

Controlling European Beach Grass using Prescribed Burns and Herbicide

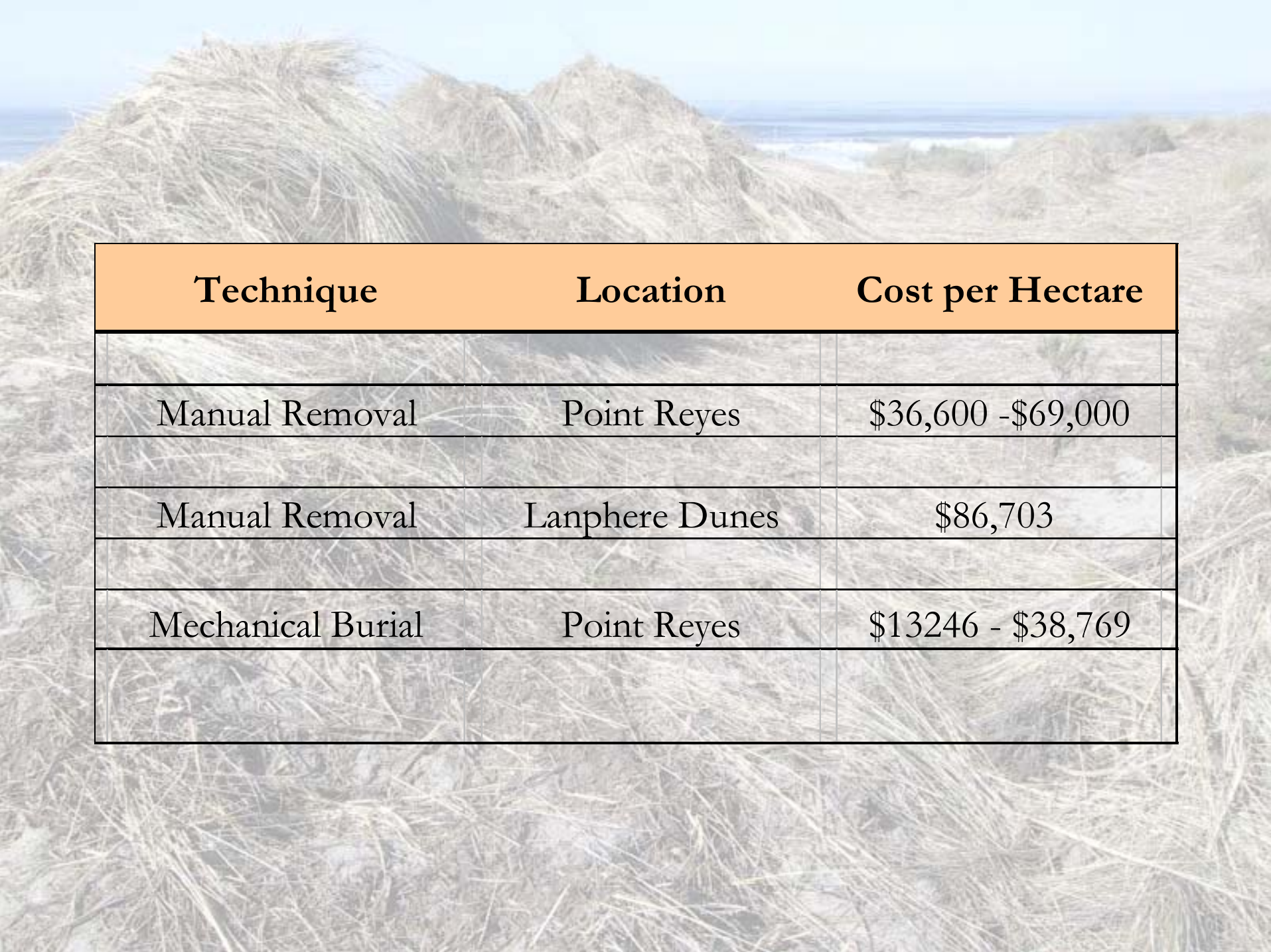












Technique	Location	Cost per Hectare
Manual Removal	Point Reyes	\$36,600 - \$69,000
Manual Removal	Lanphere Dunes	\$86,703
Mechanical Burial	Point Reyes	\$13246 - \$38,769



Staff	Task	Hours	Estimated Labor
Project manager	write burn plan, get permits	16 x 1 = 16	\$452.80
Hand crew	hand dig fire line	6 x 4 = 24	\$371.52
Burn boss	boss fire	5 x 1 = 5	\$201.55
Ignition crew	ignite fire	5 x 3 = 15	\$334.40
Engine crews	monitor fire	5 x 3 x 2 = 30	\$546.20
Hand crew	monitor fire	5 x 4 = 20	\$309.60
Patrol and mop up	monitor after engines leave	4 x 2 = 8	\$226.40
	Total	118 hours	\$2,442.47
	Estimated cost/ha		\$1,744.62









Staff	Task	Person Hours	Estimated Labor Cost
2 applicators	1st treatment after burn (100 gallons of 7% glyphosate in spray rig)	32	\$905.60
1 applicator	2nd treatment (15 gallons of 7% glyphosate in backpack sprayers)	24	\$679.20
1 applicator	3rd treatment (10 gallons of 7% glyphosate in backpack sprayers)	8	\$226.40
1 applicator	4th treatment (5 gallons of 7% glyphosate in backpack sprayers)	8	\$226.40
1 applicator	5th treatment (2.5 gallons of 7% glyphosate in backpack sprayer)	8	\$226.40
1 applicator	6th treatment (2.5 gallons of 7% glyphosate in backpack sprayer)	8	\$226.40
	Total	88 hours	\$2,490.40
	Estimated cost/ha		\$1,778.86



Total Cost Per Hectare: \$4,606



