Supplementary Table 1: Input and output data for deriving 10Be production rates

Sample	Latitude	Longitude	Elevation (m)	Density (g cm-3)	Shielding correction	10Be concentration (atoms g-1)	Uncertainty in 10Be concentration (atoms g-1)	Name of Be-10 standardization
CNR01	53.120397	-1.0776693	98.692	2.2	0.9999999	35266	2364	NIST_27900
CNR02	53.120397	-1.0776693	98.692	2.2	0.9999999	22683	1586	NIST_27900
CNR03	53.119885	-1.0776654	99.275	2.2	0.999999914	54380	2030	NIST_27900
CNR04	53.119885	-1.0776654	99.275	2.2	0.999999914	30064	1850	NIST_27900
CNR05	53.119543	-1.0776727	97.893	2.2	0.999999036	45603	1833	NIST_27900
CNR06	53.119543	-1.0776727	97.893	2.2	0.999999036	28876	1661	NIST_27900
CNR07	53.119049	-1.0776833	95.707	2.2	0.999983383	32738	2006	NIST_27900
CNR08	53.119049	-1.0776833	95.707	2.2	0.999983383	25237	1562	NIST_27900
CNR09	52.509543	-2.3789442	70.545	2.2	0.999997151	24507	1696	NIST_27900
CNR10	52.508158	-2.3791828	65.318	2.2	0.999997132	24811	1333	NIST_27900
CNR11	52.507951	-2.3791515	58.93	2.2	0.996952004	31263	2035	NIST_27900
CNR12	52.507655	-2.3788101	50.099	2.2	0.998592656	41276	1522	NIST_27900

Sample	Spallation attenuation length (g/cm2)	Fast muons attenuation length (g/cm2)	Stopping muons attenuation length (g/cm2)	Spallation Be-10 production rate (at/g/year)	Fast muons Be-10 production rate (at/g/year)	Stopping muons Be-10 production rate (at/g/year)
CNR01	160	2265	1309	4.5533	0.038155	0.040034
CNR02	160	2265	1309	4.5533	0.038155	0.040034
CNR03	160	2265	1309	4.556	0.03816	0.040045
CNR04	160	2265	1309	4.556	0.03816	0.040045
CNR05	160	2266	1310	4.5495	0.038148	0.040019
CNR06	160	2266	1310	4.5495	0.038148	0.040019
CNR07	160	2267	1311	4.5391	0.038129	0.039978
CNR08	160	2267	1311	4.5391	0.038129	0.039978
CNR09	160	2281	1324	4.4115	0.037891	0.03946
CNR10	160	2283	1327	4.3873	0.037846	0.039364
CNR11	160	2286	1330	4.3446	0.037792	0.039246
CNR12	160	2291	1335	4.3113	0.037716	0.039083

a. Production rate data (CRONUS v2.3 output, St scheme, Surface, no shielding correction)

Sample	Be-10 decay constant (year^-1)	Spallation Be-10 production rate (at/g/year)	Fast muons Be-10 production rate (at/g/year)	Stopping muons Be-10 production rate (at/g/year)
CNR01	4.9975E-07	0.540	0.033	0.031
CNR02	4.9975E-07	0.272	0.031	0.028
CNR03	4.9975E-07	2.139	0.036	0.037
CNR04	4.9975E-07	1.075	0.034	0.034
CNR05	4.9975E-07	2.450	0.037	0.037
CNR06	4.9975E-07	1.232	0.035	0.034
CNR07	4.9975E-07	0.934	0.034	0.033
CNR08	4.9975E-07	0.470	0.032	0.030
CNR09	4.9975E-07	0.561	0.033	0.031
CNR10	4.9975E-07	1.460	0.035	0.034
CNR11	4.9975E-07	1.442	0.035	0.034
CNR12	4.9975E-07	1.249	0.035	0.034

a. Production rate at sample depth (Shielding-corrected spallation)

Supplementary Table 2: Globally compiled inventory of mantled soil formation rates

Reference	Publication Year	Sampling Location	MAT (degrees C)	Climate	Koppen Climate Code	Lithology	Vegetation	Sampling Depth (cm)	Soil Formation Rate (mm yr-1)	Uncertainty ± (mm yr-1)
Heimsath et al	1997	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone (Sedimentary)	Coastal Grassland/Scrub	16	0.047	0.02
Heimsath et al	1997	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone (Sedimentary)	Coastal Grassland/Scrub	35	0.026	0.00
Heimsath et al	1997	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone (Sedimentary)	Coastal Grassland/Scrub	58	0.021	0.00
Heimsath et al	1997	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone (Sedimentary)	Coastal Grassland/Scrub	51	0.025	0.00
Heimsath et al	1997	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone (Sedimentary)	Coastal Grassland/Scrub	30	0.060	0.02
Heimsath et al	1997	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone (Sedimentary)	Coastal Grassland/Scrub	49	0.026	0.01
Heimsath et al	1997	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone (Sedimentary)	Coastal Grassland/Scrub	20	0.048	0.01
Heimsath et al	1997	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone (Sedimentary)	Coastal Grassland/Scrub	35	0.033	0.01
Heimsath et al	1997	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone (Sedimentary)	Coastal Grassland/Scrub	60	0.027	0.01
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.014	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.014	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.015	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.013	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.013	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.013	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.016	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.016	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.018	0.01
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.015	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.014	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.014	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.015	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.013	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.012	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.011	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.016	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.015	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.017	0.00
Small et al	1999	Wind River Range, Wyoming	1.91	Tropical/Subtropical Steppe	Bsk	Granite / Gneiss (Igneous and Metamorphic)	Bare	7.5	0.014	0.00
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	15	0.130	0.03
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	15	0.174	0.03
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	87.5	0.015	0.00
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	42	0.069	0.01
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	42	0.091	0.02
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	25	0.204	0.04
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	100	0.015	0.00
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	95	0.044	0.01
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	92	0.027	0.01
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	145	0.119	0.04
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	145	0.115	0.03
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	145	0.117	0.01
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	95	0.034	0.01
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	75	0.045	0.01
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	82	0.038	0.01
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	60	0.057	0.01
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	60	0.064	0.01
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	35	0.113	0.02
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	25	0.118	0.03
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	58	0.034	0.00
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	43	0.106	0.02
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	10	0.155	0.02
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	12	0.169	0.02
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	12	0.239	0.08
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	25	0.321	0.10
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	25	0.359	0.12
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	30	0.187	0.03
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	30	0.216	0.04
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	35	0.069	0.01
Heimsath et al	2001	Coos Bay, Oregon Coast Range, Oregon	9.5	Warm Summer Mediterranean	Csb	Turbidite Sandstone/Siltstone (Sedimentary)	Fir Trees	35	0.069	0.01
Heimsath et al	1999	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone, Chert (Sedimentary)	Grassland, Scrub, Oak	16	0.047	0.02
Heimsath et al	1999	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone, Chert (Sedimentary)	Grassland, Scrub, Oak	35	0.026	0.00
Heimsath et al	1999	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone, Chert (Sedimentary)	Grassland, Scrub, Oak	58	0.021	0.00
Heimsath et al	1999	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone, Chert (Sedimentary)	Grassland, Scrub, Oak	51	0.025	0.00
Heimsath et al	1999	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone, Chert (Sedimentary)	Grassland, Scrub, Oak	30	0.060	0.02
Heimsath et al	1999	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone, Chert (Sedimentary)	Grassland, Scrub, Oak	49	0.026	0.01

Heimsath et al	1999	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone, Chert (Sedimentary)	Grassland, Scrub, Oak	20	0.048	0.01
Heimsath et al	1999	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone, Chert (Sedimentary)	Grassland, Scrub, Oak	35	0.033	0.01
Heimsath et al	1999	Tennessee Valley, California	15.9	Humid Subtropical	Cfa	Greywacke, Sandstone, Chert (Sedimentary)	Grassland, Scrub, Oak	60	0.027	0.01
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	90	0.009	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	10	0.046	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	12	0.048	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	60	0.021	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	42	0.020	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	30	0.035	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	28	0.026	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	40	0.021	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	47	0.019	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	22	0.057	0.01
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	52	0.015	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	15	0.029	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	66	0.022	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	40	0.026	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	110	0.011	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	160	0.010	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	20	0.023	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	140	0.010	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	250	0.009	0.00
Heimsath et al	2000	Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	10	0.026	0.00
Wilkinson et al	2005	Marrangaroo Creek, Blue Mtns, Australia	10.55	Humid Subtropical	Cfa	Ferruginized Sandstone (Sedimentary)	Heath	5	0.018	0.03
Wilkinson et al	2005	Marrangaroo Creek, Blue Mtns, Australia	10.55	Humid Subtropical	Cfa	Saprolitic coarse sandstone (Sedimentary)	Heath	40	0.017	0.02
Wilkinson et al	2005	Marrangaroo Creek, Blue Mtns, Australia	10.55	Humid Subtropical	Cfa	Ferruginized Sandstone (Sedimentary)	Forest	25	0.011	0.01
Wilkinson et al	2005	Marrangaroo Creek, Blue Mtns, Australia	10.55	Humid Subtropical	Cfa	Soft Saprolitic Sandstone (Sedimentary)	Forest	55	0.010	0.01
Wilkinson et al	2005	Marrangaroo Creek, Blue Mtns, Australia	10.55	Humid Subtropical	Cfa	Soft Saprolitic Sandstone (Sedimentary)	Forest	50	0.013	0.01
Wilkinson et al	2005	Marrangaroo Creek, Blue Mtns, Australia	10.55	Humid Subtropical	Cfa	Saprolite (Sedimentary)	Forest	55	0.010	0.01
Wilkinson et al	2005	Marrangaroo Creek, Blue Mtns, Australia	10.55	Humid Subtropical	Cfa	Saprolite (Sedimentary)	Forest	60	0.009	0.01
Wilkinson et al	2005	Marrangaroo Creek, Blue Mtns, Australia	10.55	Humid Subtropical	Cfa	Soft Saprolitic Sandstone (Sedimentary)	Forest	87	0.011	0.01
Wilkinson et al	2005	Marrangaroo Creek, Blue Mtns, Australia	10.55	Humid Subtropical	Cfa	Ferruginized Sandstone (Sedimentary)	Forest	30	0.012	0.01
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	25	0.049	0.00
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	37	0.049	0.00
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	40	0.026	0.00
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	50	0.012	0.00
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	65	0.011	0.00
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	120	0.005	0.00
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	300	0.028	0.00
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	30	0.027	0.00
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	320	0.016	0.00
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	20	0.005	0.00
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	250	0.004	0.00
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	170	0.004	0.00
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	100	0.004	0.00
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	10	0.004	0.00
Heimsath et al	2001a	Frogs Hollow, Canberra	13.25	Marine West Coast Climate	Cfb	Metasediments/Granites (Igneous/Metamorphic)	Dry schlerophyll forest/grassland	200	0.004	0.00
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		5	0.373	0.03
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		38	0.068	0.01
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		30	0.251	0.05
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		23	0.078	0.02
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		30	0.021	0.01
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		43	0.048	0.01
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		36	0.051	0.01
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		15	0.164	0.03
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		15	0.113	0.02
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		10	0.106	0.02
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		44	0.063	0.02
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		27	0.044	0.01
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		34	0.044	0.01
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		10	0.138	0.03
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		20	0.090	0.02
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		44	0.043	0.01
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		54	0.050	0.01
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		45	0.012	0.00
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		16	0.068	0.01
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		10	0.069	0.01
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		15	0.072	0.01
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		10	0.109	0.02

Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		28	0.069	0.01
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		12	0.093	0.02
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		20	0.084	0.02
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		20	0.121	0.02
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		24	0.156	0.03
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		49	0.010	0.00
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		50	0.046	0.01
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		35	0.071	0.02
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		25	0.427	0.15
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		5	0.315	0.06
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		7	0.266	0.05
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		13	0.210	0.04
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		3	0.210	0.04
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		20	0.092	0.02
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		5	0.132	0.03
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		3	0.146	0.03
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		3	0.178	0.03
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		12	0.083	0.02
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		12	0.098	0.02
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		8	0.594	0.13
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		25	0.079	0.02
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		8	0.338	0.09
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		10	0.329	0.07
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		20	0.166	0.03
Heimsath et al	2012	San Gabriel Mountains, California	18.3	Warm Summer Mediterranean	Csb	Granitic and Metamorphic (Igneous/Metamorphic)		5	0.163	0.03
Riggins et al.	2011	Bodmin Moor, UK	10	Maritime temperate	Cfb	Granite (Igneous)	Grasses	75	0.013	0.00
Riggins et al.	2011	Bodmin Moor, UK	10	Maritime temperate	Cfb	Granite (Igneous)	Grasses	79	0.016	0.00
Riggins et al.	2011	Bodmin Moor, UK	10	Maritime temperate	Cfb	Granite (Igneous)	Grasses	40	0.015	0.00
Riggins et al.	2011	Bodmin Moor, UK	10	Maritime temperate	Cfb	Granite (Igneous)	Grasses	30	0.020	0.00
Riggins et al.	2011	Bodmin Moor, UK	10	Maritime temperate	Cfb	Granite (Igneous)	Grasses	80	0.010	0.00
Dixon et al.	2009	Sierra Nevada Range; Blasingame	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Sparsely Vegetated	6	0.033	0.01
Dixon et al.	2009	Sierra Nevada Range; Blasingame	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Sparsely Vegetated	25	0.063	0.00
Dixon et al.	2009	Sierra Nevada Range; Blasingame	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Sparsely Vegetated	27	0.052	0.01
Dixon et al.	2009	Sierra Nevada Range; Blasingame	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Sparsely Vegetated	40	0.035	0.00
Dixon et al.	2009	Sierra Nevada Range; Blasingame	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Sparsely Vegetated	45	0.047	0.00
Dixon et al.	2009	Sierra Nevada Range; Blasingame	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Sparsely Vegetated	53	0.030	0.00
Dixon et al.	2009	Sierra Nevada Range; Blasingame	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Sparsely Vegetated	75	0.026	0.00
Dixon et al.	2009	Sierra Nevada Range; White Bark	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Grassland	53	0.035	0.00
Dixon et al.	2009	Sierra Nevada Range; White Bark	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Grassland	64	0.033	0.00
Dixon et al.	2009	Sierra Nevada Range; White Bark	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Grassland	70	0.017	0.00
Dixon et al.	2009	Sierra Nevada Range; White Bark	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Grassland	110	0.033	0.00
Dixon et al.	2009	Sierra Nevada Range; White Bark	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Grassland	75	0.020	0.00
Dixon et al.	2009	Sierra Nevada Range; White Bark	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Grassland	75	0.024	0.00
Dixon et al.	2009	Sierra Nevada Range; White Bark	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Grassland	60	0.018	0.00
Dixon et al.	2009	Sierra Nevada Range; White Bark	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Grassland	90	0.036	0.00
Dixon et al.	2009	Sierra Nevada Range; White Bark	3.9 - 16.6	Warm Summer Mediterranean	Csb	Grandiorite (Igneous)	Grassland	80	0.020	0.00
Owen et al	2009	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	10	0.001	
Owen et al	2009	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	36	0.001	
Owen et al	2009	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	95	0.001	
Owen et al	2009	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	35	0.001	
Owen et al	2009	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	57	0.001	
Owen et al	2009	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	9	0.001	
Owen et al	2009	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	92	0.000	
Owen et al	2009	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	7	0.001	
Owen et al	2009	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	75	0.001	
Owen et al	2009	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	57	0.001	
Heimsath et al.	2005	Point Reyes, California	11.4	Warm Summer Mediterranean	Csb	Granitic , quartz diorite and granodiorite (Igneous)	Pine Trees, grassland and scrub	80	0.028	0.00
Heimsath et al.	2005	Point Reyes, California	11.4	Warm Summer Mediterranean	Csb	Granitic , quartz diorite and granodiorite (Igneous)	Pine Trees, grassland and scrub	25	0.049	0.01
Heimsath et al.	2005	Point Reyes, California	11.4	Warm Summer Mediterranean	Csb	Granitic , quartz diorite and granodiorite (Igneous)	Pine Trees, grassland and scrub	20	0.054	0.01
Heimsath et al.	2005	Point Reyes, California	11.4	Warm Summer Mediterranean	Csb	Granitic , quartz diorite and granodiorite (Igneous)	Pine Trees, grassland and scrub	57	0.036	0.00
Heimsath et al.	2005	Point Reyes, California	11.4	Warm Summer Mediterranean	Csb	Granitic , quartz diorite and granodiorite (Igneous)	Pine Trees, grassland and scrub	75	0.018	0.00
Heimsath et al.	2005	Point Reyes, California	11.4	Warm Summer Mediterranean	Csb	Granitic , quartz diorite and granodiorite (Igneous)	Pine Trees, grassland and scrub	47	0.050	0.01
Heimsath et al.	2005	Point Reyes, California	11.4	Warm Summer Mediterranean	Csb	Granitic , quartz diorite and granodiorite (Igneous)	Pine Trees, grassland and scrub	108	0.011	0.00
Heimsath et al.	2005	Point Reyes, California	11.4	Warm Summer Mediterranean	Csb	Granitic , quartz diorite and granodiorite (Igneous)	Pine Trees, grassland and scrub	93	0.022	0.00
Heimsath et al.	2005	Point Reyes, California	11.4	Warm Summer Mediterranean	Csb	Granitic , quartz diorite and granodiorite (Igneous)	Pine Trees, grassland and scrub	10	0.059	0.01
Heimsath et al.	2005	Point Reyes, California	11.4	Warm Summer Mediterranean	Csb	Granitic , quartz diorite and granodiorite (Igneous)	Pine Trees, grassland and scrub	27	0.058	0.01
Heimsath et al.	2009	Tin Camp Creek, Arnhem Land, Australia	20.6 - 32.1	Tropical Savannah	Aw	Sandstone (Sedimentary)	Dry schlerophyll forest/grassland	40	0.019	0.00
Heimsath et al.	2009	Tin Camp Creek, Arnhem Land, Australia	20.6 - 32.1	Tropical Savannah	Aw	Sandstone (Sedimentary)	Dry schlerophyll forest/grassland	45	0.022	0.00
Heimsath et al.	2009	Tin Camp Creek, Arnhem Land, Australia	20.6 - 32.1	Tropical Savannah	Aw	Sandstone (Sedimentary)	Dry schlerophyll forest/grassland	70	0.011	0.00

Heimsath et al.	2009	Tin Camp Creek, Arnhem Land, Australia	20.6 - 32.1	Tropical Savannah	Aw	Sandstone (Sedimentary)	Dry schlerophyll forest/grassland	55	0.016	0.01
Heimsath et al.	2009	Tin Camp Creek, Arnhem Land, Australia	20.6 - 32.1	Tropical Savannah	Aw	Sandstone (Sedimentary)	Dry schlerophyll forest/grassland	50	0.013	0.00
Heimsath et al.	2009	Tin Camp Creek, Arnhem Land, Australia	20.6 - 32.1	Tropical Savannah	Aw	Sandstone (Sedimentary)	Dry schlerophyll forest/grassland	38	0.023	0.01
Heimsath et al.	2009	Tin Camp Creek, Arnhem Land, Australia	20.6 - 32.1	Tropical Savannah	Aw	Sandstone (Sedimentary)	Dry schlerophyll forest/grassland	35	0.020	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	4.5	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	5	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	24	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	9	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	7	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	36	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	57	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	70	0.000	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	75	0.000	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	80	0.000	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	2.5	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	2	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	2	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	4	0.002	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	2	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	3.5	0.002	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	2	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	3.5	0.000	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	2.5	0.002	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	3	0.000	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	4	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	11	0.000	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	44	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	15	0.002	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	22	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	22	0.001	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	25	0.002	0.00
Owen et al	2011	Atacama Desert, Chile	13.5 - 17	Arid Cold	Bwk	Volcanic, Plutonic and Metasedimentary (Igneous and Metamorphic)	Sparsely Vegetated	25	0.005	0.02
Heimsath et al.	2006	Brown Mountain, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	60	0.018	0.00
Heimsath et al.	2006	Brown Mountain, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	25	0.032	0.01
Heimsath et al.	2006	Brown Mountain, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	55	0.017	0.00
Heimsath et al.	2006	Brown Mountain, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	50	0.027	0.01
Heimsath et al.	2006	Brown Mountain, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	100	0.006	0.00
Heimsath et al.	2006	Brown Mountain, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	70	0.016	0.00
Heimsath et al.	2006	Brown Mountain, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	73	0.007	0.00
Heimsath et al.	2006	Snug, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	85	0.011	0.00
Heimsath et al.	2006	Snug, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	27	0.025	0.00
Heimsath et al.	2006	Snug, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	70	0.010	0.00
Heimsath et al.	2006	Snug, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	90	0.009	0.00
Heimsath et al.	2006	Snug, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	70	0.004	0.00
Heimsath et al.	2006	Snug, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	45	0.011	0.00
Heimsath et al.	2006	Snug, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	38	0.017	0.00
Heimsath et al.	2006	Snug, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	60	0.011	0.00
Heimsath et al.	2006	Snug, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	50	0.057	0.01
Heimsath et al.	2006	Snug, Bega Basin, SE Australia	15.2	Oceanic	Cfb	Granite/Granodiorite (Igneous)	Schlerophyll forest	70	0.007	0.00