

Some Invasive Plants On the Preserve

While the rate of naturalization by exotics may have leveled in recent years, new species capable of moderate to severe impacts continue to arrive. These include over the past three decades *Brachypodium distachyon*, *Brachypodium sylvaticum*, *Briza maxima*, *Dittrichia graveolens*, and *Ehrharta erecta*. *Lolium multiflorum*, long present on the Preserve and recorded in each flora beginning with Springer (1935), invaded the serpentine prairie during the 1960s becoming a dominant plant of that habitat. There is anecdotal and observational evidence from reliable sources that *Carduus pycnocephalus* has increased, though it is normally excluded from serpentine. Similarly, *Genista monspessulana* is clearly observed to be spreading. Information on the state of other important invasive exotics such as *Centaurea solstitialis* might be gleaned from Herb Dengler's field notes, John Thomas' field notes, and voucher labels. Reconstructing an invasion historical timeline from these sources would be particularly valuable both for the most serious weeds and the most threatened habitats, for example, riparian areas, serpentine, and annual grassland, which are each essential to the local survival of many native plants.

Many of plants listed below are rated moderate to high concern by the California Invasive Plant Council <http://www.cal-ipc.org/>. Source for California introduction dates is Cal-IPC unless noted otherwise. Red = post 2000 invasions.

Species	Common name	In California	Jasper Ridge
<i>Ailanthus altissima</i>	Tree of heaven	Mid-1800s	<1973 (Dengler)
<i>Agrostis viridis</i>	creeping bent grass	<1841	<1945 (Moer)
<i>Avena spp.</i>	Wild oat	<1882	<1920 (Cooper)
<i>Brachypodium distachyon</i>	Purple false-brome		1977 (Dengler)
<i>Brachypodium sylvaticum</i>	Slender false-brome	Ca. 2000	2007 (Extirpated?)
<i>Briza maxima</i>	Big rattlesnake grass		1976 (Dengler)
<i>Bromus diandrus</i>	ripgut	<1848 (Burcham, 1957)	<1935 (Springer) “abundant”
<i>Bromus hordeaceus</i>	Soft chess	<1841 (Burcham, 1957)	<1935 (Springer) “abundant:”
<i>Bromus madritensis madritensis</i>	Spanish brome		<1973 (Dengler)
<i>Bromus madritensis rubens</i>	Red brome	1848	<1935 (Springer) “frequent”

<i>Carduus pycnocephalus</i>	Italian thistle	1930s	<1973 (Dengler)
<i>Centaurea calcitrapa</i>	Purple star-thistle	<1887	<1935 (Springer) “rare”
<i>Centaurea melitensis</i>	totalote	<1797	<1935 (Springer) “very abundant”
<i>Centaurea solstitialis</i>	Yellow star-thistle	<1869	<1935 (Springer) “rare”
<i>Cirsium vulgare</i>	Bull thistle	<1894	<1935 (Springer) “infrequent”
<i>Cortaderia selloana</i>	Pampas grass	1848	<1973 (Dengler)
<i>Cotoneaster spp.</i>		1850	<1973 (Dengler)
<i>Delairea odorata</i>	Cape ivy	1850s	
<i>Dipsacus sativus</i>	Fuller’s teasel	<1861	<1945 (Moeur)
<i>Dittrichia graveolens</i>	Stinkwort	<1984	200x (under control)
<i>Ehrharta erecta</i>	Ehrharta	1930	2005 (spreading)
<i>Erodium cicutarium</i>	Red-stemmed storksbill	<1769 (Burcham, 1957)	<1935 (Springer) “abundant”
<i>Genista monspessulana</i>	French broom	Mid-1800s	<1973 (Dengler)
<i>Geranium spp.</i>		<1862	<1935 (Springer)
<i>Hedera helix</i>	ivy	1850s	
<i>Hordeum murinum</i>	Farmer’s foxtail	<1904	<1935 (Springer)
<i>Lolium multiflorum</i>	Italian wild rye	<1891	<1935 (Springer) “frequent”q
<i>Medicago polymorpha</i>	burclover		<1935 (Springer) “abundant”
<i>Olea europea</i>	olive	1769	<1973 (Dengler)
<i>Oxalis pes-caprae</i>	Bermuda buttercup	<1927	
<i>Parentucellia viscosa</i>	yellow glandweed		200x
<i>Picris echioides</i>	Bristly ox-tongue		<1935 (Springer)
<i>Phalaris aquatica</i>	Harding grass	<1899	<1962 (Porter)
<i>Sonchus asper</i>	Prickly sow-thistle		<1935 (Springer) “frequent”

<i>Sonchus oleraceus</i>	Common sow-thistle		<1935 (Springer) “frequent”
<i>Silybum marianum</i>	Milk thistle		<1935 (Springer) “frequent”
<i>Torilis arvensis</i>	Hedge parsley	<1936	<1973 (Dengler)
<i>Vinca major</i>	Periwinkle	1850s	<1945 (Moeur) “rare”
<i>Vulpia myuros</i>	Rattail fescue	<1925	<1935 (Springer)