

Supplementary Material

Table S1: List of native species planted by site

Latin name	Common name	Type	H1	H2	H3	H4	H5
<i>Asclepias speciosa</i>	Showy milkweed	Forb	x	x	x	x	x
<i>Aster chilensis</i>	Aster	Forb	x	x	x	x	x
<i>Lupinus albifrons</i>	Lupine	Forb	x	x	x	x	x
<i>Lupinus nanus</i>	Sky lupine	Forb		x			
<i>Oenothera hookeri</i>	Evening primrose	Forb		x			
<i>Achillea millefolium</i>	Common Yarrow	Forb		x			
<i>Artemisia douglasiana</i>	Sagewort	Forb		x			
<i>Clematis</i> sp.	Leather flower	Forb		x			
<i>Hibiscus lasiocarpus</i>	Ca Hybiscus	Forb		x			
<i>Baccharis pilularis</i>	Coyotebrush	Shrub	x	x	x	x	x
<i>Ceanothus cuneatus</i>	Deerbrush	Shrub	x	x	x	x	x
<i>Ceanothus</i> sp.		Shrub	x	x	x	x	x
<i>Eriogonum fasciculatum</i>	California buckwheat	Shrub	x	x	x	x	x
<i>Heteromeles arbutifolia</i>	Toyon	Shrub	x	x	x	x	x
<i>Rosa californica</i>	California wild rose	Shrub	x	x	x	x	x
<i>Salvia mellifera</i>	Sage	Shrub	x	x	x	x	x
<i>Atriplex lentiformis</i> ssp. <i>Breweri</i>	Quail Brush	Shrub	x	x	x	x	
<i>Rhamnus californica</i>	Coffeeberry	Shrub		x	x	x	x
<i>Baccharis salicifolia</i>	Mulesfat	Shrub	x	x		x	
<i>Epilobium</i> sp.	California fuschia	Shrub		x	x		
<i>Cercis occidentalis</i>	Redbud	Tree	x	x	x	x	x
<i>Sambucus mexicana</i>	Mexican elderberry	Tree	x	x	x		x
<i>Salix laevigata</i>	Red Willow	Tree	x	x			
<i>Cephalanthus occidentalis</i>	Buttonwillow	Tree		x			
<i>Populus fremontii</i>	Fremont cottonwood	Tree		x			
<i>Quercus lobata</i>	Valley oak	Tree		x			
<i>Quercus wislizenii</i>	Interior live oak	Tree		x			

Each site was also seeded with mixes of native forb species in small plots spaced along the hedgerow *Escholtzia californica*, *Grindelia camporum*, *Lupinus densiflorus*, *L. formosus*, *L. succulentus*, *Lotus purshianus*, *Phacelia californica*, *Trifolium fucatum* and *T. obtusiflorum*, as described in Wilkerson et al. 2014.

Table S2: Months of sampling (in numeric form) for each year at each site

		Year									
Site		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Hedgerows	H1	7,8	4,6,8	5 ⁺ ,6,8	4,6,8	-	5,6,7	5,6,8	4,4,6,6,7	5,6,6	4,5,6,7
	H2	5,6,7,8	4 ⁺ ,6,8	5,6,8	4,6,8	-	5,6,8	5,6,7,8	5,5,6,7,7	4,5,6	4,5,6,7
	H3	-	4,6 ⁺ ,8	5,6,8	4,6,8	-	5,7,8	5,6,8	4,5,6,6,7	5,6,7	4,5,6,7
	H4	7,8	4 ⁺ ,6,8	4,6,8	4,6,8	-	5,6,7	4,7,7,8	4,5,5,6,7	5,5,5,6	4,6,6,7
	H5	-	5,6,8	5 ⁺ ,6,8	4,6,8	-	4,6,7	4,6,7,7	4,5,6,6,7	5,6,6	4,5,6,7
Controls	C1a	6,6,7,8	5,6,8	5,6,8	4,6,8	-	5,6,8	5,6,7,8	4,5,6,7,7	5,6,6	-
	C1b	-	4,6,8	5,6,8	4,6,8	-	5,6,7	5,6,7,8	4,5,6,6,7	5,6,7	5,6,6,8
	C2a	6,6,7,8	5,6,8	4,6,8	4,6,8	-	4,7,8	5,6,7,7	5,5,6,7,7	5,6,7	5,6,7,7
	C2b	-	5,6,8	5,6,8	4,6,8	-	5,6,8	5,6,7,8	4,5,6,6,7	5,6,7	
	C3a	-	5,6,8	5,6,8	4,6,8	-	5,7,8	-	-	-	
	C3b	5,6,7,8	4,6,8	4,6,8	4,6,8	-	5,6,7	5,6,7	5,6,6,7,7	5,6,6	4,6,6,8
	C4a	-	4,6,8	4,6,8	4,6,8	-	4,6,7	4,6,7	4,5,6,7,7	5,6	4,6,6,7
	C4b	-	5,6,8	5,6,8	4,6,8	-	5,6,7	5,6,7,8	4,5,6,6,7	5,6,7	
	C5a	6,6,7,8	5,6,8	4,6,8	4,6,8	-	5,6,7	4,6,7,8	4,5,6,6,7	4,5,6	4,5,6,7
	C5b	-	5,6,8	5,6,8	4,6,8	-	5,7,7	4,6,7,8	4,5,6,6,7	5,6,7	5,6,7,8

⁺ indicates the first sample after planting had occurred at each restoration site. H3 was planted mid-way through 2007 but treated as $y_{pr} = 0$ for the entirety of 2007. Sampling was not conducted in 2010 because resources were allocated to other projects.

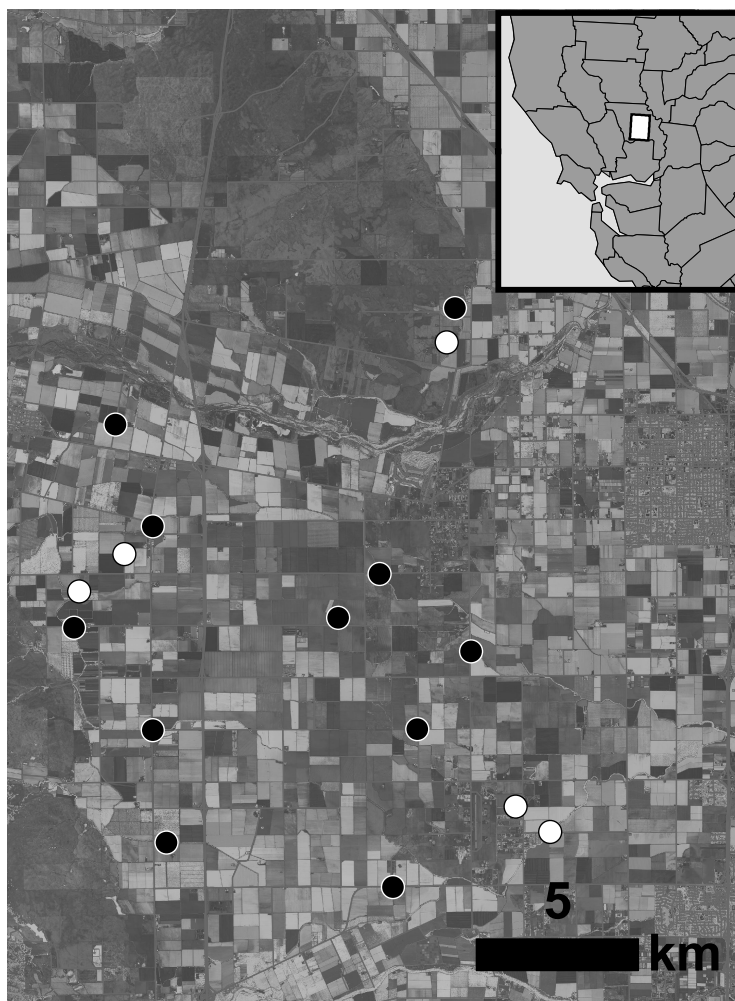


Figure S1: Locations of hedgerow (white dots) and control (black dots) sites in California (inset) and surrounding landcover (National Aerial Imagery Program, 2012).

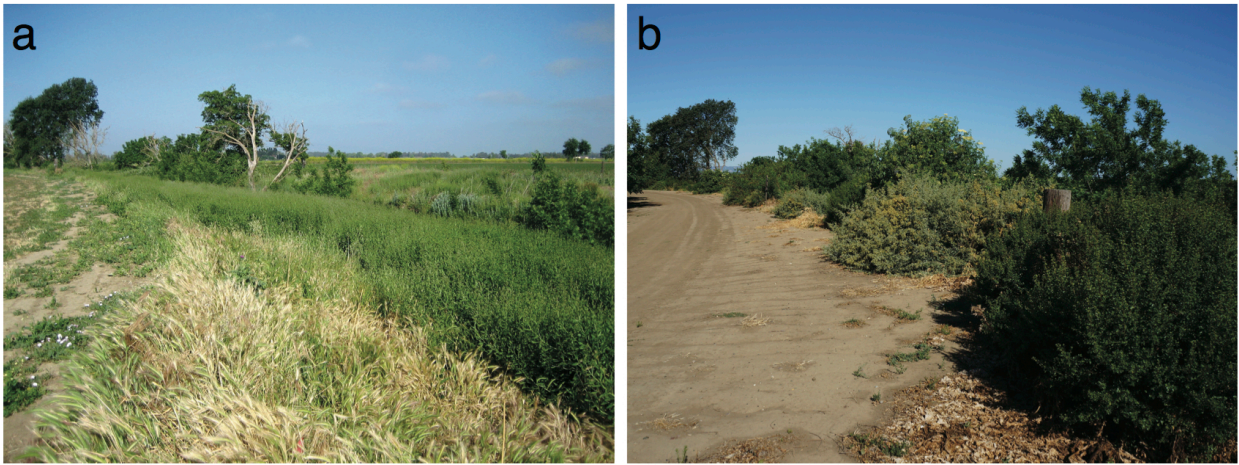


Figure S2: Photographs of a restoration site (H1) immediately prior to its restoration in the spring of 2008 (a) and in its 6th year post-restoration in late summer of 2013 (b). Photo credits: K. Ullman (a) and L.K. M'Gonigle (b).