



Default Pollutant Coefficients for C-CAP Land Cover Categories

This table displays default pollutant coefficients for the C-CAP land cover categories and the literature source from which they were derived. In QNSPECT, the pollutant coefficients serve as a proxy of the concentration of the runoff pollutant from each land cover type.

C-CAP Value	C-CAP Land Cover Class	Total Phosphorus (mg/L)	Total Nitrogen (mg/L)	Total Suspended Solids (mg/L)	Total Zinc (mg/L)	Total Lead (mg/L)	Literature Source
2	High-Intensity Developed	0.47	2.22	71.0	0.06	0.09	Adamus and Bergman, 1995 (High-Density Residential)
3	Medium-Intensity Developed	0.30	2.29	27.00	0.06	0.06	Adamus and Bergman, 1995 (Low-Density Residential)
4	Low-Intensity Developed	0.18	1.77	19.10	0.03	0.04	Adamus and Bergman, 1995 (Low-Density Residential)
5	Developed Open Space	0.05	1.25	11.10	0.03	0.03	Adamus and Bergman, 1995 (Low-Density Residential)
6	Cultivated Land	0.42	2.68	107.00	0.03	0.03	Adamus and Bergman, 1995 (Crops)
7	Pasture/ Hay	0.48	2.48	55.30	0.03	0.02	Adamus and Bergman, 1995 (Pasture)
8	Grassland	0.05	1.25	55.30	0.03	0.03	Adamus and Bergman, 1995 (Recreation, Open Space, Range)
9	Deciduous Forest	0.05	1.25	11.10	0.01	0.00	Adamus and Bergman, 1995 (Recreation, Open Space, Range)
10	Evergreen Forest	0.05	1.25	11.10	0.01	0.00	Adamus and Bergman, 1995 (Recreation, Open Space, Range)
11	Mixed Forest	0.05	1.25	11.10	0.01	0.00	Adamus and Bergman, 1995 (Recreation, Open Space, Range)
12	Scrub/ Shrub	0.05	1.25	11.10	0.01	0.00	Adamus and Bergman, 1995 (Recreation, Open Space, Range)
13	Palustrine Forested Wetland	0.20	1.10	19.00	0.02	0.00	CH2M Hill, 2000 (Forested Wetland)
14	Palustrine Scrub/ Shrub Wetland	0.20	1.10	19.00	0.02	0.00	CH2M Hill, 2000 (Forested Wetland)
15	Palustrine Emergent Wetland	0.20	1.10	19.00	0.02	0.00	CH2M Hill, 2000 (Forested Wetland)
16	Estuarine Forested Wetland	0.20	1.10	19.00	0.02	0.00	CH2M Hill, 2000 (Forested Wetland)
17	Estuarine Scrub/ Shrub Wetland	0.20	1.10	19.00	0.02	0.00	CH2M Hill, 2000 (Forested Wetland)
18	Estuarine Emergent Wetland	0.20	1.10	19.00	0.02	0.00	CH2M Hill, 2000 (Forested Wetland)
19	Unconsolidated Shore	0.12	0.97	70.00	0.20	0.03	CH2M Hill, 2000 (Open/Nonurban)
20	Bare Land	0.12	0.97	70.00	0.20	0.03	CH2M Hill, 2000 (Open/Nonurban)
21	Water	0.00	0.00	0.00	0.00	0.00	N/A
22	Palustrine Aquatic Bed	0.00	0.00	0.00	0.00	0.00	N/A
23	Estuarine Aquatic Bed	0.00	0.00	0.00	0.00	0.00	N/A

Adamus, C.L., and M. Bergman (1995). "Estimating Nonpoint Source Pollution Loads with a GIS Screening Model." *Water Resources Bulletin*. Volume 31, Number 4. Pages 647-655.

CH2M Hill (2000). "Technical Memo 1, Urban Stormwater Pollution Assessment." Prepared for North Carolina Department of Environment and Natural Resources, Division of Water Quality.

U.S. EPA (1983). *Final Report of the Nationwide Urban Runoff Program*. Washington, DC: US EPA, Water Planning Division.