

# Invasive Species Control and Management Plan



environment which will discourage new growth of the invasive plant. Many invasive species invade an area of recent disturbance such as soil displacement, by using native grasses and plants as well as natural and weed-free erosion control products, the invasive species will be unable to entrench the exposed soil.

- Mechanical Eradication is the most common short-term option for the eradication of invasive plant species. The removal of many of these invasive plants can be done by hand, such as Scotch Broom; which can be removed most efficiently in the Spring time, as the entire root system can be pulled easily from the soil. Hand pulling can be an ongoing process as invasive plant species, as well as their most common areas, are identified; the growth as well as the population can be more effectively managed when the plants are small. The use of mechanical tools such as weed whackers, tractors and cutting tools may be required to eradicate some species such as the Himalayan Blackberry, which is common in our area and cannot be effectively or completely removed by hand.
- Chemical Eradication will be considered a last resort, if it will be considered at all, as most of our applicant's commercial cannabis projects use organic and natural growing techniques that never include the use of chemicals.

## 5. Disposal Methods

As the invasive species are eradicated, they will be completely secured within black plastic garbage bags, this will effectively prevent any chance of seed or propagation of new invasive growth. The invasive species will begin rapid decomposition within the bags and will be taken to a proper disposal site such as the Redway Transfer Station or the Humboldt Waste Management Facility in Eureka.

## 6. Preventative Control Techniques

Applicant will implement preventative measures to ensure the invasive plant species will not enter the project site. Applicant will use caution when bringing any type of cultivation products to the site to ensure that possible contamination of seed or plant materials that can propagate will not enter the parcel. Vehicles will be maintained, inspected, and cleaned before entering and/or exiting the parcel to eliminate the presence of possible invasive plants species and/or invasive plant materials. If erosion control is necessary on the cultivation site, only native species and certified weed-free products will be used. Cover crops and compost will be inspected for any type of invasive plant species and will be properly disposed of if found to contain any type of invasive plant species seed or the possibility of propagation.

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## The Cal-IPC Inventory

The Inventory categorizes plants that threaten California's natural areas. The Inventory includes plants that currently cause damage in California (invasive plants) as well as "Watch" plants that are a high risk of becoming invasive in the future (designated with an asterisk). For information about the Inventory, see "Inventory Details" below.

### INVENTORY DETAILS

#### Using the Inventory table:

- Click a plant's scientific name to see its risk assessment. For the Plant Profile page with more information about a given plant, click the icon in the far right column.
- "Hort" denotes plants that are known from horticulture; "CWM" links to the CalWeedMapper page for the plant; "ID card" links to an identification card for the plant.
- To sort the table, click on any column heading. To list only plants from certain Jepson Regions or Habitat Types, use the filters below.
- "Watch" species (denoted with an \*) are not currently invasive in California. Assessment has found them to be a high risk for becoming invasive in the future.

Use the buttons below to choose plants to display by region, habitat, and whether the plant is designated an invasive plant or a watch plant.

[Clear Filters](#)

Scientific name	Rating	Profile
<i>Acacia dealbata</i>	Moderate	✓ 
<i>Acacia melanoxylon</i>	Limited	✓ 
<i>Acroptilon repens</i>	Moderate	
<i>Aegilops triuncialis</i>	High	
<i>Agrostis avenacea</i>	Limited	
<i>Agrostis stolonifera</i>	Limited	✓ 
<i>Allianthus altissima</i>	Moderate	✓ 
<i>Alternanthera philoxeroides</i>	High	
<i>Ammophila arenaria</i>	High	
<i>Anthoxanthum odoratum</i>	Limited	
<i>Arctotheca calendula</i>	Moderate	✓ 
<i>Arctotheca prostrata</i>	Moderate	✓ 
<i>Arundo donax</i>	High	✓ 
<i>Asparagus asparagoides</i>	Moderate	✓ 
<i>Avena fatua</i>	Moderate	
<i>Bellardia trixago</i>	Limited	
<i>Brachypodium distachyon</i>	Moderate	
<i>Brachypodium sylvaticum</i>	Moderate	
<i>Brassica nigra</i>	Moderate	
<i>Brassica rapa</i>	Limited	
<i>Brassica tournefortii</i>	High	
<i>Briza maxima</i>	Limited	✓ 
<i>Bromus diandrus</i>	Moderate	
<i>Bromus hordeaceus</i>	Limited	
<i>Bromus japonicus</i>	Limited	
<i>Bromus madritensis ssp. rubens</i>	High	
<i>Bromus tectorum</i>	High	
<i>Cakile maritima</i>	Limited	
<i>Carduus acanthoides</i>	Limited	

Scientific name	Rating	Profile
<i>Cynodon dactylon</i>	Moderate	✓
<i>Cynoglossum officinale</i>	Moderate	✓
<i>Cynosurus echinatus</i>	Moderate	
<i>Cytisus scoparius</i>	High	✓
<i>Cytisus striatus</i>	Moderate	✓
<i>Dactylis glomerata</i>	Limited	✓
<i>Delairea odorata</i>	High	✓
<i>Descurainia sophia</i>	Limited	
<i>Digitalis purpurea</i>	Limited	✓
<i>Dipsacus fullonum</i>	Moderate	✓
<i>Dipsacus sativus</i>	Moderate	
<i>Dittrichia graveolens</i>	Moderate	
<i>Echium candicans</i>	Limited	✓
<i>Egeria densa</i>	High	✓
<i>Ehrharta calycina</i>	High	
<i>Ehrharta erecta</i>	Moderate	
<i>Elodea canadensis</i>	High	✓
<i>Elaeagnus angustifolia</i>	Moderate	✓
<i>Elymus caput-medusae</i>	High	
<i>Erica lusitanica</i>	Limited	✓
<i>Erodium cicutarium</i>	Limited	✓
<i>Eucalyptus camaldulensis</i>	Limited	✓
<i>Eucalyptus globulus</i>	Limited	✓
<i>Euphorbia oblongata</i>	Limited	✓
<i>Euphorbia virgata</i>	High	
<i>Fallopia japonica</i>	Moderate	
<i>Fallopia sachalinensis</i>	Moderate	
<i>Festuca arundinacea</i>	Moderate	✓
<i>Festuca myuros</i>	Moderate	

Scientific name	Rating	Profile
<i>Linaria dalmatica</i> ssp. <i>dalmatica</i>	Moderate	
<i>Linaria vulgaris</i>	Moderate	✓
<i>Lobularia maritima</i>	Limited	✓
<i>Ludwigia peploides</i>	High	✓
<i>Lythrum hyssopifolium</i>	Moderate	
<i>Lythrum salicaria</i>	High	✓
<i>Marrubium vulgare</i>	Limited	✓
<i>Medicago polymorpha</i>	Limited	
<i>Mentha pulegium</i>	Moderate	✓
<i>Mesembryanthemum crystallinum</i>	Moderate	✓
<i>Myoporum laetum</i>	Moderate	✓
<i>Myosotis latifolia</i>	Limited	✓
<i>Myriophyllum aquaticum</i>	High	✓
<i>Myriophyllum spicatum</i>	High	
<i>Nicotiana glauca</i>	Moderate	✓
<i>Olea europaea</i>	Limited	✓
<i>Onopordum acanthium</i>	High	✓
<i>Oxalis pes-caprae</i>	Moderate	
<i>Parentucellia viscosa</i>	Limited	
<i>Pennisetum clandestinum</i>	Limited	
<i>Pennisetum setaceum</i>	Moderate	✓
<i>Phalaris aquatica</i>	Moderate	✓
<i>Phoenix canariensis</i>	Limited	✓
<i>Phytolacca americana</i>	Limited	✓
<i>Plantago lanceolata</i>	Limited	✓
<i>Poa pratensis</i>	Limited	✓
<i>Polypogon monspeliensis</i>	Limited	
<i>Potamogeton crispus</i>	Moderate	
<i>Prunus cerasifera</i>	Limited	✓

Scientific name	Rating	Profile
<i>Tanacetum vulgare</i>	Moderate	✓
<i>Tetragonia tetragonoides</i>	Limited	
<i>Torilis arvensis</i>	Moderate	
<i>Tribulus terrestris</i>	Limited	
<i>Trifolium hirtum</i>	Limited	
<i>Ulex europeus</i>	High.	
<i>Verbascum thapsus</i>	Limited	✓
<i>Vinca major</i>	Moderate	✓
<i>Washingtonia robusta</i>	Moderate	✓
<i>Watsonia meriana</i>	Limited	✓
<i>Zantedeschia aethiopica</i>	Limited	✓
<i>Zostera japonica</i>	Moderate	

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## IPCW | Common Names

**Common Name:** The plants are listed in alphabetical order by the most often used common name. Click on the scientific name for more information about the plant. You may also use the “search” box above to find a plant by name or any attribute such as “thorn” or “tuber”.

*Tamarix* spp.

*Ailanthus altissima*

ailanthus; tree-of-heaven

*Aptenia cordifolia*

apple, baby sun rose, heartleaf  
iceplant, dew plant

*Cynara cardunculus*

artichoke thistle, cardoon, desert  
artichoke, wild artichoke

*Atriplex semibaccata*

Australian saltbush

*Bassia hyssopifolia*

bassia, five-hook bassia, thorn  
orache, five-horn smotherweed

*Robinia pseudoacacia*

black locust

*Eucalyptus globulus*

blue gum, Tasmanian blue gum,  
common eucalyptus

*Schinus terebinthifolius*

Brazilian pepper tree, Christmas-  
berry tree, Christmasberry, Florida  
holly

*Retama monosperma*

bridal veil broom

*English ivy*eupatorium, Crofton weed, sticky  
snakeroot, catweed, hemp agrimony,  
sticky agrimony, sticky eupatorium*Myriophyllum spicatum*Eurasian watermilfoil, spike  
watermilfoil*Ammophila arenaria*

European beachgrass

*Foeniculum vulgare*fennel, anise, sweet fennel,  
aniseed, sweet anise, sweet  
fennel*Pennisetum setaceum*fountain grass, crimson  
fountaingrass*Digitalis purpurea*

foxglove, purple foxglove

*Bromus madritensis ssp. rubens*foxtail chess; red brome, compact  
brome, Spanish brome*Genista monspessulana*French broom, soft broom, canary French tamarisk  
broom, Montpellier broom*Tamarix gallica**Delairea odorata*

German ivy

*Arundo donax*

giant reed, giant cane

*Ulex europaea*

gorse, common gorse

*Halogoton glomeratus*

halogeton

*Phalaris aquatica*

Harding grass

*Helichrysum petiolare*

helichrysum, licorice plant

*Carpobrotus edulis*highway iceplant, Hottentot fig,  
iceplant*Rubus discolor*Himalayan blackberry,  
Himalayaberry*Hydrilla verticillata*hydrilla, water thyme, Florida  
elodea*Carduus pycnocephalus*Italian thistle, slender thistle, shore  
thistle, Italian plumeless thistle

poison hemlock, carrot fern, poison parsley, spotted hemlock Portuguese broom

*Lythrum salicaria*  
purple loosestrife

*Centaurea calcitrapa*

purple starthistle, red star thistle, red starthistle, St. Barnaby's thistle, golden starthistle

*Elaeagnus angustifolia*  
Russian olive, oleaster

*Brassica tournefortii*

Sahara mustard, Asian mustard

*Spartina patens*  
salt-meadow cordgrass

*Cytisus scoparius*

Scotch broom, English broom, common broom

*Crataegus monogyna*  
single-seed hawthorn, whitethorn

*Tamarix parviflora*

smallflower tamarisk, tamarisk, four-stamen tamarisk

*Spartina alterniflora*  
smooth cordgrass

*Spartium junceum*

Spanish broom, gorse, weaver's broom

*Tamarix ramosissima*  
tamarisk, saltcedar

*Senecio jacobaea*

tansy ragwort, stinking willie

*Centaurea melitensis*

tocolute, Maltese star thistle, Napawater hyacinth, common water star thistle, Malta starthistle

*Eichhornia crassipes*

hyacinth

*Cardaria draba*

white top, perennial pepper-grass, yellow bush lupine, coastal bush heart-podded hoary cress, lupine pepperwort, white-top, pepperweed whitetop, hoary cress, whitetop, white weed

*Lupinus arboreus*

*Centaurea solstitialis*

