	HE	73.692	73.692	15	11
WILSON HEAPS	7/9/2021	HE	57.709	57.709	10	52
MAULSBY	7/23/2021	HE	129.73	129.73	11	173
HEAPS	8/6/2021	HE	62.26	62.26	19	3

APPLICANTS	DATE	CODE	PARCELACS	ACRES	TAX MAP	PARCEL
HEAPS FAMILY LLC	8/6/2021	HE	230.288	230.288	19	507
HEAPS FAMILY LLC	8/6/2021	HE	122.414	122.414	12	37
HEAPS FAMILY LLC	8/6/2021	HE	122.626	122.626	12	37
HEAPS FAMILY LLC	8/6/2021	HE	0	0		526
HEAPS FAMILY LLC	8/6/2021	HE	0	0		459
ELLIOTT	8/6/2021	HE	46.291	46.291	28	153
HEAPS FAMILY LLC	8/6/2021	HE	0	0		315
JOHNSON	8/17/2021	HE	83.189	86.132		
JOHNSON	8/17/2021	HE	2.943	0		
STEWART	8/17/2021	HE	51.85	51.85	3	5
JONES	8/17/2021	HE	37.57	0	10	209
JONES	8/17/2021	HE	173.12	210.702	10	209
SEVEN SPRINGS FARM	10/1/2021	DCVRLE	337.206	337.206	36	45
WILSON JR., LOUIS T.	10/8/2021	HE	38.501	38.501	24	10
MERRYMAN	10/8/2021	HE	111.351	111.351	5	1
NAIR	10/8/2021	HE	71.048	64.826	6	16
MICHIE, MARK & SHARON	10/8/2021	HE	68.527	68.527	25	3
MICHIE, MATTHEW M.	10/8/2021	HE	74.186	74.186	33	23
BRONSTON, PAUL	10/8/2021	HE	47.788	47.788	43	22

Maryland Historic Trust Easements

TYPE	EASEID	PROPERTY ID	EASEMENT NAME	EASEMENT NAME 2	RECORD DATE	ACRES
MHT	132	13649	Wilson's Mill	Stokes' Mill	1976-03-30	101.0
MHT	212	14853	Hopkins House		1976-09-19	0.5
MHT	251	13792	Mt. Pleasant	Norris-Stirling House	1976-12-20	50.0
MHT/MET	6	14572	Christopher's Camp	Winchester Farm	1979-12-27	286.0
MHT	9	13889	Spesutia Vestry House	St. George's Parish	1980-01-21	0.0
MHT	28	13751	Southern Terminus Susquehanna Canal		1980-07-24	6.9
MHT	52	13890	Concord Point Lighthouse	Havre De Grace Lighthouse	1981-06-04	0.7
MHT	100	15149	Hidden Valley Farm	Joshua Green Farm	1983-12-30	6.1
MHT	133	13683	D. H. Springhouse	David Holland Springhouse, Bald Hill Farm	1984-10-23	1.0
MHT/MET	211	14332	Woodside	Wilson House	1987-06-30	40.3
MHT	213	13864	Hays House	Harford Co. Historical Society	1987-07-23	0.3

TYPE	EASEID	PROPERTY ID	EASEMENT NAME	EASEMENT NAME 2	RECORD DATE	ACRES
MHT	266	14174	Concord Pt. Lightkeeper's House	John O'Niel House	1990-07-12	0.7
MHT	317	13849	Hosanna School	Berkley School	1993-06-10	1.0
MHT	318	13946	McComas Institute		1993-06-10	2.0
MHT/MET	333	14751	Whitaker's Mill	Dunkale Mill	1994-02-25	13.3
MHT	389	14854	Ladew Topiary Gardens	Ladew Gardens	1997-04-09	21.9
MHT	494	15044	Bel Air Post Office	Old Post Office	2000-01-12	1.0
MHT	747	13949	Gray Gables	Scriven-Stokes House	2007-08-27	13.9
MHT	652	14172	211 Patterson Mill Road		2008-04-10	6.4
MHT	691	15038	Bel Air Armory	Reckord Armory	2010-06-04	1.2
MHT	725	14478	B&O Railroad Station		2011-10-06	0.3
MHT	726	14401	Mt. Pleasant at Bulle Rock	Mount Pleasant at Bulle Rock	2013-12-19	3.0

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