Staff Recommendation	BOCS Chairman Language	Staff Analysis
Significant Non-RPA Stream: A stream that is determined to significantly contribute to the health of an RPA stream or public drinking water source and/or that has a defined channel, sorted substrate, groundwater input, and supports aquatic life according to the U.S. Environmental Protection Agency's Rapid Bioassessment Protocol. The determination will also consider the Virginia Unified Stream Methodology's criteria such as channel condition, riparian buffer, in-stream habitat, presence of wetlands and overall subwatershed conditions. The stream will generally score > 18 points when assessed with the County's preferred stream assessment protocol during the Perennial Flow Determination (PFD) process or as part of a watershed management plan.	Significant Non-RPA Stream: A stream that at a minimum has a defined channel, sorted substrate, groundwater input, and supports aquatic life.  Significant Non-RPA Streams shall be determined based on the following criteria:  1. Significant streams will generally score > 18 points (if no flow is present) or 21 points (if flow is present) when assessed with the County's preferred stream assessment protocol during for the Perennial Flow Determination (PFD) process and;  2. The determination of a stream's significance will further include consideration of the channel condition, riparian buffer condition, in-stream habitat, presence of wetlands and springs, and overall condition of the contributing watershed.	Staff recommends that any stream scoring >18 points be considered a significant non-RPA stream. The alternative suggestion excludes streams with water flow that score < 21 points, and, as a result, will likely reduce the number of stream segments that will be considered significant.

Staff Recommendation	BOCS Chairman Language	Staff Analysis
EN 3.2 Amend the cluster ordinance to ensure that open space is permanently protected, as defined in the Open Space Chapter and managed as a natural area.	EN 3.7 Encourage the use of open space/conservation easements or fee simple dedication to preserve open space in already developed areas in order to provide natural areas, protect environmentally sensitive resources, preserve wildlife habitat and ensure a scenic appearance over time. Consider development at the high end of the density range for those projects that preserve sensitive features, identified in the ECA, beyond the minimum preservation requirements such as buffers, the RPA and floodplain.	Staff recommends a new strategy to encourage open space preservation by supporting increased density where minimum open space requirements are exceeded and the use of conservation easements as a preservation tool. The alternative suggestion expands the tools for open space preservation to also include fee-simple dedication. The suggestion could result in more open space lands dedicated fee-simple to the county or to a land conservation entity. The alternative suggestion may result in increased maintenance costs associated with land ownership.

Staff Recommendation	BOCS Chairman Language	Staff Analysis
EN 5.1 When designing a project, use the	EN 5.1 When designing a project, use	Staff recommends a new strategy
following priorities for protecting the natural	the following priorities for protecting	suggesting appropriate ways to protect
landscape when compatible with the	the natural landscape when compatible	the natural landscapes including
proposed land use:	with the proposed land use:	identification and mitigation of slopes 15% or greater with shrink-swell soils.
Development in the coastal plain in areas of	Development in the coastal plain in	The alternative suggestion increases
15% or greater slopes where shrink-swell	areas of 15% 25 or greater slopes where	from 15% to 25% the slopes where
soils exist should address slope stability	shrink-swell soils exist should address	development would need to address
through mitigation or avoidance.	slope stability through mitigation or	slope stability through mitigation or
	avoidance.	avoidance. The suggestion would
Along significant non-RPA streams,		result in slopes between 15% and 25%
discourage development in all areas of 25%	Along significant non-RPA streams,	with shrink-swell soils not receive the
or greater slopes at least 50 feet from the	discourage development in all areas of	same level of scrutiny at time of
edge of the stream.	25% or greater slopes at least 50 feet	rezoning as slopes 25% or greater.
	from the edge of the stream along each	Slope stability is reviewed at time of
Encourage the preservation of a natural	side of all significant non-RPA streams	site plan through required geo-technic
buffer of existing woodland or forestation		analysis but there may be an increased
area of at least 50 feet along each side of all	Encourage the preservation of a natural	chance of slope failure. This would,
significant non-RPA streams.	buffer of existing woodland or	however, not put as stringent a cost or
	forestation area of at least 50 feet along	regulation on areas of the County
Encourage mitigation where impacts are	each side of all significant non-RPA	planned for development which have
unavoidable.	streams.	more areas of steep slopes.
Emphasize the preservation of jurisdictional	Encourage mitigation where impacts are	·
wetlands over mitigation, including measures	unavoidable.	
that ensure the wetland's sustainability		
	Emphasize the preservation of	
	jurisdictional wetlands over mitigation,	
	including measures that ensure the	
	wetland's sustainability.	

Staff Recommendation	BOCS Chairman Language	Staff Analysis
EN 5.2 Amend the DCSM to require identification of and limit development on all areas with shrink/swell soils, 15% slopes with an erodibility factor K of greater than 0.4, and/or with underlying marine clays. Where impacts are unavoidable, require mitigation.	EN 5.2 Amend the DCSM to require identification of and limit development on all areas with shrink/swell soils, 15% slopes with an erodibility factor K of greater than 0.4, and/or with underlying marine clays. Where impacts are unavoidable, require mitigation.	Staff recommends a new strategy to develop a DCSM amendment to identify and limit or mitigate development on certain poor soils. The alternative suggests identifying these poor soils and requires avoidance or mitigation where avoidance is impracticable. The alternative may enable development in areas with poor soils. Since these soils are primarily located in the Potomac Communities area east of Interstate 95, the suggestion could increase opportunities for economic development in this area - which is slated for redevelopment and is a prime area for BRAC related economic growth.

Staff Recommendation	<b>BOCS Chairman Language</b>	Staff Analysis
EN 5.9 For properties that include jurisdictional wetlands and waters, 15% or greater slopes, or unique habitats of special concern, require enhanced erosion and sedimentation controls, including super silt fences, erosion control blankets, soil stabilization matting, temporary vegetative cover, and other controls, as required by the Erosion and Sediment Control Program Administrator.	EN 5.9 Amend the DCSM to require enhanced erosion and sedimentation controls Ffor properties that include jurisdictional wetlands and waters, 15% or greater slopes, or unique habitats of special concern, require enhanced erosion and sedimentation controls, including super silt fences, erosion control blankets, soil stabilization matting, temporary vegetative cover, and other controls, as required by the Erosion and Sediment Control Program Administrator.	Staff recommends a new strategy to require rezoning and special use permit cases to utilize enhanced erosion and sediment controls in areas with sensitive features, which constitute a large portion of the county. The alternative is stronger language, suggests that these requirements should be incorporated into the DCSM. The alternative would result in enhanced erosion control to apply to by-right development in addition to development going through the rezoning and special use permit process. These controls will result in reduced sediment leaving a development site but could increase development costs when they are utilized.
EN 5.17 Identify, manage and protect ecological communities and wildlife-especially critical habitats - as well as endangered and threatened species, rare plant communities and critical habitat areas.	EN 5.17 Encourage identification, management, and protection of Identify, manage and protect ecological communities and wildlife- especially critical habitats - as well as endangered and threatened species and species of special concern, as identified in the official Federal and State lists.	The Plan currently contains language to identify, manage, and protect certain critical habitats, in addition to habitats for endangered and threatened species and species of special concern. The alternative eliminates references to endangered and threatened species.

Staff Recommendation	BOCS Chairman Language	Staff Analysis
EN 5.18 Ensure the County considers the most recent information available on the status and locations(s) of rare, threatened, and endangered species, rare plant communities and critical habitat areas	EN 5.18 Ensure the County considers the most recent information available on the status and locations(s) of rare, threatened and endangered species, rare plant communities and unique habitats of special concern. Critical habitat areas located on the DCR map.	Staff suggests a new strategy to ensure the most recent information is used regarding critical habitats. The alternative recommends a focus on Unique Habitats of Special Concern found on the DCR map which is currently on their database while removing the reference to federal and state parameters. Staff's recommendation would have the County be more involved in implementing the Federal Endangered Species Act up front vs. at the permit stage where the developer may or may not need a permit from the Federal government.

Staff Recommendation	BOCS Chairman Language	Staff Analysis
EN6.5 Require adherence to the following	EN6.5 RESIDENTIAL Preclude the	Staff suggests language that makes it clear
guidelines for determination of density or	development of habitable structures within	that the gross acreage minus the
intensity of development: Preclude the	100-year floodplains. The allowable	Environmental Resource (ER) portion of a
development of habitable structures within 100-	dwelling unit density for a property in the	property is the basis for calculating
year floodplains. The allowable dwelling unit	Urban, and Suburban, and Semi-Rural	residential density, consistent with the
density for a property in the Urban and Suburban	Areas shall be calculated based on the area	Long-Range Land Use Plan. The
Area shall be calculated based on the area outside	outside the Environmental Resource (ER)	alternative suggestion would change the
the Environmental Resource (ER) area,	area, floodplain, and Chesapeake Bay	basis for calculating density to the gross
floodplain, the Chesapeake Bay RPAs, and areas	RPAs, as shown in an the environmental	acreage minus only the RPA and floodplain
as shown in an the environmental constraints	constraints analysis submitted with a	portions of a property. The alternative
analysis submitted with a rezoning or special use	rezoning or special use permit application	could increase development density on
permit application with wetlands; 25 percent or	with wetlands; 25 percent or greater slopes;	certain properties with a preponderance of
greater slopes; areas with 15 percent or greater	areas with 15 percent or greater slopes in	steep slopes and sensitive soils. The
slopes in conjunction with soils that have severe	conjunction with soils that have severe	suggestion also makes this more consistent
limitations; soils with a predominance of marine	limitations; soils with a predominance of	with the land use chapter by including
clays; public water supply sources; and critically	marine clays; public water supply sources;	semi-rural residential. In addition, this
erodible shorelines and stream banks. The	and critically erodible shorelines and stream	alternative could facilitate the
allowable dwelling unit density areas of the	banks. The allowable dwelling unit density	implementation of the Potomac
property encumbered by such features shall be	areas of the property encumbered by such	Communities revitalization efforts.
based upon the maximum density permitted by	features shall be based upon the maximum	
the existing zoning of the property at the time of	density permitted by the existing zoning of	·
adoption of the Comprehensive Plan. Other	the property at the time of adoption of the	
relevant Comprehensive Plan components – such	Comprehensive Plan. Other relevant	
as the capacity of the transportation network,	Comprehensive Plan components – such as	
environmental constraints, and zoning	the capacity of the transportation network,	
requirements – must be addressed, as well, in	environmental constraints, and zoning	
determining the appropriate number of dwelling	requirements – must be addressed, as well,	
units on a property.	in determining the appropriate number of	
	dwelling units on a property. Amend the	
	land use classifications in the Long–Range	
	Land Use Plan chapter to reflect these	
	guidelines	

Staff Recommendation	BOCS Chairman Language	Staff Analysis
EN6.10 Update the DCSM to include a protocol for defining Significant Non-RPA Streams during the Perennial Flow Determination (PFD) process and establish standards for protection of these streams including but not limited to buffers, steep slope avoidance, development setbacks and necessary mitigation measures when the proposed development affects these streams.	EN 6.10 Update the DCSM to include a protocol for defining Significant Non-RPA Streams during the Perennial Flow Determination (PFD) process and establish standards for protection of these streams including but not limited to buffers, steep slope avoidance, development setbacks and necessary mitigation measures when the proposed development affects these streams.	Staff recommends amending the DCSM to include a specific protocol for how to define a significant non-RPA stream, along with standards for protection of those streams. Stream protection would apply to both by-right development as well as rezoning and special use permit process. The alternative suggests not including this strategy. The alternative does not recognize the need to update the DCSM to reflect a protocol for defining and protecting significant non-RPA streams, and would eliminate protections for significant non-RPA streams for by-right development.
EN8.2 Amend the DCSM to manage stormwater, to meet the 1-year, 10-year, and 24-hour storm event.	EN 8.2 Amend the DCSM to require the extended detention of the manage stormwater, to meet the 1-year, 10-year and 24-hour storm event, 24-hour storm volume for a minimum of 24 hours, in addition to the traditional peak control of the 2-and 10-year storm events.	Staff recommends a new strategy requiring management of the one-year storm event. This alternative appears to require detention rather than both detention and management thereby precluding other alternatives such as LID.

Staff Recommendation	BOCS Chairman Language	Staff Analysis
EN8.3 Amend the DCSM to establish and encourage low impact development (LID) standards, including: filtering the "first flush" of urban run-off expanded use of constructed wetlands, multiple BMPs in a series, and superior BMPs enhanced and extended detention on-site (dry ponds with control structures or shallow marsh)	EN8.3 Amend the DCSM to establish and encourage low impact development (LID) standards, including: filtering the "first flush" of urban run-off expanded use of constructed wetlands, multiple BMPs in a series, and superior BMPs enhanced and extended detention on-site (dry ponds with control structures or shallow marsh)	Staff recommends a new strategy to develop a DCSM amendment to encourage Low Impact Development (LID) techniques consistent with the proposed state stormwater regulations. The alternative suggests eliminating this strategy until the Virginia stormwater regulations have been officially adopted. The suggestion would result in the county not actively promoting LID techniques until we are provided more information on state regulations

Staff Recommendation	BOCS Chairman Language	Staff Analysis
EN10.2 Amend the Zoning Ordinance and DCSM requirements for buffer areas, landscaping, and tree cover requirements to prioritize tree preservation instead of tree replacement.	EN 10.2 Amend the Zoning Ordinance and the DCSM requirements for buffer areas, landscaping, and tree cover requirements to prioritize tree preservation instead of tree replacement to allow reductions in minimum lot areas, setbacks, street frontage, buffers, and other such requirements to encourage preservation of natural vegetation and other desirable features.	Staff recommends a new strategy to prioritize tree preservation over tree replacement within buffers and other landscaped areas. The alternative suggestion would allow additional flexibility for various zoning and DCSM standards to encourage preservation of natural vegetation and other desirable features. The alternative may make administration of the zoning ordinance and DCSM more difficult. However, it may also provide the necessary incentives to achieve preservation of valuable natural features. Another issue may be the impact on other priorities such as sidewalk and driveway alignments and grades.