

Cal-IPC Rating: High
 Other ratings: CDFA W

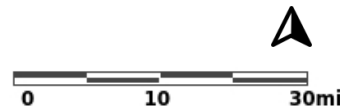
Species Description: *Arundo donax* (giant reed) is a tall perennial grass (family Poaceae) that typically forms dense stands on disturbed sites, sand dunes, riparian areas, and wetlands. It has invaded central California River valleys in San Luis Obispo and Monterey counties, the San Francisco Bay Area, the Sacramento and San Joaquin River valleys and is also increasing in the North Coast region. *Arundo donax* is threatening California's riparian ecosystems by outcompeting native species, such as willows, for water.



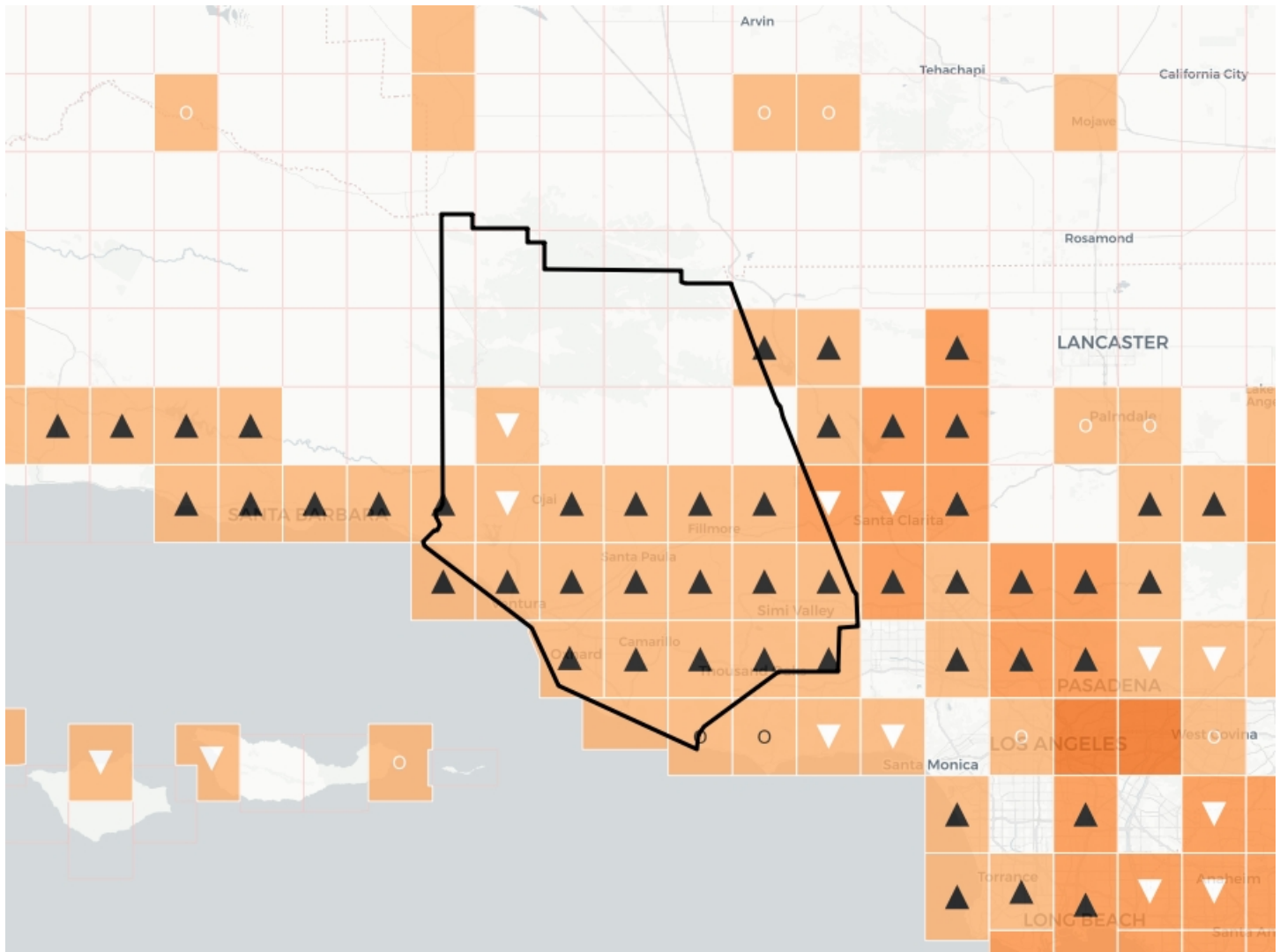
Photo © Regents of the University of California.

Additional information: See Cal-IPC's [Plant Profiles](#) or Calflora's [Taxon Report](#)

Abundance	Trend	Verification Needed
 High	▲ Spreading	○ Verify Quad
 Medium	● Managed, Spreading	○ Verify Species
 Low	▼ Managed, Decreasing	
	X Eradicated	



Abundance and trend by USGS 7.5-minute quadrangle. See ? on Maps for additional information on map legend.



How To Use This Report

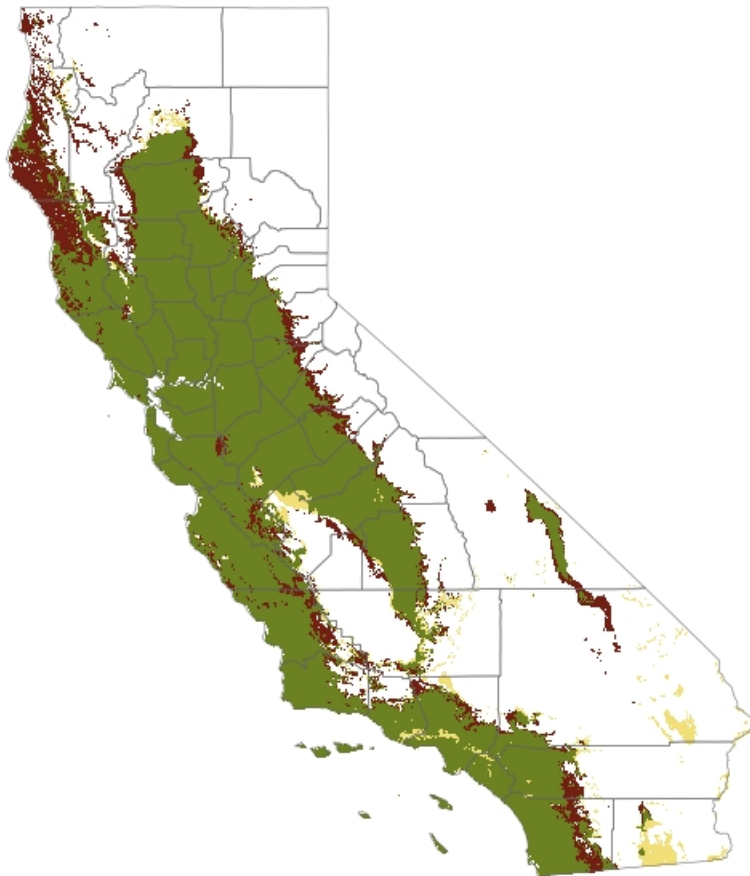
This report provides distribution and suitability maps that can be used in conjunction with the Report on Management Opportunities as a starting place for setting regional priorities. The maps show the spatial factors that determine surveillance, eradication, and containment opportunities.

Suitability maps can be used to further assess the potential for an invasive plant species to spread into a new area. Predicted change in future suitability allow natural resource managers to prepare for new conditions, and may be used to elevate or demote the priority of a particular species in a particular area.

For current distribution, we interviewed local experts to determine abundance, spread and management by USGS 7.5-minute quadrangle (approximately 8 mi x 6 mi). We also incorporated occurrence data from Calflora, the Consortium of California Herbaria, and other collected datasets.

CalWeedMapper displays projected suitable range in 2010, projected suitable range in 2050, and the change (expansion or reduction) in range between those dates. Suitable range for 2050 shows areas where at least four of the 17 GCMs agreed. Our projections are based on climate only and do not consider factors such as soil, vegetation communities, and methods of spread. For more detailed information on our methods, [click here](#).

Change in Suitable Range, 2010 - 2050



- **Suitable range** indicates area where suitability for this species is unchanged from 2010-2050.
- **Expanded range** indicates area which is unsuitable in 2010 but is projected to be suitable in 2050.
- **Reduced range** indicates area which is suitable in 2010 but is projected to be unsuitable in 2050.

Climate change scenario: A2
 Occurrence points used: 234
 Minimum distance between occurrences: 0.16
 Area under the curve (AUC): 0.876
 Applied threshold (specificity equals sensitivity): 0.221