

Table 4. Detailed estimates of acreage (millions of acres) and carbon stock (Megagrams C) for 2006 and 2016 by land use and pool with implied mean annual flux (Mg C yr⁻¹)

Land Use	Pool	2006		2016		Annual Mean Flux 2006-2016 (Mg C/yr)
		Acreage (M acres)	Stock (Mg C)	Acreage (M acres)	Stock (Mg C)	
Forest	Total	16.5672	1,984,596,595	16.3332	1,994,957,762	-1,036,117
	Aboveground (live)	-	308,869,902	-	331,175,860	-2,230,596
	Belowground (live)	-	63,802,854	-	68,603,614	-480,076
	Understory	-	12,275,390	-	11,921,791	35,360
	Standing dead	-	9,624,121	-	9,100,495	52,363
	CWM	-	35,692,062	-	37,530,877	-183,882
	Forest Floor	-	114,879,222	-	113,626,120	125,310
	Upland forest soil	14.11248	1,047,805,191	13.8739	1,029,429,005	1,837,619
	Woody wetland (O+mineral) soil	1.907212	111,815,802	1.910233	113,302,871	-148,707
	Woody wetland (O only, peat) soil	0.547508	279,832,051	0.54906	280,267,128	-43,508
	Wood Harvested	-	3,868,126	-	3,692,105	-3,780,115
Urban	Total	0.8579	90,102,950	0.8685	91,015,658	-91,271
	Aboveground	-	19,374,921	-	19,509,701	-13,478
	Belowground	-	4,181,255	-	4,210,342	-2,909
	Soil	0.8579	66,546,774	0.8685	67,295,615	-74,884
Agriculture	Total	1.249	-	1.251	-	-
	Aboveground	-	-	-	-	-
	Belowground	-	-	-	-	-

	Soil	1.249	97,183,513	1.251	96,303,017	88,050
	Emissions	-	-	-	-	172,091
Inland Water	Inland Water Acreage	2.860142	-	2.857853	-	0.0023
	Net "Inland Water Flux"	-	-	-	-	-145,032
	(Soils to Inland Waters Flux)	-	-	-	-	550,999
	Freshwater Sediment Storage	-	-	-	-	91,566
	Export to Ocean	-	-	-	-	267,331
	Fract of Exp to Ocean not Seq (80%)	-	-	-	-	213,865
	Freshwater Outgassing	-	-	-	-	192,102
Coastal Water	Total	-	-	-	-	-
	Sediment	-	-	-	-	-
	Vegetation	-	-	-	-	-
Wetland Soil	Total	0.283883	72,726,044	0.277462	71,229,883	149616.1
	Non-woody Aboveground	-	5,090,823	-	4,986,092	10473.1
	Non-woody wetland (O+mineral)	0.189848	19,550,355	0.185558	18,735,886	81446.9
	Non-woody wetland (O only, peat)	0.094035	48,084,866	0.091904	47,507,905	57696.1
Shrubland	Soil	0.72729	57,223,081	0.96827	76,261,437	-1,903,835.6

FF Emission	Total	-	-	-	-	4,897,646
	Electric Power	-	-	-	-	545,332
	Industrial	-	-	-	-	658,174
	Transportation	-	-	-	-	2,332,989
	Residential	-	-	-	-	775,246
	Commercial	-	-	-	-	490,450
	Waste	-	-	-	-	95,455
Forest Products (Harvested Wood)	Total	-	-	-	-	-755,064
	Lumber	-	-	-	-	-383,337
	Pulp	-	-	-	-	-165,583
	Chips	-	-	-	-	0
	Biomass/Firewood	-	-	-	-	0
	Landfill	-	-	-	-	-206,144
Agricultural Products	Total	-	-	-	-	0
	Blueberries	-	-	-	-	0
	Potatoes	-	-	-	-	0
	Other	-	-	-	-	0
Grassland	Total	0	0	0	0	0
Salt Marshes and Eelgrasses	Total Blue C	-	-	0.0496	4,144,100	-
	Salt Marsh Soil (upper 1 m)	-	-	0.018	2,518,500	-
	Eelgrass Meadow Soil (upper 1 m)	-	-	0.0316	1,625,600	-

Compiled by the Forest Climate Change Initiative, Center for Research on Sustainable Forests at the University of Maine.