

NUMERICAL DATA

Plant species diversity for vegetation restoration in manganese tailing wasteland (2018)

Changes of plant species diversity in three sites of manganese tailing wasteland

Changes of plant species diversity in three sites of manganese tailing wasteland							
Area	Time	Species number	Average height (cm)		Average total coverage (%)		Plant growth situation
Tailing site	2012	10	10	$\pm 1.2^f$	< 5	$\pm 0.7^e$	Poor
	2014	11	15	$\pm 2.3^e$	< 5	$\pm 1.1^d$	Poor
External-soil site	2012	14	20	$\pm 3.4^d$	35	$\pm 3.8^c$	Better
	2014	16	40	$\pm 5.7^c$	45	$\pm 5.3^b$	Better
Rehabilitation site	2012	21	35	$\pm 4.6^b$	95	$\pm 11.6^a$	Fine
	2014	21	65	$\pm 8.1^a$	98	$\pm 13.8^a$	Fine

Tailing site: exposed tailings, the control treatment; external-soil site: soil covering of 10-cm thickness; rehabilitation site: soil covering of 10-cm thickness, soil improving (adding fowl dung) and seeding propagation of *Cynodon dactylon* (Linn.) Pers.

Source: <https://www.ncbi.nlm.nih.gov/pubmed/29948686>

Integrating the Passenger-Driver hypothesis and plant community functional MARK traits to the restoration of lands degraded by invasive trees (2018)

Site details including location, vegetation type, *Pittosporum undulatum* density prior to removal, year of removal and climate.

Site name	Ref no.	Latitude	Longitude	Ecological vegetation	Initial <i>P. undulatum</i> density (%)	Year of <i>P. undulatum</i> removal	Mean annual rainfall (mm)	Elevation (m)
				complex (EVC)				
Wonga Park (WP)	1	-37.755709	145.283738	Grassy dry forest	50	2016	807.5	141
Greens Bush (GB)	2	-38.418634	144.958019	Damp sands herb rich woodlands	50	2015	779.4	176
Panton Hill (PH)	3	-37.642608	145.242843	Grassy dry forest	70	2014	688.5	181
Woods Reserve (WR)	4	-38.288326	145.091165	Lowland forest	50	2012	904.3	91
Birdsland Reserve (BR)	5	37.924444	145.340278	Grassy dry forest	30	2011	1113.6	170
Glenfern Valley	6	-47.909783	145.314540	Valley Grassy Forest	60	2010	1056.8	187
Bushlands (GFVB)								
Ferntree Gully (FTG)	7	-37.879164	145.306283	Grassy Dry Forest	50	2006	928.4	276
Red Hill (RH)	8	-38.401103	145.040113	Herb Rich Foothill Forest	60	2006	1008.9	114
Montrose (M)	9	-37.820394	145.346866	Grassy dry forest	60	2005	1031.9	409
Sherbrooke Forest (S)	10	-37.905239	145.369618	Wet Forest	50	2002	1261.5	495

Source: <https://www.sciencedirect.com/science/article/pii/S0378112717313956>

Toward Cost-Effective Restoration: Scaling up Restoration in Ecosystems Degraded by Nonnative Invasive Grass and Ungulates (2017)

Summary of Present Value of Restoration Costs for 30 yr Period for Three Classes of 1 ha Sites (Easy, Moderate, Difficult) in an Invasive Grass-Dominated Lowland Ecosystem on O‘ahu, Hawai‘i.

Restoration Costs US\$ 2015 (% Total)			
Parameter	1 ha Easy^a	1 ha Moderate^b	1 ha Difficult^c
Establishment	79.3%	79.3%	81.5%
Clearing	\$2,840 (1.5%)	\$5,240 (2.4%) ^{M1}	\$5,240 (1.7%) ^{D1}
Fence	\$26,803 (14.4%)	\$30,400 (13.8%) ^{M2}	\$35,110 (11.6%) ^{D2}
Herbicide	\$3,346 (1.8%)	\$3,783 (1.7%) ^{M3}	\$5,078 (1.7%) ^{D3}
Outplanting	\$93,141 (49.9%)	\$110,084 (49.9%) ^{M4}	\$164,718 (54.4%) ^{D4}
Replanting	\$21,950 (11.8%)	\$25,444 (11.5%) ^{M4}	\$36,742 (12.1%) ^{D4}
Maintenance	\$38,636 (20.7%)	\$45,546 (20.7%) ^{M5}	\$56,028 (18.5%) ^{D5}
Present Value	\$186,716	\$220,497	\$302,917
Cost per hectare	\$166,716 ha ⁻¹	\$220,497 ha ⁻¹	\$302,917 ha ⁻¹

Source: <https://muse.jhu.edu/article/671677/summary>