**Short Database Report**

# Vegetation Database of Central New Mexico – desert grass- and shrubland net-primary production quadrat data

Esteban Muldavin & John Mulhouse

**Abstract**: The Vegetation Database of Central New Mexico (GIVD ID NA-US-011) is part of a long-term study to monitor net primary production across three distinct ecosystems in central New Mexico, United States: creosote dominant shrubland, black grama dominant grassland, and blue grama dominant grassland. Since 1999, sampling of permanent 1m x 1m plots has been performed twice per year (spring/autumn) within black grama grassland and three times per year (spring/autumn/winter) within creosote shrubland. Since 2002, sampling has also been performed twice per year (spring/autumn) within blue grama grassland. This sampling of 120 plots (40 per ecosystem) remains ongoing at the Sevilleta National Wildlife Refuge, Socorro County, New Mexico. Species are later harvested from adjacent areas to determine biomass and results have documented vegetation dynamics within and between these ecosystems.

**Keywords:** black grama; blue grama; creosote; Chihuahuan Desert; Sevilleta; United States.

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| **GIVD Database ID:** NA-US-011 | | **Last update:** 2012-07-09 |
| **Vegetation Database of Central New Mexico** | | |
| **Scope:** A long-term study to monitor net primary production across three distinct ecosystems: creosote dominant shrubland, black grama dominant grassland, and blue grama dominant grassland. Since 1999, sampling of permanent plots has been performed twice per year (spring/autumn) within black grama grassland and three times per year (spring/autumn/winter) within creosote shrubland. Since 2002, sampling has been performed twice per year (spring/autumn) within blue grama grassland. Sampling is ongoing. | | |
| **Status:** completed and continuing | **Period:** 1999-2011 | |
| **Database manager(s):** John Mulhouse (mulhouse@sevilleta.unm.edu) | | |
| **Owner:** Sevilleta LTER | | |
| **Web address:** http://sev.lternet.edu/data/sev-129 | | |
| **Availability:** free online | **Online upload:** yes | **Online search:** yes |
| **Database format(s):** csv | **Export format(s):** CSV file | |
| **Publication:** Muldavin EH, Moore DI, Collins SL, Wetherill KR, Lightfoot DC. 2008. Aboveground net primary production dynamics in a Northern Chihuahuan Desert ecosystem. Oecologia. 155:123-132. | | |
| **Plot type(s):** normal plots | **Plot-size range:** 1-1 m² | |
| **Non-overlapping plots:** 120 | **Estimate of existing plots:** 120 | **Completeness:** 100% |
| **Total plot observations:** 120 | **Number of sources:** [NA] | **Valid taxa:** 138 |
| **Countries:** US: 100.0% | | |
| **Forest:** [NA] — **Non-forest:** [NA] | | |
| **Guilds:** all vascular plants: 100% | | |
| **Environmental data:** [NA] | | |
| **Performance measure(s):** cover: 50%; number of individuals: 50% | | |
| **Geographic localisation:** [NA] | | |
| **Sampling periods:** [NA] | | |
| ***Information as of 2012-07-12; further details and future updates available from http://www.givd.info/ID/NA-US-011*** | | |

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