Homework 2

Category	A) General criteria for area & activity regulated by CAO	B) General CAO requirements for this type of area & activity & justification for these requirements
Aquatic Areas	Maine shorelines, rivers & lakes Natural water bodies that contain fish habitat Other waters that flow to the above Other natural waters	Buffers to protect areas from development & provide ecological functions such as groundwater recharge & riparian vegetation. Width depends on type of area. May be able to reduce buffer with a farm or rural stewardship plan May need critical area analysis documenting impacts & mitigation plan Existing legal uses grandfathered Makes provisions for maintenance of existing structures, landscape, driveways, wells septic tanks, docks, utilities, etc.
Wetlands	Areas where soil is moist enough during growing season to affect species of plants that can grow. Rated by scarcity, functionality, sensitivity, replaceability, condition.	Buffers to protect areas from development & provide ecological functions such as groundwater recharge & riparian vegetation. Width depends on type & category of wetland, type of development activity in vicinity. Width may be averaged. May need critical area analysis documenting impacts & mitigation plan Existing legal uses grandfathered Makes provisions for utility corridors, trails, docks, roads & utilities, exotic or hazardous vegetation removal, pollution control facilities, reconstruction of existing structure, enhancement & restoration
Agriculture	Existing agriculture may continue with minor changes to regulations on ditches, livestock on previously cleared land New or expanded activity is regulated	Protect natural waters from contamination, preserve natural habitat Ditches must be covered by Farm Management Plan, maybe F&W permit Livestock fencing setbacks (width depending on plan or no plan). Livestock numbers depend on size of parcel. Farm management plans not required unless activities are new or expanded. Setback, coverage, & spreading limits on manure

Homework 2

Category	General criteria for area & activity regulated by CAO	General CAO requirements for this type of area & activity & justification for these requirements
Clearing & Grading	Clearing of vegetation on new residential land	Damage to streams occurs when >15% of a basin is cleared, 3–4% is paved, or 5% of natural cover is removed. Strive to preserve 65% of natural cover.
	Grading of cleared land	Detention ponds have limited ability to prevent damage to hydrology.
		Clearing limits based on parcel size & location, ranging from 35–50%
		Forest practices, trails, noxious plant removal allowed, permit may be required
		Clearing for construction access, utilities & septic don't count'
		Erosion & sediment controls always required. Clearing during winter only by permit with measures to prevent silt-laden runoff.
Other Rural Practices	Channel migration zones	Setbacks to prevent danger & property damage & protect preserve fish & wildlife habitat
	Aquifer recharge areas	Restrictions to protect supply & quality of water for underground drinking water systems depend on type of area. Pipelines, cemeteries, junkyards, etc., examples of activities that may be prohibited.
	Hazard areas such as old mines, landslide & quake areas	Setback & protection requirements for protection of life & property
	Wildlife conservation areas, esp. breeding sites	Permitted developments require mitigation
	Addition of >2000 sq. ft. or clearing of > 7000 sq. ft.	Storm water controls & possible treatment