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## Short Database Report

# Jasper Ridge Woody Plant Community Database

William K. Cornwell & David Ackerly

**Abstract:** We sampled environmental variables and woody plant communities in 44 20x20-meter plots across the varied topography of a coastal California landscape. We characterized abundance of woody species in terms of cover, number of individuals, and diameter at breast height for large trees. We also measured 14 leaf, stem, and root traits for 54 woody plant species, including detailed intraspecific data for two traits with the goal of understanding the connection between traits and assembly processes in a variety of environmental conditions. Vegetation types in this dataset range from riparian forest to oak woodland to chaparral, with a dramatic gradient in the stature of the canopy. This report describes the available content in the Jasper Ridge Woody Plant Community Database (GIVD ID NA-US-003).

**Keywords:** California; chapparal; trait; woody plant.

GIVD Database ID: NA-US-003		Last update: 2011-07-06	
<b>Jasper Ridge Woody Plant Community Database</b>			
<b>Scope:</b> 44 20 x 20 m plots of the woody vegetation of coastal California. Vegetation types range from riparian forest to oak woodland to chaparral.			
<b>Status:</b> finished		<b>Period:</b> 2002-2002	
<b>Database manager(s):</b> William K. Cornwell (wcornwell@gmail.com), David D. Ackerly (dackerly@berkeley.edu)			
<b>Owner:</b> Will Cornwell			
<b>Web address:</b> <a href="http://www.phylodiversity.net/wcornwell/">http://www.phylodiversity.net/wcornwell/</a>			
<b>Availability:</b> free upon request		<b>Online upload:</b> no	<b>Online search:</b> no
<b>Database format(s):</b> text files		<b>Export format(s):</b> plain text file	
<b>Publication:</b> Cornwell, W.K. and Ackerly D.D. 2009. Community assembly and shifts in the distribution of trait values across an environmental gradient in coastal California. <i>Ecological Monographs</i> 79: 109-126			
<b>Plot type(s):</b> normal plots		<b>Plot-size range:</b> 400-400 m <sup>2</sup>	
<b>Non-overlapping plots:</b> 44	<b>Estimate of existing plots:</b> 44	<b>Completeness:</b> 100%	
<b>Total plot observations:</b> 44	<b>Number of sources:</b> 1	<b>Valid taxa:</b> 54	
<b>Countries:</b> US: 100.0%			
<b>Forest:</b> [NA] — <b>Non-forest:</b> [NA]			
<b>Guilds:</b> only trees and shrubs: 100%			
<b>Environmental data:</b> altitude: 100%; slope aspect: 100%; slope inclination: 100%; microrelief: 100%; surface cover other than plants (open soil, litter, bare rock etc.): 100%; other soil attributes: 100%			
<b>Performance measure(s):</b> cover: 100%; number of individuals: 100%; measurements like diameter or height of trees: 100%			
<b>Geographic localisation:</b> GPS coordinates (precision 25 m or less): 100%			
<b>Sampling periods:</b> [NA]			
<i>Information as of 2012-07-12; further details and future updates available from <a href="http://www.givd.info/ID/NA-US-003">http://www.givd.info/ID/NA-US-003</a></i>			

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