

SALVIAS – the SALVIAS vegetation inventory database

Brian Enquist & Bradley Boyle

Abstract: The SALVIAS vegetation inventory database (<http://www.salvias.net>; GIVD ID 00-00-003) is a compilation of 13,661 vegetation inventories from around the world, with emphasis on the Americas. 12,962 inventories from the USA are shared with VegBank (<http://www.vegbank.org>); the remaining 699 inventories are mostly tropical forest plots from Mexico and Central and South America, and are available only via SALVIAS. The majority of the plots unique to SALVIAS contain individual measurements of trees, shrubs, lianas and hemiepiphytes, rather than aggregate observations (counts or percent cover). The two most common methods represented are 0.1 ha transects with a minimum stem diameter of 2.5 cm (523 plots) and 1 ha tree plots with a minimum stem diameter of 10 cm dbh (63 plots). The SALVIAS database also contains a taxonomically-standardized version of the Alwyn Gentry Forest Transects, also available in its original form for the Missouri Botanical Gardens website (<http://www.mobot.org/MOBOT/research/gentry/transect.shtml>)

Keywords: Central America; Mexico; South America; tree plot; tropical forest.

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| GIVD Database ID: 00-00-003 | | Last update: 2012-07-26 |
| SALVIAS | | |
| Scope: SALVIAS is a global repository of vegetation inventories, with emphasis on North and South America. We accept vegetation plots of any methodology, including both aggregate observations (relevés, vegetation cover plots), individual-based sample (tree plots) and dimensionless samples such as line-intercept. | | |
| Status: completed and continuing | Period: 1971-2005 | |
| Database manager(s): Bradley Boyle (bboyle@email.arizona.edu) | | |
| Owner: Brian J. Enquist (University of Arizona), University of Arizona - Dept of EEB, PO Box 210088 | | |
| Web address: http://www.salvias.net/ | | |
| Availability: free online | Online upload: no | Online search: yes |
| Database format(s): MySQL | Export format(s): CSV file | |
| Publication: [NA] | | |
| Plot type(s): normal plots | Plot-size range: 100-10,000 m ² | |
| Non-overlapping plots: 13,661 | Estimate of existing plots: 13,661 | Completeness: 100% |
| Total plot observations: 13,661 | Number of sources: 21 | Valid taxa: 9,946 |
| Countries: AR: 0.4%; AU: 0.1%; BO: 33.6%; BR: 1.4%; CA: 0.7%; CF: 0.3%; CL: 0.4%; CM: 0.4%; CO: 5.0%; CR: 8.2%; CU: 0.1%; DO: 0.1%; EC: 4.7%; FI: 0.3%; GA: 0.4%; GF: 0.1%; GY: 0.1%; ID: 4.0%; IN: 0.5%; JM: 0.3%; JP: 0.1%; MG: 0.9%; MU: 0.1%; MX: 4.4%; MY: 0.7%; NC: 0.1%; NG: 0.1%; NI: 0.3%; PA: 0.4%; PE: 23.3%; PG: 0.4%; PR: 0.3%; PY: 0.1%; US: 4.4%; UY: 0.6%; VE: 0.7% | | |
| Forest: 5% — Non-forest: [NA] | | |
| Guilds: all vascular plants: 9%; only trees and shrubs: 81%; non-terricolous taxa (epiphytic, saxicolous, lignicolous): 1% | | |
| Environmental data: altitude: 99%; slope aspect: 20%; slope inclination: 25%; other soil attributes: 15%; soil pH: 15% | | |
| Performance measure(s): cover: 1%; measurements like diameter or height of trees: 99% | | |
| Geographic localisation: GPS coordinates (precision 25 m or less): 95%; point coordinates less precise than GPS, up to 1 km: 5% | | |
| Sampling periods: [NA] | | |
| <i>Information as of 2012-07-26; further details and future updates available from http://www.givd.info/ID/00-00-003</i> | | |

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