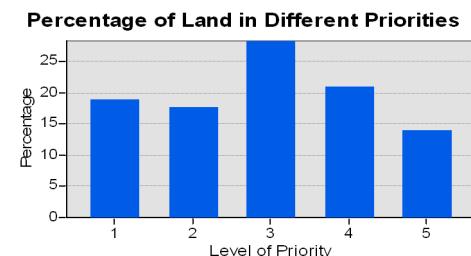




# Prioritizing Areas in Massachusetts for Environmental Conservation



Level of Priority	Percentage
1	18.94
2	17.66
3	28.35
4	21.06
5	13.99



Total Score	Area in Square Meters	Area in Acres	Percentage
0	6703881687.08	1656565.24	25.631075
1	1232004047.66	304434.83	4.710344
2	1185062095.55	292835.22	4.53087
3	3857625771.02	953240.09	14.748932
4	853734387.41	210962.36	3.264099
5	2764509138.26	683125.09	10.569599
6	1075693834.18	265809.74	4.11272
7	899367970.97	222238.67	3.43857
8	3337831984.4	824796.25	12.761595
9	848811882.86	209745.98	3.245278
10	834482595.3	206205.14	3.190493
11	588908409.7	145522.44	2.251584
12	442519743.57	109349.01	1.691894
13	275732359.99	68134.95	1.054213
14	271835610.01	67172.04	1.039314
15	234083629.03	57843.32	0.894976
16	261570080.08	64635.37	1.000066
17	139169210.63	34389.46	0.532088
18	76435538.64	18887.63	0.292237
19	83242975.8	20569.79	0.318264
20	56761777.67	14026.14	0.217018
21	43396540.4	10723.52	0.165919
22	29011746.25	7168.96	0.110921
23	32012997.48	7910.58	0.122396
24	17109404.49	4227.83	0.065415
25	2830639.07	699.47	0.010822
26	4395099.62	1086.05	0.016804
27	788856.65	194.93	0.003016
28	1446299.01	357.39	0.00553
29	555572	137.28	0.002124
30	212763.13	52.57	0.000813
31	112823.55	27.88	0.000431
32	55064.04	13.61	0.000211
33	50844.17	12.56	0.000194
34	23290.08	5.76	0.000089
35	2601.13	0.64	0.000001
36	7647.81	1.89	0.000029
37	635.83	0.16	0.000002
38	10120.31	2.5	0.000039
39	874.42	0.22	0.000003

## RELEVANT SPATIAL VARIABLES

**Forest Core**  
**Species of Conservation Concern**  
**Priority Natural Communities**  
**BioMap2 Wetlands**  
**Aquatic Core**  
**Vernal Pool Core**  
**Landscape Blocks**  
**Aquatic Buffer**  
**Wetland Buffer**  
**Coastal Adaptation Analysis**  
**Tern Foraging**  
**Land-based Food Resources (cranberry bog, cropland, orchard, pasture)**  
**Shellfish Suitability Areas**  
**Surface Water Supply Protection Areas**  
**MassDEP Wellhead Protection Areas (Zone I, Zone II, IWPA)**  
**EPA Designated Sole Source Aquifers**  
**Areas of Critical Environmental Concern**  
**MassDEP Wetlands (2005)**  
**Protected and Recreational Open Space**

## WEIGHT

3  
3  
3  
3  
3  
3  
3  
1  
1  
1  
1  
1  
1  
5  
5  
5  
5  
5  
3  
3  
2

- Boundary of the Commonwealth of Massachusetts
- Fifth Priority/Fully Developed (Total Score = 0)
- Fourth Priority (Total Scores = 1 - 3)
- Third Priority (Total Scores = 4 - 7)
- Second Priority (Total Scores = 8 - 10)
- First Priority (Total Scores = 11 - 40)



Felix Daily  
 ENVSCI 281  
 Term Project (Fall 2021)  
 School for the Environment  
 University of Massachusetts Boston