

A Global Database of Litterfall and Litter Pool Carbon and Nutrients

Supporting Documentation -- Code Definitions

Olson Ecosystem Codes

Holdridge Life Zone Codes

Matthews Code of Vegetation Types

Olson Ecosystem Codes

0	Water
20	Main Taiga
21	Main Taiga
22	Cool Conifer Forest
23	Cool Hardwood -- Conifer Forest
24	Deciduous Forest -- Warm Woods with Conifers
25	Deciduous (Summer Green) Forest
26	Partly Deciduous Forest (Southern Temperate)
27	Warm/Hot Conifer
28	Tropical Montane Complexes
29	Tropical/Subtropical Broad-Leaved Humid Forest
30	Cool Crop, Settlement & Commercial Land
31	Warm Crop, Settlement & Commercial Land
32	Tropical Dry Forest & Woodland
33	Tropical/Subtropical Broad-Leaved Humid Forest
36	Paddylands & Associated Crops
37	Warm/Hot Irrigated Dryland
38	Cool Irrigated Dryland
39	Cold Irrigated Dryland
40	Cool Grassland-Scrub
41	Warm/Hot Scrub & Grassland
42	Tibetan Meadows/Siberian Parklands
43	Tropical Savanna & Woodlands
44	Bog/Mire of Cool or Cold Climates
45	Warm/Hot Wetlands Swamp/Marsh
46	Mediterranean Types
47	Other Dry/Highland Tree/Shrub Types
48	Semiarid Woodland
49	Sparse
50	Sand Desert
51	Desert & Semidesert
52	Semidesert Scrub
53	Tundra
54	Tundra
55	Field-Woods Complexes
56	Forest-Field Complexes
57	Forest-Field Complexes
58	Field-Woods Complexes
59	Succulent & Thorn Woods & Scrub
60	Southern Continental Taiga
61	Southern Continental Taiga
62	Northern/Maritime Taiga
63	Wooded Tundra
64	Heath & Moorland

- 65 Shore & Hinterlands Complexes
- 66 Shore & Hinterlands Complexes
- 67 Shore & Hinterlands Complexes
- 68 Shore & Hinterlands Complexes
- 69 Polar/Rock Desert
- 70 Ice
- 71 Desert & Semidesert
- 75 Unclassified

Olson, J. S., J. A. Watts and L. J. Allison, 1983. Carbon in Live Vegetation of Major World Ecosystems, Report ORNL-5862, Oak Ridge National Laboratory, Oak Ridge, Tennessee, USA

Holdridge Life Zone Codes

- 2 Dry tundra
- 3 Moist tundra
- 4 Wet tundra
- 5 Rain tundra
- 6 Boreal desert
- 7 Boreal dry bush
- 8 Boreal moist forest
- 9 Boreal wet forest
- 10 Boreal rain forest
- 11 Cool temperate desert
- 12 Cool temperate desert bush
- 13 Cool temperate steppe
- 14 Cool temperate moist forest
- 15 Cool temperate wet forest
- 16 Cool temperate rain forest
- 17 Warm temperate desert
- 18 Warm temperate desert bush
- 19 Warm temperate thorn steppe
- 20 Warm temperate dry forest
- 21 Warm temperate moist forest
- 22 Warm temperate wet forest
- 23 Warm temperate rain forest
- 24 Subtropical desert
- 25 Subtropical desert bush
- 26 Subtropical thorn woodland
- 27 Subtropical dry forest
- 28 Subtropical moist forest
- 29 Subtropical wet forest
- 30 Subtropical rain forest
- 31 Tropical desert
- 32 Tropical desert bush
- 33 Tropical thorn woodland
- 34 Tropical very dry forest
- 35 Tropical dry forest
- 36 Tropical moist forest
- 36 Tropical wet forest
- 38 Tropical rain forest

Leemans, Rik, 1990. Global data sets collected and compiled by the Biosphere Project, Working Paper, IIASA-Laxenburg, Austria.

Matthews Code	Vegetation Types
1	TROPICAL EVERGREEN RAINFOREST
2	TROP/SUBTROP. EVERGREEN SEASONAL BROAD-LEAVED FOREST
3	SUBTROPICAL EVERGREEN RAINFOREST
4	TEMPERATE/SUBPOLAR EVERGREEN RAINFOREST
5	TEMPERATE EVERGREEN SEASONAL BROADLEAVED FOREST, SUMMER RAIN
6	EVERGREEN BROADLEAVED SCLEROPHYLLOUS FOREST, WINTER RAIN
7	TROP/SUBTROP EVERGREEN NEEDLE-LEAVED FOREST
8	TEMP/SUBPOLAR EVERGREEN NEEDLE-LEAVED FOREST
9	TROP/SUBTROP DROUGHT-DECIDUOUS FOREST
10	COLD-DECIDUOUS FOREST, WITH EVERGREENS
11	COLD-DECIDUOUS FOREST, WITHOUT EVERGREENS
12	XEROMORPHIC FOREST/WOODLAND
13	EVERGREEN BROADLEAVED SCLEROPHYLLOUS WOODLAND
14	EVERGREEN NEEDLELEAVED WOODLAND
15	TROPICAL/SUBTROPICAL DROUGHT-DECIDUOUS WOODLAND
16	COLD-DECIDUOUS WOODLAND
17	EVERGRN BROADLEAVED SHRUBLAND/THICK, EVERGRN DWARF-SHRUBLAND
18	EVERGREEN NEEDLELEAVED OR MICROPHYLLOUS SHRUBLAND/THICKET
19	DROUGHT-DECIDUOUS SHRUBLAND/THICKET
20	COLD-DECIDUOUS SUBALPINE/SUBPOLAR SHRUBLAND/ DWARF SHRUB
21	XEROMORPHIC SHRUBLAND/DWARF SHRUBLAND
22	ARCTIC/ALPINE TUNDRA, MOSSY BOG
23	TALL/MEDIUM/SHORT GRASSLAND, 10-40% WOODY COVER
24	TALL/MEDIUM/SHORT GRASSLAND, <10% WOODY COVER
25	TALL/MEDIUM/SHORT GRASSLAND, SHRUB COVER
26	TALL GRASSLAND, NO WOODY COVER
27	MEDIUM GRASSLAND, NO WOODY COVER
28	MEADOW, SHORT GRASSLAND, NO WOODY COVER
29	FORB FORMATIONS
30	DESERT
31	ICE
32	CULTIVATION

GLOBAL DISTRIBUTION OF VEGETATION AT 1X1 RESOLUTION
32 VEGETATION TYPES

REFERENCE:

Matthews, E., 1983, Global vegetation and land use: New high-resolution data bases for climate studies, J. Clim. Appl. Meteor., 22, 474-487.

Matthews, E., 1984, Prescription of land-surface boundary conditions in GISS GCM II: a simple method based on high-resolution vegetation data sets, NASA Technical Memorandum 86096, June 1984.