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DATE : FEB 14 2012

Planning and Land Use Management Committee
Council of the City of Los Angeles
City Hall, Room 395
Los Angeles, CA 90012

ATTN: Sharon Gin, Legislative Assistant

CITY PLAN CASE NO. 2008-3125-CA

Transmitted herewith is a proposed ordinance amending the Los Angeles Municipal Code (LAMC) to establish the River Improvement Overlay (RIO) District to enable the City of Los Angeles to facilitate appropriate development in designated areas adjacent to waterways in order to enhance the watershed, urban design and mobility of the area.

On February 9, 2012, following a public hearing, the City Planning Commission approved the proposed ordinance (attached) and recommended its adoption by the City Council. Adopted the Staff Report as its report on the subject. Adopted the attached Findings. Adopted the Categorical Exemption No. ENV-2008-3103-CE.

This action was taken by the following vote:

Moved: Roschen
Seconded: Hovaguimian
Ayes: Freer, Lessin, Woo
Absent: Burton, Cardoso, Kim, Romero

Vote: 5-0


James K. Williams, Commission Executive Assistant II
City Planning Commission

Attachments: Proposed Ordinance, Findings

City Planner: Claire Bowin

Cc: Adrienne Khorasanee, Amy Brothers, Deputy City Attorneys, Land Use Division

ORDINANCE NO. _____

An ordinance amending Sections 11.5.4., 12.03, 12.04, 12.32 and 13.15 of Chapter 1 of the Los Angeles Municipal Code to establish the River Improvement Overlay (RIO) District and River Design Guidelines to enable the City of Los Angeles to facilitate appropriate development in designated areas adjacent to waterways in order to enhance the watershed, urban design and mobility of the area.

**THE PEOPLE OF THE CITY OF LOS ANGELES
DO HEREBY ORDAIN AS FOLLOWS:**

Section 1. Subsection D of Section 12.04 of the Los Angeles Municipal Code is hereby amended to read:

D. Certain portions of the City are also designated as being in one or more of the following districts, by the provisions of Article 3 of this chapter.

"O"	Oil Drilling District
"S"	Animal Slaughtering District
"G"	Surface Mining District
"RPD"	Residential Planned Development District
"K"	Equinekeeping District
"CA"	Commercial and Artcraft District
"POD"	Pedestrian Oriented District
"CDO"	Community Design Overlay District
"MU"	Mixed Use District
"FH"	Fence Height District
"SN"	Sign District
"RFA"	Residential Floor Area District
"NSO"	Neighborhood Stabilization Overlay District
"CPIO"	Community Plan Implementation Overlay District
"RIO"	<u>River Improvement Overlay District</u>

The "**Zoning Map**" is amended to indicate these districts and the boundaries of each district.

Land classified in an "O" Oil Drilling District, "S" Animal Slaughtering District, "G" Surface Mining District, "RPD" Residential Planned Development District, "K" Equinekeeping District, "CA" Commercial and Artcraft District, "POD" Pedestrian Oriented District, "CDO" Community Design Overlay District, "MU" Mixed Use District, "FH" Fence Height District, "SN" Sign District, "RFA" Residential Floor Area District, "NSO", "CPIO" Community Plan Implementation Overlay District or "RIO" River Improvement Overlay District" is also classified in one or more zones, and land classified in the "P" Automobile Parking Zone may also be classified in an "A" or "R" Zone.

These classifications are indicated on the "Zoning Map," with a combination of symbols, e.g., R2-2-O, C2-4-S, M1-3-G, M1-1-P and R2-O, C2-G, etc., where height districts have not been established. (Amended by Ord. No. 174,552, Eff. 6/16/02.)

Section 2. The district listing in Subdivision 2 of Subsection S of Section 12.31 of the Los Angeles Municipal Code is hereby amended to read:

(b) **Districts.** In order to carry out the provisions of this article, the following districts are established:

"O"	Oil Drilling District
"S"	Animal Slaughtering District
"G"	Surface Mining District
"RPD"	Residential Planned Development District
"K"	Equinekeeping District
"CA"	Commercial and Aircraft District
"POD"	Pedestrian Oriented District
"CDO"	Community Design Overlay District
"MU"	Mixed Use District
"FH"	Fence Height District
"SN"	Sign District
"RFA"	Residential Floor Area District
"NSO"	Neighborhood Stabilization Overlay District
"CPIO"	Community Plan Implementation Overlay District
"RIO"	<u>River Improvement Overlay District</u>

Section 3 Paragraph (b) of Subdivision 3 of Subsection S of Section 12.32 of the Los Angeles Municipal Code is amended to read as follows:

(2) **Additional Requirements for Application.** Except for CPIO Districts, which may not be established through the application procedure, one or more of the owners or lessees of property within the boundaries of the proposed district may submit a verified application for the establishment of a district. An application for the establishment of a Commercial and Aircraft District, a Pedestrian Oriented District, an Equinekeeping District, a Community Design Overlay District, a Mixed Use District, a Sign District, a Residential Floor Area District, a Neighborhood Stabilization Overlay District, or a RIO District shall contain the signatures of at least 75 percent of the owners or lessees of property within the proposed district. An application for the establishment of a Fence Height District shall contain the signatures of at least 50 percent of the owners or lessees of property within the proposed district. An application shall be accompanied by any information deemed necessary by the Department.

Section 4. Subparagraph (3) of paragraph (c) of Subdivision 3 of Subsection S of Section 12/32 of the Los Angeles Municipal Code is hereby amended to read:

(3) **Time for Commission to Act on Application.** The City Planning Commission shall act on an application to establish an "O," "S," "G," "K," "CA," "POD," "CDO," "MU," "FH," "SN," "RFA," "NSO," "CPIO," or "RIO" District within 75 days from the date of the filing of the application. The City Planning Commission shall act on an application to establish an "RPD" District within 75 days from receipt of the Subdivision Committee report and recommendation. The City Planning Commission shall act on proceedings initiated by the Council within 75 days of receipt of that action from the Council, or within the time that the Council may otherwise specify. (Amended by Ord. No. 174,552, Eff. 6/12/02.)

Section 5. Paragraph (c) of Subdivision 4 of Subsection S of Section 12.32 of the Los Angeles Municipal Code is hereby amended to read:

(c) **Procedures.** Applicants for Projects that comply with the provisions of an adopted Commercial and Artcraft District, Pedestrian Oriented District, Community Design Overlay District, Mixed Use District, Community Plan Implementation Overlay District, or River Improvement Overlay District shall submit plans to the Director for an Administrative Clearance. The Director or his/her designee shall review the Project for compliance with the applicable Supplemental Use District development regulations. Projects that do not qualify for Administrative Clearance shall follow the procedures set forth in the applicable Supplemental Use District.

Section 6. The Section list of Article 3 of Chapter 1 of the Los Angeles Municipal Code is hereby amended to read:

Section	
13.01	"O" Oil Drilling Districts
13.02	"S" Animal Slaughtering Districts
13.03	"G" Surface Mining Operations Districts
13.04	"RPD" Residential Planned Development Districts
13.05	"K" Equinekeeping Districts
13.06	Commercial and Artcraft Districts
13.07	Pedestrian Oriented District
13.08	"CDO" Community Design Overlay District
13.09	Mixed Use District
13.10	Fence Heights District
13.11	"SN" Sign District
13.12	"NSO" Neighborhood Stabilization Overlay District
13.13	"RFA" Residential Floor Area District
13.14	"CPIO" Community Plan Implementation Overlay District
13.15	<u>"RIO" River Improvement Overlay District"</u>
13.16	Violation

Section 7. Section 13.15 of the Los Angeles Municipal Code is hereby amended to read:

SEC. 13.15. "RIO" RIVER IMPROVEMENT OVERLAY DISTRICT.

A. Purpose. This section sets forth procedures, guidelines and standards for the establishment of River Improvement Overlay (RIO) Districts within river and/or tributary (river) adjacent areas throughout the City. The purpose of a RIO District is to:

1. Support the goals of the Los Angeles River Revitalization Master Plan
2. Contribute to the environmental and ecological health of the City's watersheds;
3. Establish a positive interface between river adjacent property and river parks and/or greenways;
4. Promote pedestrian, bicycle and other multi-modal connection between the River and its surrounding neighborhoods.
5. Provide native habitat and support local species;
6. Provide an aesthetically pleasing environment for pedestrians and bicyclists accessing the River area; and
7. Provide public access to the River at least every one-half mile.
8. Promote the river identity of river adjacent communities.
9. Support the Low Impact Development Ordinance, the City's Irrigation Guidelines, and the Standard Urban Stormwater Maintenance Program.

B. Establishment of Districts. The City Council may establish new districts, or change boundaries of districts, by following the procedures set forth in Section 12.32S of this Code. Precise boundaries are required at the time of application to expand or create a RIO district. The RIO District shall include all public and private land uses within its boundaries.

C. Definitions. For the purposes of this section, the following words and phrases are defined as follows:

Adjacent. Properties whose property lines abut a river and/or abut a river frontage road.

ADA. American with Disabilities Act

California-Friendly Plants. Plants defined as drought tolerant and suitable to Southern California by the Metropolitan Water District. A full list of plants is available at: <http://www.thegarden.org/siteDocs/resources/CAFriendlyList-botanical.pdf>.

Inner Core. Projects located adjacent to the river.

Invasive Plants. Plants identified by the California Invasive Plant Council (CAL-IPC) and included on the California Invasive Plant Inventory at: <http://www.cal-ipc.org/ip/inventory/pdf/Inventory2006.pdf>.

Los Angeles County's River Master Plan's Landscaping Guidelines and Plant Palettes. A plant palette comprised primarily of native plants suitable for a riparian habitat. The Guidelines can be found at: http://ladpw.org/wmd/watershed/LA/LARPlanting_guidelineswebversion.pdf.

Outer Core. Projects not located adjacent to the river

Native Plant. A native plant is one that occurs naturally in a given geographic area. These can be trees, flowers, grasses or any other plants included in the California Native Plant Library at: http://www.theodorepayne.org/mediawiki/index.php?title+Main_Page

Project. The erection, construction, addition to, or exterior structural alteration of any building or structure located within the a River Improvement District. A Project does not include construction work that consists solely of (1) interior remodeling, interior rehabilitation work or repair work; (2) alterations of, including structural repairs, or additions to, any existing building in which the aggregate value of the work, in any one 24-month period, is less than fifty percent of the building's replacement cost before the alterations or additions as determined by the Department of Building and Safety (DBS). Construction costs are based on a valuation table available on the DBS website. The table lists the cost of construction per square foot.

Public-Right-of-Way (ROW). A parcel of land over which the public can legally traverse. Usually a street, road, sidewalk, or footpath.

River. A general term for a body of flowing water. A river may be classified as follows in relation to time: perennial (flows continuously), intermittent (flows seasonally).

Riverfront Door. An exterior door of a Project that faces and is directly accessible from the adjacent river corridor or river frontage road.

River frontage Road. A roadway that runs roughly parallel to, and directly adjacent to, the river corridor as defined in each RIO.

Watershed Friendly Plants. Plants included in the Watershed Friendly Plant List published by the Council for Watershed Health.

D. Approval of River Design Guidelines. In establishing any individual River Improvement Overlay District, the Director of Planning shall prepare, and the City Planning Commission shall approve by resolution, River Design Guidelines applicable to design overlay areas. These Guidelines and Standards shall be adopted or amended according to the following procedures and criteria:

1. Initiation. Preparation or amendment of the Guidelines may be initiated by the Director of Planning, The City Planning Commission or City Council.

2. Preparation and Content. Upon initiation, the Director shall prepare, or cause to be prepared, proposed Guidelines based on the design policies contained in the Los Angeles River Revitalization Master Plan.

The Guidelines are in addition to those set forth in the planning and zoning provisions of Los Angeles Municipal Code (LAMC) Chapter 1, as amended and any other relevant ordinances and do not convey any rights not otherwise granted under the provisions and procedures contained in that chapter and other relevant ordinances, except as specifically provided herein.

Furthermore, nothing in the Guidelines shall interfere with any previously granted entitlements, nor shall they restrict any right authorized in the underlying zone or height district.

3. Commission Hearing and Notice. The proposed or amended Guidelines shall be set for a public hearing before the City Planning Commission or a hearing officer as directed by the City Planning Commission prior to the Commission action. Notice of the hearing shall be given as provided in Section 12.24D2 of this Code.

4. Reports. If a hearing officer is designated to conduct the public hearing, after the conclusion of the hearing, the hearing officer shall submit his report to the City Planning Commission within a period of time as may be fixed by the Commission, setting forth his or her conclusions and recommendations in writing and stating briefly the reasons therefore.

5. Decision by City Planning Commission. The City Planning Commission shall, by resolution, approve, modify or disapprove the proposed Guidelines. If the City Planning Commission fails to act within 75 days from the receipt of the

report and recommendations of the Planning Department, the proposed Guidelines shall automatically be submitted to the City Council for action. In approving the Guidelines, the City Planning Commission or Council shall find that they are consistent with the policies of the Los Angeles River Revitalization Master Plan and the purposes of this section.

E. Application. In establishing any individual River Improvement Overlay District, the City Council may adopt all of the regulations contained in Subsection F below, however, one or more of these standards set forth in these regulations may be superseded by development standards established in the individual River Improvement Overlay District ordinance. An individual River Improvement Overlay District ordinance shall apply to a particular geographical area. In the event that ordinance does not include new standards pertaining to development, all of the standards set forth in Subsection F, hereof shall apply. The regulations contained in this section are in addition to the use and area regulations applicable to the underlying zone. If the provisions of this section conflict with any other city-wide regulations, then the most restrictive requirements shall prevail.

F. Issuance of Permits. The Department of Building and Safety shall not issue a building permit for a Project within either the Inner or Outer Core area of a River Improvement Overlay District, unless an Administrative Clearance, RIO Adjustment, or RIO Exception has been obtained pursuant to the applicable procedures in Subsection I.

G. Development Regulations. Projects shall conform to all of the following development regulations, or to the regulations in a specific River Improvement District, if applicable.

1. Landscaping shall conform to the following regulations:

(a) Native and/or California Friendly Plants. 75 percent of a single family Project's newly landscaped area, located within the outer core, shall be planted with either native trees, plants and shrubs and/or species defined as California Friendly, and/or Watershed Friendly, and or species defined by the Los Angeles County's River Master Plan's Landscaping Guidelines and Plant Palettes.

(b). Native and/or County Landscaping Guidelines. With the exception of single family homes, 75 percent of a Project's newly landscaped area, located within the outer core, shall be planted with either, indigenous native trees, plants and/or shrubs and/or species as defined by the Los Angeles County's River Master Plan's Landscaping Guidelines and Plant Palettes.

(c) Invasive Plants. All existing invasive plants shall be removed, and any plants identified by the CAL-IPC shall not be permitted.

2. Screening/Fencing

(a) Loading areas and off-street parking facilities of three spaces or more, either on a surface lot or in a structure, shall be effectively screened from abutting public-right-of ways and the River. However, such screening shall not obstruct vehicle site distances, entrances and exits and shall consist of one or a combination of the following:

- i. A strip at least five feet in width of densely planted shrubs or trees which are at least two feet high at the time of planting and are of a type that may be expected to form, within three years after time of planting, a continuous, unbroken, year round visual screen, or
- ii. A wall, barrier or fence of uniform appearance. Such wall, barrier, or fence may be opaque or perforated provided that not more than fifty percent of the face is open. The wall, barrier, or fence shall, when located in either the rear or side yards shall be at least four feet and not more than six feet in height.

(b) Electrical transformers, mechanical equipment, water meters and other equipment shall be screened from public view. The screening may be opaque or perforated provided that not more than fifty percent of the face is open. The screen shall be at least six inches taller than the equipment and not more than 2 feet taller than the equipment.

(c) Exterior trash enclosures shall:

- (1) be designed to complement the primary building with a wall height that exceeds the disposal unit it is designed to contain by 18 inches,
- (2) have a solid roof to deter birds and to block views from adjacent properties,
- (3) shall be comprised of solid metal doors that accommodate a lock and shall remain closed when not in use, and
- (4) shall not be constructed of chain link or wood.

(d) With the exception of single-family homes, all projects facing a street that crosses the river or terminates at the river or a Riverfrontage road shall design all fences within the front and/or side yards visible from said street to be consistent with the fence designs identified in the Los Angeles County's River Master Plan's Landscape Guidelines.

3. Exterior Site Lighting

(a) All site and building mounted lighting shall be designed such that it produces a maximum initial luminance value no greater than 0.20 horizontal and vertical foot candles at the site boundary and no greater than 0.01 horizontal foot candles 15 feet beyond the site. No more than 5.0 percent of the total initial designed lumens shall be emitted at an angle of 90 degrees or higher from nadir (straight down).

(b) All low pressure sodium, high pressure sodium, metal halide, fluorescent, quartz, incandescent greater than 60 watts, mercury vapor, and halogen fixtures shall be fully shielded in such a manner as to preclude light pollution or trespass on abutting public right-of-way, park, open space, or River.

(c) All site and building mounted lighting shall be directed away from properties, waterbodies, parks and roadways, and shielded as necessary.

4. Projects located partially and/or wholly within the Inner Core shall also conform to the following regulations:

a. Landscaping. 75 percent of any Project's newly landscaped area shall be planted with native trees, plants and shrubs as defined by the Los Angeles County's River Master Plan's Landscape Guidelines and Plant Palettes and/or the Watershed Friendly Shade Tree List. Error! Hyperlink reference not valid.

All non-residential and multi-family residential projects shall provide a minimum of 25 trees for every 20,000 square feet of landscape, open space, and/or parking area. All existing trees shall remain and all new trees shall be selected from the Watershed Friendly Shade Tree List and shall be a minimum of 15 gallons in size.

b. Landscape Buffer. Provide a 10' landscape buffer between the Project's property line and either the river corridor or the adjacent river frontage street, where applicable. Building structures and/or parking shall not be permitted within the 10' landscape buffer.

c. Fence. Design all fences located within 10' of the river corridor and/or a river frontage street and/or any adjacent street to be consistent with the fence designs identified in the Los Angeles County's River Master Plan's Landscape Guidelines. With the exception of single family homes, all Projects shall be required to maintain a visual connection between the river corridor and/or frontage road and the abutting property.

d. Fence Height. Design all fences, located within less than 10' of the river corridor, to be no higher than 6' in height; and design all fences, located at the 10' landscape buffer setback line, to not exceed 10' in height unless a lower height limit exists, in which case the lower height limit shall prevail. A fence located within a landscape buffer that is also a project's front yard shall be limited in height to 3.6"

e. Gates. Design all fences located within 10' of the river corridor and/or a river frontage street to be consistent with the gate designs identified in the Los Angeles County's River Master Plan's Landscape Guidelines. The gate height shall be consistent with the adjacent fence height and shall be

designed to not encroach into either the river and/or street public right-of-way when opened.

f. Noise. All projects subject to a conditional use permit for the sale or dispensing of alcoholic beverages, including beer and wine, shall incorporate noise-attenuating features (physical as well as operational) designed by a licensed acoustical sound engineer to assure that operational sounds shall be inaudible at the property line(s) of properties on the opposite bank.

g. River Access.

i. With the exception of single-family homes river adjacent projects, that partially or wholly abut the river, shall design, develop, and install ADA compliant access gates from their property to the River. The gates shall also be accessible for bicyclists entering with their bicycle. Access may be controlled and limited to residents employees and/or visitors of the project

ii. All single-family home projects that partially or wholly abut the river, shall design, develop, and install access gates from their property to the River. Access may be controlled and limited.

h. Riverfront Door. All projects located either adjacent to the river corridor or frontage road shall include a Riverfront Door visible to, and accessible from the river corridor or frontage road.

Exceptions

An exception to the California Friendly, Native and/or Los Angeles County's River Master Plan's Landscape Guidelines requirement can be made on a 1:1 replacement ratio for horticulture such as herbs, fruit, or vegetables for up to 100% of the landscaped area in either the inner and/or outer core.

G. Restrictions. The establishment of a Sign District is not permitted within a RIO District.

H. Review Procedures for Projects within a RIO District. For all Projects within a RIO District, an applicant shall follow the applicable procedures set forth below:

1. Application. All Projects proposed within a RIO District shall be submitted with an application for a RIO approval to be filed with the Department

of City Planning on a form provided by the Department, and include all information required by the instructions on the application and the guidelines adopted by the Director of Planning. Prior to deeming the application complete, the Director shall determine and, if necessary, advise the applicant of the processes to be followed, materials to be submitted, and fees to be paid. The granting of a RIO approval shall not imply, or be deemed to constitute, compliance with any other applicable provisions of this Code.

2. **Administrative Clearance - Authority of the Director.** An applicant for a Project that complies with the provisions of an adopted RIO District shall submit plans to the Director for an Administrative Clearance pursuant to Section 12.32 S.4. Projects which do not comply with the applicable RIO District regulations may request relief through the procedures set forth in Subsections 3. and 4. of this section.

3. **River Implementation Overlay Adjustment - Director Authority with Appeals to the Area Planning Commission.** The Director or the Director's designee shall have initial decision-making authority to grant a RIO Adjustment with an appeal to the Area Planning Commission in accordance with the procedures set forth in Section 11.5.7 C.4. - 6. of this Code.

(a) **Limitations.** Unless otherwise limited by a RIO District, a RIO Adjustment shall be limited to deviations of up to 20 percent from the quantitative supplemental development regulations or minor adjustments from the qualitative supplemental development regulations in an adopted RIO Subarea.

Each adopted RIO ordinance shall indicate those development regulations which are not eligible for an adjustment through this Section. If an application requests more than one RIO Adjustment, the Director may advise the applicant, prior to the application being deemed complete, that the request be filed and processed as a RIO exception, pursuant to Subsection 4. of this section. To the extent that a RIO contains sign regulations, signs shall not qualify for relief through a RIO Adjustment. All other Projects seeking relief from any development regulation which contains prohibition language, or development regulations otherwise designated in the RIO as not eligible for adjustments, shall be processed through the RIO Exception procedures listed under Subsection 4. of this section.

(b) **Findings.** The Director's determination shall include written findings in support of the determination. In order to approve a proposed project pursuant to this subsection, the Director must find that:

(i) There are special circumstances applicable to the project or project site which make the strict application of the RIO regulation(s) impractical;

(ii) The project, as approved, is consistent with the purpose and intent of the RIO and substantially complies with the applicable RIO regulations;

(iii) In granting the adjustment, the Director has considered and found no detrimental effects of the adjustment on surrounding properties or public rights-of-way;

(iv) The project incorporates mitigation measures, monitoring of measures when necessary, or alternatives identified in the environmental review which would mitigate the negative environmental effects of the project, to the extent physically feasible; and

4. Exceptions from a "RIO" - Area Planning Commission Authority with Appeals to the City Council.

(a) Area Planning Commission Authority. The Area Planning Commission shall have initial decision-making authority for granting exceptions from RIO regulations with an appeal to the City Council in accordance with the procedures set forth in Subdivisions 3. - 8. of Subsection F. of Section 11.5.7 of this Code.

In granting an exception from RIO regulations, the Area Planning Commission shall impose conditions to remedy any resulting disparity of privilege, to protect the public health, safety, welfare, and to assure compliance with the objectives of the General Plan and the purpose and intent of the RIO District. An exception from a RIO regulation shall not be used to grant a special privilege, nor to grant relief from self-imposed hardships.

(b) Findings. The Area Planning Commission may permit an exception from a RIO regulation not involving signage if it makes all the following findings:

(i) The strict application of the RIO regulations to the subject property would result in practical difficulties or unnecessary hardships inconsistent with the general purpose and intent of the RIO District and its regulations;

(ii) There are exceptional circumstances or conditions applicable to the subject property involved or to the intended use or development of the subject property that do not apply generally to other properties in the RIO District;

(iii) An exception from the RIO regulation is necessary for the preservation and enjoyment of a substantial property right or use generally possessed by other property within the RIO District within the same zone and vicinity but which, because of special circumstances and practical difficulties or unnecessary hardships, is denied to the property in question;

(iv) The granting of an exception will not be detrimental to the public welfare or injurious to the property or improvements adjacent to or in the vicinity of the subject property; and

(v) The granting of an exception will be consistent with the principles, intent and goals of the RIO District and any applicable element of the General Plan.

The Area Planning Commission may permit an exception from a RIO regulation concerning signage if it makes all the following findings:

(i) Strict compliance would result in practical difficulty or unnecessary hardship inconsistent with the purposes of the zoning restrictions due to unique existing physical circumstances on the subject property;

(ii) An exception from the RIO regulation is necessary for the preservation and enjoyment of a substantial property right or use generally possessed by other property within the RIO District within the same zone and vicinity but which, because of special circumstances and practical difficulties or unnecessary hardships, is denied to the property in question;

(iii) The exception would not constitute a special grant of privilege.

Section 8 Section 12.03 of the Los Angeles Municipal Code is amended by adding the following definition:

RIVER DESIGN GUIDELINES. (Ordinance number XXX,XXX.) River Design Guidelines apply to projects as defined by Section 11.5.4 D.

Section. 9. Subsections D and E of Section 11.5.4 of the Los Angeles Municipal Code are added to read:

D. River Design Guidelines. All Development Projects as defined in 16.05 B.1 seeking either Discretionary Approvals as defined by 16.05 B.2 or applications for density bonus incentives pursuant to Sections 12.22 A 25 (g)(2) and 12.22 A 25 (g)(3) that are located in an established RIO District shall be reviewed in accordance with the applicable River Design Guidelines. The Design Guidelines are adopted by the City Planning Commission pursuant to the authority of Chapter 10, Implementation Programs, of the City of Los Angeles General Plan Framework Element.

Applicants shall file an application with the Department of City Planning, on a form provided by the Department, and include all information required by the instructions on the application.

E. Findings. In addition to all other required findings for projects as defined above, the initial Decision Maker or appellate body on appeal must find that:

1. The project is in substantial compliance with the River Design Guidelines; or

2. Substantial compliance is impractical due to special circumstances of the project or project site, but the project meets the intent of the objectives of the River Design Guidelines.

Section 9. **CERTIFICATION.**

The City Clerk shall certify to the passage of this ordinance and have it published by posting for ten days in three public places in the City of Los Angeles: one copy on the bulletin board located at the Main Street entrance to City Hall; one copy on the bulletin board located at the ground level at the First Street entrance to the Los Angeles Police Department; and one copy on the bulletin board located at the Temple entrance to the Los Angeles County Hall of Records.

I hereby certify that this ordinance was passed by the Council of the City of Los Angeles, at its meeting of _____.

JUNE LAGMAY, City Clerk

By _____
Deputy

Approved _____

Mayor

Approved as to Form and Legality

CARMEN TRUTANICH, City Attorney

Pursuant to Charter Section 559, I **approve** this ordinance on behalf of the City Planning Commission and recommend that it be adopted ...

By _____
TERRY KAUFMANN MACIAS
Deputy City Attorney

February 9, 2012

See attached report.

Date: _____

Michael LoGrande
Director of Planning

File No(s). _____

ATTACHMENT 1 – FINDINGS

The City Planning Department recommends that the City Planning Commission, find:

1. In accordance with Charter Section 556, the proposed ordinance (Appendix A) is in substantial conformance with the purposes, intent and provisions of the General Plan. The proposed ordinance will positively contribute to the ecological dimension that is based on the improvement of water quality and supply and provision of ecological corridors for birds and wildlife as defined in Chapter 6 of the Open Space and Conservation Element; and will promote effective and efficient approaches to reducing stormwater runoff and protecting water quality as defined in Objective 9.6 of Chapter 9 of the Framework Element of the General Plan; and
2. in accordance with Charter Section 558 (b)(2), the proposed ordinance (Appendix A) will be in conformity with the public necessity, convenience, general welfare, and good zoning practice in that it will contribute toward protecting the City's natural settings from the effects of the encroachment of urban development as defined in Objective 6.1 of Chapter 6 of the Framework Element of the General Plan; and will protect and enhance the diversity and sustainability of the natural ecologies of the Santa Monica and San Pedro bays by enabling a RIO district that will require future developments to provide watershed protection and revitalization measures in accordance with the City's Conservation Element of the General Plan; and
3. in accordance with Charter Section 558 (b)(2), the proposed ordinance (Appendix A) will have no adverse effect upon the General Plan, specific plans, or any other plans being created by the Department of City Planning because the proposed ordinance is consistent with the General Plan and carries out the General Plan goals, policies and objectives discussed above.

ENVIRONMENTAL FINDING

The proposed ordinance (Appendix A) is generally exempt from the requirements of the California Environmental Quality Act (CEQA) and City guidelines for the implementation thereof pursuant to Article II, Section 2, Subsection (m) of the City of Los Angeles CEQA Guidelines. The enactment of the proposed ordinance (Appendix A) establishes rules and procedures for the adoption of future waterway-specific RIO Districts.



ITEM 6



DEPARTMENT OF CITY PLANNING
RECOMMENDATION REPORT

CITY PLANNING COMMISSION

DATE:	February 9, 2012	CASE NO:	CPC-2008-3125-CA
TIME:	8:30 AM	CEQA:	ENV-2008-3103-CE
PLACE:	City Hall, Room 350	LOCATION:	Citywide
	200 North Spring Street	COUNCIL DISTRICTS:	All
	Los Angeles, CA 90012	PLAN AREAS:	All

PUBLIC HEARING: Not Required

REQUEST: Amendments to Sections 11.5.4, 12.03, 12.04, 12.32 and 13.15 of Chapter 1 of the Los Angeles Municipal Code (LAMC) to establish the River Improvement Overlay (RIO) Supplemental Use District.

SUMMARY: A proposed ordinance (Appendix A) amending the Los Angeles Municipal Code (LAMC) to establish the River Improvement Overlay (RIO) District to enable the City of Los Angeles to facilitate appropriate development in designated areas adjacent to waterways in order to enhance the watershed, urban design and mobility of the area.

RECOMMENDATION:

1. Adopt the supplemental staff report as its report on the subject.
2. Adopt the attached findings.
3. Approve the Categorical Exemption (Appendix B) as the CEQA clearance on the subject and recommend its adoption by the City Council.
4. Approve the proposed ordinance (Appendix A) and recommend adoption by City Council.

MICHAEL J. LOGRANDE
Director of Planning


KEN BERNSTEIN, AICP
Principal City Planner


FAISAL ROBLE
Senior City Planner


CLAIRE BOWIN, AISP
City Planner

ADVICE TO PUBLIC: The exact time this report will be considered during the meeting is uncertain since there may be several other items on the agenda. Written communications may be mailed to the Commission Secretariat, 200 North Main Street, Room 532, Los Angeles, CA 90012 (Phone No. 213/978-1300). While all written communications are given to the Commission for consideration, the initial packets are sent to the week prior to the Commission's meeting date. If you challenge these agenda items in court, you may be limited to raising only those issues you or someone else raised at the public hearing agendized herein, or in written correspondence on these matters delivered to this agency at or prior to the public hearing. As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability, and upon request, will provide reasonable accommodation to ensure equal access to this programs, services and activities. Sign language interpreters, assistive listening devices, or other auxiliary aids and/or other services may be provided upon request. To ensure availability of services, please make your request no later than three working days (72 hours) prior to the meeting by calling the Commission Secretariat at 213/978-1300.

EXECUTIVE SUMMARY

This report outlines an ordinance (Appendix A) that establishes the River Improvement Overlay (RIO) District as a Supplemental Use District. The RIO that is presented here is a revised version of the draft that was presented to the City Planning Commission (CPC) on January 12, 2012. The revisions incorporate the changes suggested by the CPC at the January 12th hearing as well as in subsequent CPC sub-committee meetings. Most of the changes are directed towards projects within the inner core and include the addition of a landscape buffer, fence, gate, and riverfront door standards as well as revised access and landscaping requirements. The only change for projects in the outer core is the amendment of the landscaping requirement to require the use of either native and/or plants defined by the Los Angeles County's River Master Plan's Landscaping Guidelines and Plant Palettes. Single-family projects will be permitted to also utilize plant species included on the Metropolitan Water District's California Friendly list. Changes to the ordinance, since the January 12th version, have been highlighted in yellow in Appendix A.

SUPPLEMENTAL STAFF REPORT

BACKGROUND

At the January 12th meeting eight persons presented testimony on the RIO and LA-RIO. The majority of the speakers spoke in support of the RIO but several had suggestions for improvements to the landscaping requirements. In response to the speakers' comments, as well as concerns that a few of the commissioners raised, about access, landscaping, and river frontage connections and aesthetics, the commission established a three person sub-committee to meet with staff to identify potential modifications to the RIO ordinance.

DISCUSSION

The CPC sub-committee and staff worked together to develop a series of modifications, the majority of which are focused along the RIO's inner core. These revised standards will expand the visual breadth of the river corridor, ensure suitable habitat for local animal, bird, and insect populations, and strengthen the aesthetic continuity of, and facilitate physical connections to, river adjacent properties. Due to the expanded number of standards, staff has revised the approval process to include procedures for an Administrative Clearance, RIO Adjustment, and RIO Exception to ensure an expedient and efficient review of projects.

Revised Development Regulations

The Revised Development Regulations, which include sections 7.G.1 and 7.G.4.a-e,g-h of Appendix A, will require the incorporation of the following river-related features into all projects that involve new or substantially altered buildings or structures. The majority of the revised regulations pertain only to projects located adjacent to the river (inner core) while the first regulation pertains to projects in the outer core.

7.G.1 Landscaping

The intent is to increase the percentage of drought-tolerant and native plant species located within the vicinity of a river or waterway and to increase the availability of native and locally adaptive habitats to support the migration of local species.

Establishes a requirement that 75% of all projects' new landscaping be planted with native plants and/or plants identified in the Los Angeles County's River Master Plan's Landscaping

Access

While staff and the commission are sensitive to the need to expand public access to the river it is beyond the scope of the RIO to establish standards for public access points. With that said, the RIO can, and does, establish standards to facilitate increased access between the river and adjacent properties.

CONCLUSION

The changes addressed here strengthen the RIO to include new standards, ensuring that future RIO corridors become positive, transformative features of their communities.

ORDINANCE NO. _____

An ordinance amending Sections 11.5.4., 12.03, 12.04, 12.32 and 13.15 of Chapter 1 of the Los Angeles Municipal Code to establish the River Improvement Overlay (RIO) District and River Design Guidelines to enable the City of Los Angeles to facilitate appropriate development in designated areas adjacent to waterways in order to enhance the watershed, urban design and mobility of the area.

**THE PEOPLE OF THE CITY OF LOS ANGELES
DO HEREBY ORDAIN AS FOLLOWS:**

Section 1. Subsection D of Section 12.04 of the Los Angeles Municipal Code is hereby amended to read:

D. Certain portions of the City are also designated as being in one or more of the following districts, by the provisions of Article 3 of this chapter.

"O"	Oil Drilling District
"S"	Animal Slaughtering District
"G"	Surface Mining District
"RPD"	Residential Planned Development District
"K"	Equinekeeping District
"CA"	Commercial and Artcraft District
"POD"	Pedestrian Oriented District
"CDO"	Community Design Overlay District
"MU"	Mixed Use District
"FH"	Fence Height District
"SN"	Sign District
"RFA"	Residential Floor Area District
"NSO"	Neighborhood Stabilization Overlay District
"CPIO"	Community Plan Implementation Overlay District
"RIO"	<u>River Improvement Overlay District</u>

The "**Zoning Map**" is amended to indicate these districts and the boundaries of each district.

Land classified in an "O" Oil Drilling District, "S" Animal Slaughtering District, "G" Surface Mining District, "RPD" Residential Planned Development District, "K" Equinekeeping District, "CA" Commercial and Artcraft District, "POD" Pedestrian Oriented District, "CDO" Community Design Overlay District, "MU" Mixed Use District, "FH" Fence Height District, "SN" Sign District, "RFA" Residential Floor Area District, "NSO", "CPIO" Community Plan Implementation Overlay District or "RIO" River Improvement Overlay District" is also classified in one or more zones, and land classified in the "P" Automobile Parking Zone may also be classified in an "A" or "R" Zone.

APPENDIX A

These classifications are indicated on the "Zoning Map," with a combination of symbols, e.g., R2-2-O, C2-4-S, M1-3-G, M1-1-P and R2-O, C2-G, etc., where height districts have not been established. (Amended by Ord. No. 174,552, Eff. 6/16/02.)

Section 2. The district listing in Subdivision 2 of Subsection S of Section 12.31 of the Los Angeles Municipal Code is hereby amended to read:

(b) **Districts.** In order to carry out the provisions of this article, the following districts are established:

"O"	Oil Drilling District
"S"	Animal Slaughtering District
"G"	Surface Mining District
"RPD"	Residential Planned Development District
"K"	Equinekeeping District
"CA"	Commercial and Artcraft District
"POD"	Pedestrian Oriented District
"CDO"	Community Design Overlay District
"MU"	Mixed Use District
"FH"	Fence Height District
"SN"	Sign District
"RFA"	Residential Floor Area District
"NSO"	Neighborhood Stabilization Overlay District
"CPIO"	Community Plan Implementation Overlay District
"RIO"	<u>River Improvement Overlay District</u>

Section 3 Paragraph (b) of Subdivision 3 of Subsection S of Section 12.32 of the Los Angeles Municipal Code is amended to read as follows:

(2) **Additional Requirements for Application.** Except for CPIO Districts, which may not be established through the application procedure, one or more of the owners or lessees of property within the boundaries of the proposed district may submit a verified application for the establishment of a district. An application for the establishment of a Commercial and Artcraft District, a Pedestrian Oriented District, an Equinekeeping District, a Community Design Overlay District, a Mixed Use District, a Sign District, a Residential Floor Area District, a Neighborhood Stabilization Overlay District, or a RIO District shall contain the signatures of at least 75 percent of the owners or lessees of property within the proposed district. An application for the establishment of a Fence Height District shall contain the signatures of at least 50 percent of the owners or lessees of property within the proposed district. An application shall be accompanied by any information deemed necessary by the Department.

Section 4. Subparagraph (3) of paragraph (c) of Subdivision 3 of Subsection S of Section 12/32of the Los Angeles Municipal Code is hereby amended to read:

(3) **Time for Commission to Act on Application.** The City Planning Commission shall act on an application to establish an "O," "S," "G," "K," "CA," "POD," "CDO," "MU," "FH," "SN," "RFA," "NSO," "CPIO," or "RIO" District within 75 days from the date of the filing of the application. The City Planning Commission shall act on an application to establish an "RPD" District within 75 days from receipt of the Subdivision Committee report and recommendation. The City Planning Commission shall act on proceedings initiated by the Council within 75 days of receipt of that action from the Council, or within the time that the Council may otherwise specify. (Amended by Ord. No. 174,552, Eff. 6/12/02.)

Section 5. Paragraph (c) of Subdivision 4 of Subsection S of Section 12.32 of the Los Angeles Municipal Code is hereby amended to read:

(c) **Procedures.** Applicants for Projects that comply with the provisions of an adopted Commercial and Artcraft District, Pedestrian Oriented District, Community Design Overlay District, Mixed Use District, Community Plan Implementation Overlay District, or River Improvement Overlay District shall submit plans to the Director for an Administrative Clearance. The Director or his/her designee shall review the Project for compliance with the applicable Supplemental Use District development regulations. Projects that do not qualify for Administrative Clearance shall follow the procedures set forth in the applicable Supplemental Use District.

Section 56. The Section list of Article 3 of Chapter 1 of the Los Angeles Municipal Code is hereby amended to read:

- | | |
|---------|---|
| Section | |
| 13.01 | "O" Oil Drilling Districts |
| 13.02 | "S" Animal Slaughtering Districts |
| 13.03 | "G" Surface Mining Operations Districts |
| 13.04 | "RPD" Residential Planned Development Districts |
| 13.05 | "K" Equinekeeping Districts |
| 13.06 | Commercial and Artcraft Districts |
| 13.07 | Pedestrian Oriented District |
| 13.08 | "CDO" Community Design Overlay District |
| 13.09 | Mixed Use District |
| 13.10 | Fence Heights District |
| 13.11 | "SN" Sign District |
| 13.12 | "NSO" Neighborhood Stabilization Overlay District |
| 13.13 | "RFA" Residential Floor Area District |
| 13.14 | "CPIO" Community Plan Implementation Overlay District |
| 13.15 | <u>"RIO" River Improvement Overlay District"</u> |
| 13.16 | Violation |

Section 67. Section 13.15 of the Los Angeles Municipal Code is hereby amended to read:

SEC. 13.15. "RIO" RIVER IMPROVEMENT OVERLAY DISTRICT.

A. Purpose. This section sets forth procedures, guidelines and standards for the establishment of River Improvement Overlay (RIO) Districts within river and/or tributary (river) adjacent areas throughout the City. The purpose of a RIO District is to:

1. Support the goals of the Los Angeles River Revitalization Master Plan
2. Contribute to the environmental and ecological health of the City's watersheds;
3. Establish a positive interface between river adjacent property and river parks and/or greenways;
4. Promote pedestrian, bicycle and other multi-modal connection between the River and its surrounding neighborhoods.
5. Provide native habitat and promote the health and mobility of support local species;
6. Provide an aesthetically pleasing environment for pedestrians and bicyclists accessing the River area; and
7. Provide public access from non-single family River adjacent properties to the River at least every one-half mile;.

B. Establishment of Districts. The City Council may establish new districts, or change boundaries of districts, by following the procedures set forth in Section 12.32S of this Code. Precise boundaries are required at the time of application to expand or create a RIO district. The RIO District shall include all public and private land uses within its boundaries.

C. Definitions. For the purposes of this section, the following words and phrases are defined as follows:

Adjacent. Properties whose property lines abut a river and/or abut a river frontage road.

ADA. American with Disabilities Act

California-Friendly Plants. Plants defined as drought tolerant and suitable to Southern California by the Metropolitan Water District. A full list of plants is

available at: <http://www.thegarden.org/siteDocs/resources/CAFriendlyList-botanical.pdf>.

Frontage Road. A public right-of-way that runs parallel to, and immediately abutting the river.

Inner Core. Projects located adjacent to the river.

Invasive Plants. Plants identified by the California Invasive Plant Council (CAL-IPC) and included on the California Invasive Plant Inventory at: <http://www.cal-ipc.org/ip/inventory/pdf/Inventory2006.pdf>.

Los Angeles County's River Master Plan's Landscaping Guidelines and Plant Palettes. A plant palette comprised primarily of native plants suitable for a riparian habitat. The Guidelines can be found at: http://ladpw.org/wmd/watershed/LA/LARPlanting_guidelineswebversion.pdf.

Outer Core. Projects not located adjacent to the river

Native Plant. A native plant is one that occurs naturally in a given geographic area. These can be trees, flowers, grasses or any other plants included in the California Native Plant Library at: http://www.theodorepayne.org/mediawiki/index.php?title+Main_Page.

Project. The erection, construction, addition to, or exterior structural alteration of any building or structure located within the a River Improvement District. A Project does not include construction work that consists solely of (1) interior remodeling, interior rehabilitation work or repair work; (2) alterations of, including structural repairs, or additions to, any existing building in which the aggregate value of the work, in any one 24-month period, is less than fifty percent of the building's replacement cost before the alterations or additions as determined by the Department of Building and Safety (DBS). Construction costs are based on a valuation table available on the DBS website. The table lists the cost of construction per square foot.

Public-Right-of-Way (ROW). A parcel of land over which the public can legally traverse. Usually a street, road, sidewalk, or footpath.

River. A general term for a body of flowing water. SA river treams may be classified as follows in relation to time: perennial (flows continuously), intermittent (flows seasonally).

A stream:

Riverfront Door. An exterior door of a Project that faces and is directly accessible from the adjacent river corridor or river frontage road.

River frontage Road. A roadway that runs roughly parallel to, and directly adjacent to, the river corridor.

Stream. A general term for a body of flowing water. In hydrology the term is generally applied to the water flowing in a natural channel as distinct from a canal. Stream gaging is applied to the water flowing in any channel, natural or artificial. Streams may be classified as follows in relation to time: perennial (flows continuously), intermittent (flows seasonally).

D. Approval of River Design Guidelines. In establishing any individual River Improvement Overlay District, the Director of Planning shall prepare, and the City Planning Commission shall approve by resolution, River Design Guidelines applicable to design overlay areas. These Guidelines and Standards shall be adopted or amended according to the following procedures and criteria:

1. Initiation. Preparation or amendment of the Guidelines may be initiated by the Director of Planning, The City Planning Commission or City Council.

2. Preparation and Content. Upon initiation, the Director shall prepare, or cause to be prepared, proposed Guidelines based on the design policies contained in the Los Angeles River Revitalization Master Plan.

The Guidelines are in addition to those set forth in the planning and zoning provisions of Los Angeles Municipal Code (LAMC) Chapter 1, as amended and any other relevant ordinances and do not convey any rights not otherwise granted under the provisions and procedures contained in that chapter and other relevant ordinances, except as specifically provided herein.

Furthermore, nothing in the Guidelines shall interfere with any previously granted entitlements, nor shall they restrict any right authorized in the underlying zone or height district.

3. Commission Hearing and Notice. The proposed or amended Guidelines shall be set for a public hearing before the City Planning Commission or a hearing officer as directed by the City Planning Commission prior to the Commission action. Notice of the hearing shall be given as provided in Section 12.24D2 of this Code.

4. Reports. If a hearing officer is designated to conduct the public hearing, after the conclusion of the hearing, the hearing officer shall submit his report to the City Planning Commission within a period of time as may be fixed by the Commission, setting forth his or her conclusions and recommendations in writing and stating briefly the reasons therefore.

5. Decision by City Planning Commission. The City Planning Commission shall, by resolution, approve, modify or disapprove the proposed Guidelines. If the City Planning Commission fails to act within 75 days from the receipt of the report and recommendations of the Planning Department, the proposed Guidelines shall automatically be submitted to the City Council for action. In approving the Guidelines, the City Planning Commission or Council shall find that they are consistent with the policies of the Los Angeles River Revitalization Master Plan and the purposes of this section.

E. Application. In establishing any individual River Improvement Overlay District, the City Council may adopt all of the regulations contained in Subsection F below, however, one or more of these standards set forth in these regulations may be superseded by development standards established in the individual River Improvement Overlay District ordinance. An individual River Improvement Overlay District ordinance shall apply to a particular geographical area. In the event that ordinance does not include new standards pertaining to development, all of the standards set forth in Subsection F, hereof shall apply. The regulations contained in this section are in addition to the use and area regulations applicable to the underlying zone. If the provisions of this section conflict with any other city-wide regulations, then the most restrictive requirements of ~~this section~~ shall prevail.

F. Issuance of Permits. The Department of Building and Safety shall not issue a building permit for a Project within either the Inner or Outer Core area of a River Improvement Overlay District, unless an Administrative Clearance, RIO Adjustment, or RIO Exception has been obtained pursuant to the applicable procedures in Subsection I.

FG. Development Regulations. The Department of Building and Safety shall not issue a building permit for a Project within either the Inner or Outer Core area of a River Improvement Overlay District unless the Project Projects shall conforms to all of the following development regulations, or to the regulations in a specific River Improvement District, if applicable.

1. Landscaping shall conform to the following regulations:

(a) Native and/or California Friendly Plants. 75 percent of the a single family Project's newly landscaped area, located within the outer core, shall be planted with either indigenous native trees, plants and shrubs and/or species defined as California Friendly, and or species defined by the Los Angeles County's River Master Plan's Landscaping Guidelines and Plant Palettes.

(b) Native and/or County Landscaping Guidelines. With the exception of single family homes, 75 percent of a Project's newly landscaped area, located within the outer core, shall be planted with either, indigenous

native trees, plants and/or shrubs and/or species as defined by the Los Angeles County's River Master Plan's Landscaping Guidelines and Plant Palettes.

(bc) Invasive Plants. All existing weedy invasive plants identified by the California Invasive Plant Council (CAL-IPC) shall be removed, and any plants identified by the CAL-IPC shall not be permitted.

2. Screening

(a) Loading areas and off-street parking facilities of three spaces or more, either on a surface lot or in a structure, shall be effectively screened from abutting public-right-of ways and the River. However, such screening shall not obstruct vehicle site distances, entrances and exits and shall consist of one or a combination of the following:

- (1) A strip at least five feet in width of densely planted shrubs or trees which are at least two feet high at the time of planting and are of a type that may be expected to form, within three years after time of planting, a continuous, unbroken, year round visual screen, or
- (2) A wall, barrier or fence of uniform appearance. Such wall, barrier, or fence may be opaque or perforated provided that not more than fifty percent of the face is open. The wall, barrier, or fence shall, when located in either the rear or side yards shall be at least four feet and not more than six feet in height.

(b) Electrical transformers, mechanical equipment, water meters and other equipment shall be screened from public view. The screening may be opaque or perforated provided that not more than fifty percent of the face is open. The screen shall be at least six inches taller than the equipment and not more than 2 feet taller than the equipment.

(c) Exterior trash enclosures shall:

- (1) be designed to complement the primary building with a wall height that exceeds the disposal unit it is designed to contain by 18 inches,
- (2) have a solid roof to deter birds and to block views from adjacent properties,
- (3) shall be comprised of solid metal doors that accommodate a lock and shall remain closed when not in use, and
- (4) shall not be constructed of chain link or wood.

3. Exterior Site Lighting

(a) All site and building mounted lighting shall be designed such that it produces a maximum initial luminance value no greater than 0.20 horizontal and vertical foot candles at the site boundary and no greater than 0.01 horizontal foot candles 15 feet beyond the site. No more than 5.0 percent of the total initial designed

lumens shall be emitted at an angle of 90 degrees or higher from nadir (straight down).

(b) All low pressure sodium, high pressure sodium, metal halide, fluorescent, quartz, incandescent greater than 60 watts, mercury vapor, and halogen fixtures shall be fully shielded in such a manner as to preclude light pollution or trespass on abutting public right-of-way, park, open space, or River.

(c) All site and building mounted lighting shall be directed away from properties, waterbodies, parks and roadways, and shielded as necessary.

54. Projects located partially and/or wholly within the Inner Core shall also conform to the following regulations:

a. Landscaping. 75 percent of any Project's newly landscaped area shall be planted with indigenous native trees, plants and shrubs as defined by. The use of native plants, for the 75% of the landscaped area required to incorporate native plants, shall be limited to those plant species described in the Los Angeles County's River Master Plan's Landscape Guidelines and Plant Palettes. The Guidelines can be found at <http://ladpw.org/wmd/watershed/LA/LARPlantingguidelineswebversion.pdf>.

b. Landscape Buffer. Provide a 10' landscape buffer between the Project's property line and either the river corridor or the adjacent river frontage street, where applicable. Building structures and/or parking shall not be permitted within the 10' landscape buffer.

c. Fence. Design all fences located within 10' of the river corridor and/or a river frontage street to be consistent with the fence designs identified in the Los Angeles County's River Master Plan's Landscape Guidelines. With the exception of single family homes, all Projects shall be required to maintain a visual connection between the river corridor and/or frontage road and the abutting property.

d. Fence Height. Design all fences, located within less than 10' of the river corridor, to be no higher than 6' in height, and design all fences, located at the 10' landscape buffer setback line, to not exceed 10' in height unless a lower height limit exists, in which case the lower height limit shall prevail. A fence located within a landscape buffer that is also a project's front yard shall be limited in height to 3.6'

e. Gates. Design all fences located within 10' of the river corridor and/or a river frontage street to be consistent with the gate designs identified in the Los Angeles County's River Master Plan's Landscape Guidelines. The gate height shall be consistent with the adjacent fence height and shall be

designed to not encroach into either the river and/or street public right-of-way when opened.

f. Noise. All projects subject to a conditional use permit for the sale or dispensing of alcoholic beverages, including beer and wine, shall incorporate noise-attenuating features (physical as well as operational) designed by a licensed acoustical sound engineer to assure that operational sounds shall be inaudible at the property line(s) of properties on the opposite bank.

g. River Access. With the exception of single-family homes, all river adjacent projects, that partially or wholly abut the river, shall provide design, develop, and install ADA compliant access gates from their property to the River. Access may be controlled and limited to residents and/or employees and/or visitors of the project.

e. With the exception of single-family homes, projects with river frontage in excess of 200 linear feet and more than 400 linear feet from a public access point to the river shall include a pedestrian walkway to the river. An additional walkway is required for each additional 400 linear feet of river frontage. Access to the river via the walkway shall be available consistent with the hours of public access to the river.

h. Riverfront Door. All projects located either adjacent to the river corridor or frontage road shall include a Riverfront Door visible to, and accessible from the river corridor or frontage road.

Exceptions

(a). An exception to the native plant California Friendly, Native and/or Los Angeles County's River Master Plan's Landscape Guidelines requirement can be made on a 1:1 replacement ratio for horticulture such as herbs, fruit, or vegetables for up to 100% of the landscaped area.

(b). An exception to the native plant requirement shall be made for up to 100 percent of an area established as a community food garden.

G. Restrictions. The establishment of a Sign District is not permitted within a RIO District.

GH. Review Procedures for Projects within a RIO District. For all Projects within a RIO District, an applicant shall follow the applicable procedures set forth below:

1. **Application.** All Projects proposed within a RIO District shall be submitted with an application for a RIO approval to be filed with the Department of City Planning on a form provided by the Department, and include all information required by the instructions on the application and the guidelines adopted by the Director of Planning. Prior to deeming the application complete, the Director shall determine and, if necessary, advise the applicant of the processes to be followed, materials to be submitted, and fees to be paid. The granting of a RIO approval shall not imply, or be deemed to constitute, compliance with any other applicable provisions of this Code.

2. **Administrative Clearance - Authority of the Director.** An applicant for a Project that complies with the provisions of an adopted RIO District shall submit plans to the Director for an Administrative Clearance pursuant to Section 12.32 S.4. Projects which do not comply with the applicable RIO District regulations may request relief through the procedures set forth in Subsections 3. and 4. of this section.

3. **River Implementation Overlay Adjustment - Director Authority with Appeals to the Area Planning Commission.** The Director or the Director's designee shall have initial decision-making authority to grant a RIO Adjustment with an appeal to the Area Planning Commission in accordance with the procedures set forth in Section 11.5.7 C.4. - 6. of this Code.

(a) **Limitations.** Unless otherwise limited by a RIO District, a RIO Adjustment shall be limited to deviations of up to 20 percent from the quantitative supplemental development regulations or minor adjustments from the qualitative supplemental development regulations in an adopted RIO Subarea.

Each adopted RIO ordinance shall indicate those development regulations which are not eligible for an adjustment through this Section. If an application requests more than one RIO Adjustment, the Director may advise the applicant, prior to the application being deemed complete, that the request be filed and processed as a RIO exception, pursuant to Subsection 4. of this section. To the extent that a RIO contains sign regulations, signs shall not qualify for relief through a RIO Adjustment. All other Projects seeking relief from any development regulation which contains prohibition language, or development regulations otherwise designated in the RIO as not eligible for adjustments, shall be processed through the RIO Exception procedures listed under Subsection 4. of this section.

(b) Findings. The Director's determination shall include written findings in support of the determination. In order to approve a proposed project pursuant to this subsection, the Director must find that:

(i) There are special circumstances applicable to the project or project site which make the strict application of the RIO regulation(s) impractical;

(ii) The project, as approved, is consistent with the purpose and intent of the RIO and substantially complies with the applicable RIO regulations;

(iii) In granting the adjustment, the Director has considered and found no detrimental effects of the adjustment on surrounding properties or public rights-of-way;

(iv) The project incorporates mitigation measures, monitoring of measures when necessary, or alternatives identified in the environmental review which would mitigate the negative environmental effects of the project, to the extent physically feasible; and

4. Exceptions from a "RIO" - Area Planning Commission Authority with Appeals to the City Council.

(a) Area Planning Commission Authority. The Area Planning Commission shall have initial decision-making authority for granting exceptions from RIO regulations with an appeal to the City Council in accordance with the procedures set forth in Subdivisions 3. - 8. of Subsection F. of Section 11.5.7 of this Code.

In granting an exception from RIO regulations, the Area Planning Commission shall impose conditions to remedy any resulting disparity of privilege, to protect the public health, safety, welfare, and to assure compliance with the objectives of the General Plan and the purpose and intent of the RIO District. An exception from a RIO regulation shall not be used to grant a special privilege, nor to grant relief from self-imposed hardships.

(b) Findings. The Area Planning Commission may permit an exception from a RIO regulation not involving signage if it makes all the following findings:

(i) The strict application of the RIO regulations to the subject property would result in practical difficulties or unnecessary hardships inconsistent with the general purpose and intent of the RIO District and its regulations;

(ii) There are exceptional circumstances or conditions applicable to the subject property involved or to the intended use or development of the subject property that do not apply generally to other properties in the RIO District;

(iii) An exception from the RIO regulation is necessary for the preservation and enjoyment of a substantial property right or use generally possessed by other property within the RIO District within the same zone and vicinity but which, because of special circumstances and practical difficulties or unnecessary hardships, is denied to the property in question;

(iv) The granting of an exception will not be detrimental to the public welfare or injurious to the property or improvements adjacent to or in the vicinity of the subject property; and

(v) The granting of an exception will be consistent with the principles, intent and goals of the RIO District and any applicable element of the General Plan.

The Area Planning Commission may permit an exception from a RIO regulation concerning signage if it makes all the following findings:

(i) Strict compliance would result in practical difficulty or unnecessary hardship inconsistent with the purposes of the zoning restrictions due to unique existing physical circumstances on the subject property;

(ii) An exception from the RIO regulation is necessary for the preservation and enjoyment of a substantial property right or use generally possessed by other property within the RIO District within the same zone and vicinity but which, because of special circumstances and practical difficulties or unnecessary hardships, is denied to the property in question;

(iii) The exception would not constitute a special grant of privilege.

Director's Determination. If a proposed Project fails to meet the development standards the applicant may apply to the Director of Planning for a Director's Determination. Such application shall be filed in the public office of the Department of City Planning upon a form prescribed for that purpose. The filing fee shall be equivalent to that established for "Approval of plan required for Supplemental Use District", set forth in Section 19.01A of the Los Angeles Municipal Code. The application shall be accompanied by architectural, landscape and structural plans for the Project, or other information, to the satisfaction of the Director of Planning.

1. **Determination.** The Director or the Director's designee shall make a determination of approval or conditional approval within 25 days of the Department's acceptance of an application. Notice of the Director's determination shall be mailed to the applicant, the Councilmember in whose District the project is located, and to all owners and lessees of property within a radius of 500 feet of the project. The determination by the Director shall include written findings in support of the determination. In order to approve a proposed construction project pursuant to this subsection, the Director must find that:

(a) The project conforms with the intent of the development regulations contained in the specific River Improvement Overlay District ordinance.

(b) The strict application of the specific RIO district regulations would result in practical difficulties or unnecessary hardships inconsistent with the general purposes and intent of the specific RIO district.

(c) There are special circumstances applicable to the subject property such as size, shape, topography, geology, location or surroundings that do not apply generally to other property in the same zone and vicinity.

2. Appeals. The determination of the Director shall become final after an elapsed period of 15 days from the date of mailing of the determination to the applicant, unless an appeal is filed with the Area Planning Commission within that period. Appeals shall be processed in accordance with Section 12.24B through I of this Code, except as otherwise provided here.

3. Notification to Department of Building and Safety. When a determination of the Director becomes final, the Director or Director's designee shall send a written notice of the determination to the Department of Building and Safety. If the Director approves the Project, this approval shall be so indicated on the building permit application and building plans.

Section 7-8 Section 12.03 of the Los Angeles Municipal Code is amended by adding the following definition:

RIVER DESIGN GUIDELINES. (Ordinance number XXX,XXX.) River Design Guidelines apply to projects as defined by Section 11.5.4 D.

Section. 89. Subsections D and E of Section 11.5.4 of the Los Angeles Municipal Code are added to read:

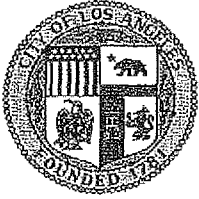
D. River Design Guidelines. All Development Projects as defined in 16.05 B.1 seeking either Discretionary Approvals as defined by 16.05 B.2 or applications for density bonus incentives pursuant to Sections 12.22 A 25 (g)(2) and 12.22 A 25 (g)(3) that are located in an established RIO District shall be reviewed in accordance with the applicable River Design Guidelines. The Design Guidelines are adopted by the City Planning Commission pursuant to the authority of Chapter 10, Implementation Programs, of the City of Los Angeles General Plan Framework Element.

Applicants shall file an application with the Department of City Planning, on a form provided by the Department, and include all information required by the instructions on the application.

E. Findings. In addition to all other required findings for projects as defined above, the initial Decision Maker or appellate body on appeal must find that:

1. The project is in substantial compliance with the River Design Guidelines; or

2. Substantial compliance is impractical due to special circumstances of the project or project site, but that the project meets the intent of the objectives of the River Design Guidelines.



DEPARTMENT OF CITY PLANNING RECOMMENDATION REPORT



CITY PLANNING COMMISSION

DATE:	January 12, 2012	CASE NO:	CPC-2008-3125-CA
TIME:	8:30 AM	CEQA:	ENV-2008-3103-CE
PLACE:	City Hall, Room 350 200 North Spring Street Los Angeles, CA 90012	LOCATION:	Citywide
		COUNCIL DISTRICTS:	All
		PLAN AREAS:	All

PUBLIC HEARING: Required

REQUEST: Amendments to Sections 11.5.4, 12.03, 12.04, 12.32 and 13.15 of Chapter 1 of the Los Angeles Municipal Code (LAMC) to establish the River Improvement Overlay (RIO) Supplemental Use District.


SUMMARY: A proposed ordinance (Appendix A) amending the Los Angeles Municipal Code (LAMC) to establish the River Improvement Overlay (RIO) District to enable the City of Los Angeles to facilitate appropriate development in designated areas adjacent to waterways in order to enhance the watershed, urban design and mobility of the area.

RECOMMENDATION:

1. **Adopt** the staff report as its report on the subject.
2. **Adopt** the attached findings.
3. **Approve** the Categorical Exemption (Appendix B) as the CEQA clearance on the subject and recommend its adoption by the City Council.
4. **Approve** the proposed ordinance (Appendix A) and recommend adoption by City Council.

MICHAEL J. LOGRANDE
Director of Planning


KÉN BERNSTEIN
Principal City Planner


CLAIRE BOWIN, AICP
City Planner

ADVICE TO PUBLIC: *The exact time this report will be considered during the meeting is uncertain since there may be several other items on the agenda. Written communications may be mailed to the *Commission Secretariat, 200 North Main Street, Room 532, Los Angeles, CA 90012* (Phone No. 213/978-1300). While all written communications are given to the Commission for consideration, the initial packets are sent to the week prior to the Commission's meeting date. If you challenge these agenda items in court, you may be limited to raising only those issues you or someone else raised at the public hearing agendized herein, or in written correspondence on these matters delivered to this agency at or prior to the public hearing. As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability, and upon request, will provide reasonable accommodation to ensure equal access to this programs, services and activities. Sign language interpreters, assistive listening devices, or other auxiliary aids and/or other services may be provided upon request. To ensure availability of services, please make your request no later than three working days (72 hours) prior to the meeting by calling the Commission Secretariat at 213/978-1300.

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EXECUTIVE SUMMARY

This report outlines an ordinance (Appendix A) that establishes the River Improvement Overlay (RIO) District as a Supplemental Use District. The RIO that is presented here is a revised version of an earlier draft that was approved by the City Planning Commission on February 12, 2009. The revised RIO will establish new standards that facilitate appropriate development in designated areas adjacent to waterways in order to enhance the watershed and urban design of the area.

The RIO Supplemental Use District is enabling legislation for overlay districts that will guide the revitalization of rivers and their surrounding neighborhoods. The revised RIO establishes new design standards that will apply to all new projects within an established RIO corridor. Over time, the implementation of multiple RIO Districts, each adapted for different river communities, will increase awareness of, and sensitivity to, the eco-systems and native habitats that have suffered severe neglect and degradation as a result of the concrete channelization of Los Angeles' rivers.

STAFF REPORT

REQUEST

The City Council adopted a master plan for the revitalization of the Los Angeles River in May 2007. As part of that action, the City Council directed the Department of City Planning to implement an overlay zone to create an interface between the Los Angeles River and the communities that lie adjacent to it. The proposed ordinance (Appendix A) is enabling legislation to implement such a district for the Los Angeles River, as well as other local rivers and waterways.

BACKGROUND

Los Angeles experienced rapid growth in the 20th century, which ultimately left most of Los Angeles covered with impermeable surfaces. The resulting lack of significant on-site water infiltration has caused the diversion of large amounts of polluted urban stormwater runoff into the channels, resulting in polluted water draining directly into the Pacific Ocean. Consequently, the amount of groundwater available in our aquifers is diminishing due to restricted infiltration.

Furthermore, as Los Angeles' population increased, the unpredictable patterns of rain and flooding contributed toward loss of human life and property. In an effort to protect existing development and ensure public safety and the safety of future development, most rivers were channelized with concrete.

These channelized rivers function today primarily as part of the stormwater drainage system. In addition to the Los Angeles River, the City storm drainage system consists of numerous channelized tributaries, rivers, streets (including gutters), approximately 1,500 miles of storm drains beneath the streets, approximately 50,000 catch basins that collect runoff from the streets, several large spreading grounds, and several pumping facilities. During dry weather the combined County and City storm drainage systems carry tens of millions of gallons of runoff (e.g., treated waste water, lawn irrigation, etc.) daily. During storms it carries billions of gallons of storm runoff per day via open flood control channels directly to the ocean or to collection systems.

These river channels have largely become neglected, inaccessible urban landscapes that have attracted a high concentration of blighted land uses. Over the past two decades, the City and other organizations have recognized the loss of recreational, environmental and financial value resulting

from these channelized waterways and have engaged in efforts to address the public safety issue in ways that simultaneously revitalize the City's rivers, streams and creeks.

These efforts have occurred across the region, and have been initiated by the City and/or other agencies. The efforts are numerous, and include the following: the Lower Tujunga Wash Greenway/Bikeway Project created a 10-acre linear parkway along both sides of the Tujunga Wash; the Central Arroyo Seco Stream Restoration project re-established habitat for native fish; the Tujunga/Pacoima Watershed Plan focuses on optimizing opportunities for a sustainable local water supply, and supporting native habitat and an improved quality of life; and the Ballona Wetlands is undergoing an ecosystem restoration that spans over 600 acres. The RIO provides an opportunity to build on these efforts and establish cohesive standards to increase the availability of native habitat, promote the health of local species, and provide an aesthetically pleasing environment for pedestrians and bicyclists.

At a time of renewed urban investment and environmental awareness, many cities throughout the country have been restoring their deteriorated urban waterways into recaptured oases. The RIO, along with the many other river-related strategies and efforts, brings Los Angeles to the forefront of this movement.

DISCUSSION

An earlier version of the RIO, along with the first RIO, the Los Angeles River Improvement Overlay (LA-RIO), was originally approved by the City Planning Commission (CPC) on February 12, 2009. Following the CPC hearing, the RIO and LA-RIO were approved on March 23, 2009 by a joint committee meeting of the Ad-Hoc River and Planning and Land-Use Management (PLUM) Committees and forwarded on to the City Council. On April 8, 2009 the City Council forwarded the documents on to the City Attorney for review as to form and legality.

Following a lengthy review by the City Attorney, comments were provided to the Department in March 2010. The comments expressed concern that the guidelines described in the earlier LA-RIO were too vague and that it would be difficult to ascertain whether a project had indeed complied with the ordinance or not.

With the City Attorney's concerns in mind, the Department began to evaluate an appropriate revision. At the outset of this next step, the Department recognized that a number of new ordinances and guidelines had been, or were soon to be, adopted that overlapped with many of the goals and objectives of the original LA-RIO. These included the Low-Impact Development Ordinance, the California Model Landscape Ordinance, and Citywide Design Guidelines. In addition, the Department identified a number of Specific Plans, Community Design Overlay Districts, and Streetscape Plans that either existed and/or were proposed for the LA-RIO corridor that had standards consistent with many of the guidelines in the original LA-RIO. When the Department took a look at all of these factors, coupled with the current momentum to streamline the rather lengthy, and cumbersome development approval process, it seemed appropriate to step back and identify what made a RIO corridor unique. Ultimately, staff sought to establish standards and guidelines to protect and enhance that uniqueness without burdening property owners with overlapping requirements.

The resulting document presented here (Appendix A) meets those objectives. The new RIO and LA-RIO, while similar in intention to the originals, are structured somewhat differently. As before, the enabling ordinance, the RIO, is proposed to be adopted simultaneously with the first RIO, the LA-RIO. But whereas the original RIO was administrative in nature and left specific standards to be described by the individual RIO, the revised RIO includes language that will establish new design standards that apply to all new projects within a RIO corridor.

The earlier LA-RIO included Property Improvement Guidelines which established a point system comprised of three categories: Watershed, Urban Design, and Mobility. All new projects (and substantial renovations), both by-right and discretionary, with the exception of single-family projects, would have been required to comply with a minimum of 20 points from the three categories. Single-family projects would have been required to only obtain 10 points from the Watershed category and would have been exempt from the other two categories. The Property Improvement Guidelines and its accompanying point system, the Complete Green Street Standards, and Complete Green Street Guidelines of the LA-RIO have been replaced with new development requirements spelled out in the revised RIO. The proposed ordinance presented here (Appendix A) reflects these changes to streamline and improve the RIO.

RIO DISTRICT

The proposed RIO Supplemental Use District ordinance (Appendix A) adds the RIO to the list of existing Supplemental Use Districts in the Los Angeles Municipal Code (LAMC). The RIO is an enabling ordinance that sets forth procedures and standards for the adoption of river-specific RIOs. It is expected that this type of supplemental use district will be established for areas near various rivers located within the City's boundaries.

The purpose of a RIO District is to assure that development within river adjacent areas is in accordance with design policies adopted in the City's General Plan Framework while also contributing to the overall environmental and ecological health of the City's watersheds. Increased attention to the way development affects the watershed is critical to the sustainability of Los Angeles. With these objectives in mind, staff has developed a set of basic development regulations that all projects within any future RIO will have to abide by.

These standards will facilitate the provision of native habitat, support local species, facilitate the removal of invasive plants, establish a positive interface between river adjacent property and the river, provide an aesthetically pleasing environment for pedestrians and bicyclists accessing the river area, increase access to the river, and provide exterior lighting that contributes to a safe and inviting atmosphere without casting light into the night sky, adjacent properties, or sensitive habitat areas.

Development Regulations

The Development Regulations (Section 6 of Appendix A) will require the incorporation of the following river-related features into all projects that involve new or substantially altered buildings or structures. The majority of the regulations pertain to all projects within the river while a subset of regulations will pertain only to projects located adjacent to the river.

1. Landscaping

The intent is to increase the percentage of drought tolerant and native plant species located within the vicinity of a river or waterway and to increase the availability of native and locally adaptive habitats to support the migration of local species. Establishes a requirement that 75% of a project's new landscaping area be planted with either California Friendly and/or native plants depending upon whether a project is located generally within the RIO corridor or adjacent to the river. An exception is made for horticulture.

2. Screening

The intent is to reduce visual pollution in and around the River Greenway. Projects are required to screen parking, mechanical equipment and trash/recyclables areas from public view. Establishes a requirement that loading areas, off-street parking, electrical

transformers, mechanical equipment, water meters and trash enclosures be screened from public view.

3. *Exterior Site Lighting*

The intent is to reduce nighttime light pollution and improve nighttime safety and visibility. Establishes a requirement that the maximum luminance of site and building mounted lighting be limited to 0.20 horizontal and vertical foot candles and that lighting be shielded and directed away from properties, waterbodies, and parks and roadways.

4. *Projects located partially and/or wholly adjacent to a river shall also conform to the following regulations:*

The intent is to ensure that new development does not increase noise levels within the river corridor and ensure that the public has access to a public amenity.

Establishes a requirement that projects that abut the river and that require a conditional use permit for the sale or dispensing of alcoholic beverages, incorporate noise-attenuating features to assure that operational sounds are inaudible beyond the property line.

Establishes a requirement that, with the exception of single-family homes, projects that abut the River, design, develop and install wayfinding signage and ADA compliant access gates and/or ramps at the street or street-end coterminous and closest to the project site.

OUTREACH

The concept for the RIO is the direct result of a series of meetings and workshops that took place in the months during, and after, the development of the LARRMP. The meetings and workshops included discussions with numerous stakeholders, including representatives from all of the neighborhood councils that are within close proximity to the Los Angeles River, environmentalists, equestrian advocates, homeowners, industrial property owners, multi-family residential developers, and business organizations.

Although the focus of the early workshops was on a RIO solely for the Los Angeles River (LA-RIO), numerous workshop participants expressed interest in developing a "RIO" for tributaries to the Los Angeles River such as Arroyo Seco, Ballona Creek, Pacoima Wash and Tujunga Wash. With this intent in mind, the RIO Supplemental Use District was born. The RIO would provide communities the chance to adopt a supplemental use district for their individual waterway.

The first draft of the earlier versions of the RIO and LA-RIO were presented to the public in eight separate workshops during the Summer of 2007. The workshops were held on four Saturdays during July and August within distinct geographical sections of the Los Angeles River. On each of the four Saturdays, one workshop was held within the Valley area (east-west) and a second workshop was held in parallel within the Elysian Valley/Downtown (north-south) stretch of the Los Angeles River. A total of 131 persons participated in the eight workshops and their verbal and written comments were reflected in the earlier drafts of the RIO and LA-RIO. Additional comments were received following the distribution of the Mitigated Negative Declaration (MND) of the earlier LA-RIO and many of those comments were also incorporated into the earlier drafts.

Following the changes made to the RIO and LA-RIO in 2011, staff shared the revised drafts of these documents with several of the original community leaders who had provided extensive input during the development of the earlier versions. Following this input the documents were revised and

distributed on July 9, 2011 at the meeting of Plan Check NC, a citywide alliance of Neighborhood Council land-use leaders. Approximately 20 persons attended the meeting. The response to the presentation appeared favorable but no specific comments were provided to staff at the meeting. In addition, in accordance with the Department's 60 day policy notice, information about the RIO and the LA-RIO was provided to all of the Neighborhood Councils. The strong support for the earlier versions of the RIO and LA-RIO and the relative similarity of the revised documents limited the need for further lengthy community engagement.

PUBLIC HEARINGS

The Planning Department held two joint public hearings on the original RIO district and the LA-RIO on December 12, 2008 in the San Fernando Valley and on December 15, 2008 in Downtown Los Angeles. There were a total of seven speakers. The general comments concerned procedural matters with regard to the LA-RIO, statements of vision about the Los Angeles River, and overall support for the RIO concept and the LA-RIO in particular.

Outreach for the 2008 public hearings was far-reaching. An advertisement for the hearing was published in 13 newspapers serving communities by the River. A Community Notice was sent to all Neighborhood Councils, and notices were distributed at the quarterly public River Update Meeting hosted by the Los Angeles River interagency task force, posted on the lariver.org website, and sent to newspapers across the City as a request for posting in the Community Calendar (or similar) section. Notification of the public hearings was also sent to a list of over 1,000 individuals who were either participants at past LA-RIO workshops, LARRMP stakeholders, and/or interested parties.

A similar, but slightly less extensive outreach was undertaken for the public hearings for the revised versions of the RIO and LA-RIO. This second time around, advertisements for the hearings were limited to three newspapers, the *LA Times*, the *Daily News*, and *La Opinion*. Like last time, notices were sent to all of the Neighborhood Councils and the entire database of more than 1,000 individuals and organizations.

A joint public hearing on the revised versions of the RIO and LA-RIO was held on November 3rd. Thirteen people attended the hearing and two people provided verbal comments at the hearing. One of the persons providing a verbal comment reiterated their comments in a written statement as well. In the weeks following the hearing four comment letters were received, two from the members of the Studio City Neighborhood Council, one from the Studio City Residents Association, and one from Latham and Watkins on behalf of their client, NBC Universal. Based on the suggestions that were received staff have made several changes to the documents. Each of the comments pertinent to the RIO are discussed below.

Historic-Cultural Monuments

One comment requested that all projects, within proximity to Griffith Park, be designed to be "appropriate for the historic context of the Park and be reviewed by the Cultural Heritage Commission" (Commission). Certainly any RIO project that is located within the boundaries of any of the City's Historic-Cultural Monuments would be subject to review by the Commission but the Commission has no jurisdiction on areas or projects outside of the boundaries of an HCM.

Riverfront Dining

In both the public hearing and the formal comment letters, concerns were raised about the potential for noise emanating from "Riverfront Dining" that may occur along portions of the river where single family homes are located on the other side and may be subject to excessive noise. To mitigate this concern language has been added to the RIO that will require that properties who obtain a conditional use permit shall incorporate noise-attenuating features (physical as well as operations) designed by a

licensed acoustical sound engineer to assure that operational sounds shall be inaudible at the property line of properties on the opposite bank of the river.

Restrictions

Two comments suggested that the RIO should be more restrictive, and take precedence over similar provisions of the LAMC, and likewise that the more restrictive language in either a Specific Plan or RIO should prevail. Staff concurs that where the LAMC, Specific Plan, and the RIO conflict the more restrictive requirement shall prevail. Language in the RIO has been modified to reflect this.

Determination Letter

As suggested by the Studio City Residents Association and Studio City Neighborhood Council, language has been added such that the Neighborhood Council whose boundaries include a particular project will be provided with a copy of the project's Determination Letter.

Sign Districts

Several comments asked that Sign Districts be prohibited from RIO districts. Staff concurs that Sign Districts should be prohibited from RIO areas as the objectives of a Sign District are in direct conflict with the broader goals of the Los Angeles River Revitalization Master Plan (LARRMP) as well as any future RIO where the intention is to encourage, over-time, a place of respite and natural ambience. Language has been added to the RIO ordinance that will restrict the establishment of a Sign District within a RIO district.

Lighting

Two comments were made in reference to the RIO's lack of lighting standards along the river right-of-way. The RIO does not have jurisdiction of the river right-of-way, and therefore cannot impose standards in that area, but the County's Los Angeles River Master Plan (LARMP) does include standards that establish pedestrian and bicycle path lighting standards that are applicable to the river right-of-way.

Landscaping

Four of the comments suggested that the landscaping requirements in the RIO be modified. Three comments asked that the requirement for natives be relaxed to permit California Friendly plants, and the fourth comment asked that the requirement that only natives listed in the County's Los Angeles River Landscape Guidelines be planted adjacent to the river be relaxed to permit any native plant. As to the first request, staff is sensitive to the fact that many persons within the river corridors are not yet familiar with native plants and that California Friendly plants do provide some of the same benefits as native plants; however, staff also notes that native plants have become much more widely available in the past years, come in a wide variety of colors, shapes, and sizes and include deciduous as well as evergreen species. Only natives provide the unique "sense of place," are naturally suited to the environment, provide the nectar and bio-diversity to support habitat for local species, are not invasive, do not require that soil be amended, and are more resistant to pests, disease and other hazards.

In response, staff proposes to permit the use of California Friendly plants within a RIO corridor but to allow only the use of native plants adjacent to the river.

Two comments asked that maintenance practices, of any public garden, be required to employ only organic methods and materials. While staff agrees that the use of organic practices for the maintenance of any outdoor space is preferred, the implementation of such a regulation would prove difficult for two primary reasons. First, the departments and agencies that maintain public areas are often faced with the difficult task of controlling the spread of non-native and invasive plants to reduce the risk of wildfire. Without the use of some herbicides the job would prove to be an insurmountable task. Secondly, the Department of City Planning has no rational means of governing maintenance

practices. Therefore, it is impractical to regulate something that the Department cannot control the adherence to.

Access

Three comments were provided around the topic of public access. Two of the comments suggested that the RIO must provide for public access and the third comment expressed concern that requiring public access was an infringement on private property rights. Because the City's riverways, and the Los Angeles River in particular, are identified in the City's General Plan, the LARRMP, the Department of Interior's Americas Great Outdoors initiative, the National Parks Anza Trail, and the State's Rim of the Valley Trail as public assets intended to be developed as public amenities all efforts shall be made to ensure that the public has access to such amenities. Staff does recognize the concern of requiring public access across private property and therefore language in the RIO has been amended to focus public accessways at streets and street-ends that either intersect or dead-end the river.

CONCLUSION

Over the past few decades, the importance of urban waterways has been receiving increasing attention as cities throughout the world have been reclaiming them. As each river becomes a focal point of its city, the residents begin to see the benefits of a clean, attractive waterway. By restoring these waterways, residents and visitors are provided an opportunity to experience natural settings that were once lost to them.

To begin revitalizing rivers in the City, thoughtful design standards and guidelines must be in place for the neighborhoods surrounding them. The RIO will provide a powerful tool to enable communities to reclaim local rivers and waterways, including the Los Angeles River, Arroyo Seco, Ballona Creek, Pacoima Wash, and Tujunga Wash, and begin transforming them into assets that enhance the quality of life for residents and visitors alike while simultaneously improving their watersheds.

ATTACHMENT 1 – FINDINGS

The City Planning Department recommends that the City Planning Commission, find:

1. In accordance with Charter Section 556, the proposed ordinance (Appendix A) is in substantial conformance with the purposes, intent and provisions of the General Plan. The proposed ordinance will positively contribute to the ecological dimension that is based on the improvement of water quality and supply and provision of ecological corridors for birds and wildlife as defined in Chapter 6 of the Open Space and Conservation Element; and will promote effective and efficient approaches to reducing stormwater runoff and protecting water quality as defined in Objective 9.6 of Chapter 9 of the Framework Element of the General Plan; and
2. in accordance with Charter Section 558 (b)(2), the proposed ordinance (Appendix A) will be in conformity with the public necessity, convenience, general welfare, and good zoning practice in that it will contribute toward protecting the City's natural settings from the effects of the encroachment of urban development as defined in Objective 6.1 of Chapter 6 of the Framework Element of the General Plan; and will protect and enhance the diversity and sustainability of the natural ecologies of the Santa Monica and San Pedro bays by enabling a RIO district that will require future developments to provide watershed protection and revitalization measures in accordance with the City's Conservation Element of the General Plan; and
3. in accordance with Charter Section 558 (b)(2), the proposed ordinance (Appendix A) will have no adverse effect upon the General Plan, specific plans, or any other plans being created by the Department of City Planning because the proposed ordinance is consistent with the General Plan and carries out the General Plan goals, policies and objectives discussed above.

ENVIRONMENTAL FINDING

The proposed ordinance (Appendix A) is generally exempt from the requirements of the California Environmental Quality Act (CEQA) and City guidelines for the implementation thereof pursuant to Article II, Section 2, Subsection (m) of the City of Los Angeles CEQA Guidelines. The enactment of the proposed ordinance (Appendix A) establishes rules and procedures for the adoption of future waterway-specific RIO Districts.

COUNTY CLERK'S USE CITY CLERK'S USE

CITY OF LOS ANGELES
 OFFICE OF THE CITY CLERK
 200 NORTH SPRING STREET, ROOM 360
 LOS ANGELES, CALIFORNIA 90012
CALIFORNIA ENVIRONMENTAL QUALITY ACT
NOTICE OF EXEMPTION
 (California Environmental Quality Act Section 15062)

Filing of this form is optional. If filed, the form shall be filed with the County Clerk, 12400 E. Imperial Highway, Norwalk, CA 90660, pursuant to Public Resources Code Section 21152 (b). Pursuant to Public Resources Code Section 21167 (d), the filing of this notice starts a 35-day statute of limitations on court challenges to the approval of the project. Failure to file this notice with the County Clerk results in the statute of limitations being extended to 180 days.

LEAD CITY AGENCY COUNCIL DISTRICT
City of Los Angeles Department of City Planning **Citywide**

PROJECT TITLE LOG REFERENCE
 * Establishment of a Supplemental Use District for Areas Adjacent to Waterways ENV-2008-3103-CE

PROJECT LOCATION
 * Citywide

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT:
 * A code amendment to the LAMC to establish a new Supplemental Use District titled River Improvement Overlay (RIO). This code change does not implement any changes to existing development rights, nor does it establish a plan. Instead, it enables future RIOs to be enacted that will provide special development regulation near waterways in order to enhance and protect the area.

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT, IF OTHER THAN LEAD CITY AGENCY:
 * N/A

CONTACT PERSON * Deborah Kahen	AREA CODE * 213	TELEPHONE NUMBER * 978-1395	EXT.
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EXEMPT STATUS: (Check One)

	STATE CEQA GUIDELINES	CITY CEQA GUIDELINES
<input type="checkbox"/> MINISTERIAL	Sec. 15268	Art. II, Sec. 2b
<input type="checkbox"/> DECLARED EMERGENCY	Sec. 15269	Art. II, Sec. 2a (1)
<input type="checkbox"/> EMERGENCY PROJECT	Sec. 15269 (b) & (c)	Art. II, Sec. 2a (2) & (3)
<input type="checkbox"/> CATEGORICAL EXEMPTION	Sec. 15300 et seq.	Art. III, Sec. 1

Class _____ Category _____ (City CEQA Guidelines)

OTHER (See Public Resources Code Sec. 21080 (b) and set forth state and City guideline provision.)
Exemption Art. II, Sec. 2 (m)

JUSTIFICATION FOR PROJECT EXEMPTION: Pursuant to Article II, Section 2, Subsection (m), this project is exempt because adoption will create a new Supplement Use District that does not result in impacts on the physical environment. The RIO establishes rules and procedures for the adoption of future waterway-specific RIO Districts.

IF FILED BY APPLICANT, ATTACH CERTIFIED DOCUMENT ISSUED BY THE CITY PLANNING DEPARTMENT STATING THAT THE DEPARTMENT HAS FOUND THE PROJECT TO BE EXEMPT.

SIGNATURE <i>June Blumenthal</i>	TITLE Principal City Planner	DATE 1-28-09
FEE:	RECEIPT NO.	REC'D. BY
		DATE

DISTRIBUTION: (1) County Clerk, (2) City Clerk, (3) Agency Record Rev. 11-1-03 Rev. 1-31-06 Word

IF FILED BY THE APPLICANT:

* _____
 NAME (PRINTED)

* _____
 SIGNATURE

* _____
 DATE

APPENDIX C – PLANT LISTS

Botanical Name

Invasive

Abies

Abies concolor

Abies magnifica var. *magnifica*

Abies procera

Abronia

Abronia latifolia

Abronia maritima

Abronia villosa var. *villosa*

Abutilon

Abutilon palmeri

Acacia

Acacia greggii

Acalypha

Acalypha californica

Acamptopappus

Acamptopappus shockleyi

Acer

Acer circinatum

Acer glabrum

Acer macrophyllum

Acer negundo var. *californicum*

Achillea

Achillea millefolium

Achillea millefolium 'Calistoga'

Achillea millefolium 'Island Pink'

Achillea millefolium 'Sonoma Coast'

Achnatherum

Achnatherum coronatum

Achnatherum hymenoides

Achnatherum speciosum

Adenostoma

Adenostoma fasciculatum

Adenostoma fasciculatum

Adenostoma fasciculatum 'Black Diamond'

Adenostoma fasciculatum 'Nicolas'

Adenostema sparsifolium

Adiantum

Adiantum aleuticum

Adiantum capillus-veneris

Adiantum capillus-veneris

Adiantum capillus-veneris 'Fimbriata'

Adiantum jordanii

Aesculus

Aesculus californica

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Agastache

Agastache urticifolia

Agastache urticifolia

Agastache urticifolia 'Summer Breeze'

Agave

Agave deserti

Agave shawii

Agave utahensis

Agoseris

Agoseris grandiflora

Agoseris retrorsa

Agrostis

Agrostis pallens

Agrostis pallens

Agrostis pallens 'Camp Pendelton'

Allium

Allium dichlamydeum

Allium falcifolium

Allium haematochiton

Allium howellii var. *clokeyi*

Allium hyalinum

Allium membranaceum

Allium peninsulare var. *peninsulare*

Allium praecox

Allium unifolium

Allium validum

Alnus

Alnus rhombifolia

Alnus rubra

Aloysia

Aloysia wrightii

Ambrosia

Ambrosia chamissonis

Ambrosia chenopodiifolia

Ambrosia dumosa

Ambrosia psilostachya

Ambrosia pumila

Amelanchier

Amelanchier alnifolia

Amorpha

Amorpha californica

Amorpha fruticosa

Andropogon

Andropogon glomeratus var. *scabriglumis*

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Anemopsis

Anemopsis californica

Aniscoma

Aniscoma acaulis

Antennaria

Antennaria rosea

Antennaria rosea

Antennaria rosea 'Nyewood'

Antirrhinum

Antirrhinum multiflorum

Antirrhinum nuttallianum

Aquilegia

Aquilegia eximia

Aquilegia formosa

Aquilegia formosa 'Yellow'

Aquilegia pubescens

Arabis

Arabis blepharophylla

Arabis blepharophylla 'Spring Charm'

Arabis pulchra

Arabis sparsiflora var. *californica*

Arbutus

Arbutus menziesii

Arctostaphylos

Arctostaphylos andersonii

Arctostaphylos auriculata

Arctostaphylos auriculata

Arctostaphylos auriculata 'Diablo Blush'

Arctostaphylos auriculata 'Knobcone Point'

Arctostaphylos 'Autumn Glow'

Arctostaphylos 'Baby Bear'

Arctostaphylos bakeri

Arctostaphylos bakeri 'Louis Edmunds'

Arctostaphylos bakeri 'November Blush'

Arctostaphylos canescens ssp. *canescens*

Arctostaphylos catalinae

Arctostaphylos columbiana

Arctostaphylos cruzensis

Arctostaphylos densiflora

Arctostaphylos densiflora

Arctostaphylos densiflora 'Austin Griffiths'

Arctostaphylos densiflora 'Harmony'

Arctostaphylos densiflora 'Howard McMinn'

Arctostaphylos densiflora 'Ian Bush'

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Arctostaphylos densiflora 'James West'
 Arctostaphylos densiflora 'Sentinel'
Arctostaphylos edmundsii
 Arctostaphylos edmundsii
 Arctostaphylos edmundsii 'Bert Johnson'
 Arctostaphylos edmundsii 'Big Sur'
 Arctostaphylos edmundsii 'Carmel Sur'
 Arctostaphylos edmundsii 'Danville'
 Arctostaphylos edmundsii 'Greensphere'
 Arctostaphylos edmundsii 'Little Sur'
 Arctostaphylos edmundsii 'Rosy Dawn'
 Arctostaphylos edmundsii 'Sandsprite'
 Arctostaphylos edmundsii var. parvifolia
 Arctostaphylos edmundsii 'Willows'
 Arctostaphylos 'Emerald Carpet'
 Arctostaphylos gabrielensis
Arctostaphylos glandulosa
 Arctostaphylos glandulosa ssp. adamsii
 Arctostaphylos glandulosa ssp. crassifolia
 Arctostaphylos glandulosa ssp. glandulosa
 Arctostaphylos glandulosa ssp. glaucomollis
 Arctostaphylos glandulosa ssp. mollis
 Arctostaphylos glandulosa ssp. zacaensis
Arctostaphylos glauca
 Arctostaphylos glauca
 Arctostaphylos glauca 'Los Angeles'
 Arctostaphylos glauca 'Malibu'
 Arctostaphylos glauca 'Margarita Pearl'
 Arctostaphylos glauca 'Wayne's Dwarf'
 Arctostaphylos 'Havensneck'
Arctostaphylos hookeri
 Arctostaphylos hookeri
 Arctostaphylos hookeri 'Buxifolia'
 Arctostaphylos hookeri 'Ken Taylor'
 Arctostaphylos hookeri 'Mills'
 Arctostaphylos hookeri 'Monterey Carpet'
 Arctostaphylos hookeri ssp. franciscana
 Arctostaphylos hookeri ssp. hearstiorum
 Arctostaphylos hookeri ssp. hookeri
 Arctostaphylos hookeri 'Wayside'
 Arctostaphylos hooveri
 Arctostaphylos imbricata
Arctostaphylos insularis
 Arctostaphylos insularis

* Invasive plants shall not be permitted.

Botanical Name	Invasive
Arctostaphylos insularis 'Canyon Sparkles'	
Arctostaphylos 'John Dourley'	
Arctostaphylos 'La Panza'	
Arctostaphylos 'Lester Rowntree'	
Arctostaphylos luciana	
Arctostaphylos 'Lutsko's Pink'	
Arctostaphylos 'Mama Bear'	
<i>Arctostaphylos manzanita</i>	
Arctostaphylos manzanita 'Byrd Hill'	
Arctostaphylos manzanita 'Dr. Hurd'	
Arctostaphylos manzanita ssp. elegans	
Arctostaphylos manzanita ssp. manzanita	
Arctostaphylos manzanita 'St. Helena'	
Arctostaphylos mewukka ssp. mewukka	
Arctostaphylos montaraensis	
<i>Arctostaphylos morroensis</i>	
Arctostaphylos morroensis	
Arctostaphylos morroensis 'Hazard Canyon'	
Arctostaphylos myrtifolia	
Arctostaphylos nevadensis	
<i>Arctostaphylos nummularia</i>	
Arctostaphylos nummularia	
Arctostaphylos nummularia 'Small Change'	
Arctostaphylos obispoensis	
Arctostaphylos 'Ophio-viridis'	
Arctostaphylos otayensis	
<i>Arctostaphylos pajaroensis</i>	
Arctostaphylos pajaroensis	
Arctostaphylos pajaroensis 'Paradise'	
Arctostaphylos pajaroensis 'Warren Roberts'	
Arctostaphylos pallida	
Arctostaphylos parryana	
Arctostaphylos patula	
Arctostaphylos pechoensis	
Arctostaphylos pringlei ssp. drupacea	
Arctostaphylos pumila	
Arctostaphylos pungens	
<i>Arctostaphylos purissima</i>	
Arctostaphylos purissima	
Arctostaphylos purissima 'Vandenberg'	
Arctostaphylos rainbowensis	
Arctostaphylos refugioensis	
<i>Arctostaphylos rudis</i>	
Arctostaphylos rudis	

Botanical Name	Invasive
Arctostaphylos rudis 'Vandenberg'	
<i>Arctostaphylos silvicola</i>	
Arctostaphylos silvicola	
Arctostaphylos silvicola 'Ghostly'	
Arctostaphylos 'Sonoma'	
<i>Arctostaphylos stanfordiana</i>	
Arctostaphylos stanfordiana ssp. decumbens	
Arctostaphylos stanfordiana ssp. stanfordiana	
Arctostaphylos 'Sunset'	
<i>Arctostaphylos tomentosa</i>	
Arctostaphylos tomentosa ssp. crustacea	
Arctostaphylos tomentosa ssp. rosei	
Arctostaphylos tomentosa ssp. tomentosa	
<i>Arctostaphylos uva-ursi</i>	
Arctostaphylos uva-ursi	
Arctostaphylos uva-ursi 'Anchor Bay'	
Arctostaphylos uva-ursi 'Green Supreme'	
Arctostaphylos uva-ursi 'Pacific Mist'	
Arctostaphylos uva-ursi 'Point Reyes'	
Arctostaphylos uva-ursi 'Radiant'	
Arctostaphylos uva-ursi 'Tom's Point'	
Arctostaphylos uva-ursi 'San Bruno Mountain'	
Arctostaphylos uva-ursi 'Wood's Compact'	
Arctostaphylos viridissima	
<i>Arctostaphylos viscida</i>	
Arctostaphylos viscida ssp. mariposa	
Arctostaphylos viscida ssp. viscida	
Arctostaphylos wellsii	
Arctostaphylos 'White Lanterns'	
Arctostaphylos 'Winterglow'	
Argemone	
Argemone corymbosa	
Argemone munita	
Aristida	
<i>Aristida purpurea</i>	
Aristida purpurea var. purpurea	
Aristida purpurea var. wrightii	
Aristolochia	
Aristolochia californica	
Armeria	
Armeria maritima	
Artemisia	
Artemisia arbuscula ssp. arbuscula	
<i>Artemisia californica</i>	

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Artemisia californica
Artemisia californica 'Canyon Grey'
Artemisia californica 'Montara'
Artemisia cana ssp. bolanderi
Artemisia douglasiana
Artemisia douglasiana
Artemisia douglasiana 'Silver Surfer'
Artemisia dracunculus
Artemisia ludoviciana
Artemisia ludoviciana
Artemisia ludoviciana 'Silver King'
Artemisia ludoviciana 'Valerie Finnis'
Artemisia nesiotica
Artemisia palmeri
Artemisia pycnocephala
Artemisia pycnocephala
Artemisia pycnocephala 'David's Choice'
Artemisia tridentata ssp. tridentata

Aruncus

Aruncus dioicus var. pubescens

Asarum

Asarum caudatum
Asarum hartwegii
Asarum lemmonii

Asclepias

Asclepias albicans
Asclepias californica
Asclepias cordifolia
Asclepias eriocarpa
Asclepias erosa
Asclepias fascicularis
Asclepias speciosa
Asclepias subulata
Asclepias vestita

Aster

Aster alpigenus
Aster ascendens
Aster chilensis
Aster chilensis
Aster chilensis 'Point St. George'
Aster chilensis 'Purple Haze'

Astragalus

Astragalus brauntonii
Astragalus douglasii var. parishii

Botanical Name

invasive

Astragalus filipes
Astragalus pomonensis
Astragalus purshii var. tinctus
Astragalus pycnostachyus var. lanosissimus
Astragalus trichopodus
Astragalus trichopodus var. lonchus
Astragalus trichopodus var. phoxus
Astragalus trichopodus var. trichopodus
Astragalus whitneyi ssp. whitneyi

Athyrium

Athyrium filix-femina

Atriplex

Atriplex barclayana
Atriplex canescens
Atriplex confertiflora
Atriplex hymenelytra
Atriplex lentiformis ssp. lentiformis
Atriplex leucophylla
Atriplex polycarpa
Atriplex spinifera

Azolla

Azolla filiculoides

Baccharis

Baccharis douglasii
Baccharis emoryi
Baccharis malibuensis
Baccharis pilularis
Baccharis pilularis
Baccharis pilularis 'Chablis'
Baccharis pilularis 'Pigeon Point'
Baccharis pilularis 'San Bruno'
Baccharis pilularis 'Twin Peaks No. 1'
Baccharis pilularis 'Twin Peaks No. 2'
Baccharis salicifolia
Baccharis sarothroides
Baccharis sarothroides
Baccharis sarothroides 'Centennial'

Baileya

Baileya multiradiata var. multiradiata

Barbarea

Barbarea orthoceras

Berberis

Berberis aquifolium
Berberis aquifolium 'Compacta'

* Invasive plants shall not be permitted.

Botanical Name Invasive

Berberis aquifolium 'Golden Abundance'

Berberis aquifolium var. aquifolium

Berberis aquifolium var. repens

Berberis fremontii

Berberis haematocarpa

Berberis nevinii

Berberis pinnata

Berberis pinnata 'Ken Hartman'

Berberis pinnata ssp. pinnata

Berberis 'Skylark'

Betula

Betula occidentalis

Bidens

Bidens nudata

Blechnum

Blechnum spicant

Bloomeria

Bloomeria crocea

Bloomeria crocea var. montana

Bloomeria humilis

Bothriocloa

Bothriocloa barbinodis

Bouteloua

Bouteloua curtipendula

Bouteloua gracilis

Boykinia

Boykinia occidentalis

Boykinia rotundifolia

Brickellia

Brickellia californica

Brickellia grandiflora

Brodiaea

Brodiaea californica var. californica

Brodiaea elegans ssp. elegans

Brodiaea filifolia

Brodiaea jolonensis

Brodiaea kinkiensis

Brodiaea pallida

Brodiaea terrestris

Brodiaea terrestris ssp. kernensis

Brodiaea terrestris ssp. terrestris

Bromus

Bromus carinatus

Bursera

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Bursera microphylla

Calamagrostis

Calamagrostis foliosa

Calamagrostis nutkaensis

Calamagrostis nutkaensis

Calamagrostis nutkaensis 'The King'

Calliandra

Calliandra californica

Calliandra eriophylla

Calocedrus

Calocedrus decurrens

Calochortus

Calochortus albus

Calochortus catalinae

Calochortus clavatus var. clavatus

Calochortus dunnii

Calochortus kennedyi var. kennedyi

Calochortus luteus 'Golden Orb'

Calochortus obispoensis

Calochortus palmeri

Calochortus plummerae

Calochortus splendens

Calochortus splendens 'Violet Queen'

Calochortus superbus

Calochortus uniflorus 'Cupido'

Calochortus venustus

Calochortus venustus 'Burgundy'

Calochortus vestae

Calochortus weedii

Calochortus weedii var. intermedius

Calochortus weedii var. weedii

Calycanthus

Calycanthus occidentalis

Calyptridium

Calyptridium umbellatum

Calystegia

Calystegia macrostegia

Calystegia macrostegia 'Anacapa Pink'

Calystegia macrostegia ssp. arida

Calystegia macrostegia ssp. cyclostegia

Calystegia macrostegia ssp. cyclostegia 'Candy Cane'

Calystegia macrostegia ssp. intermedia

Calystegia macrostegia ssp. macrostegia

Calystegia macrostegia ssp. tenuifolia

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Calystegia malacophylla ssp. *pedicellata*

Calystegia occidentalis ssp. *fulcrata*

Calystegia purpurata 'Bolinas'

Calystegia soldanella

Camassia

Camassia quamash

Camassia quamash

Camassia quamash 'Blue Melody'

Camassia quamash 'Orion'

Camissonia

Camissonia bistorta

Camissonia botthii

Camissonia cheiranthifolia

Camissonia cheiranthifolia ssp. *cheiranthifolia*

Camissonia cheiranthifolia ssp. *suffruticosa*

Camissonia ignota

Camissonia integrifolia

Campanula

Campanula rotundifolia

Carex

Carex amplifolia

Carex aquatilis var. *aquatilis*

Carex barbarae

Carex disperma

Carex feta

Carex fracta

Carex globosa

Carex gymnodynama

Carex lemmonii

Carex nebrascensis

Carex nudata

Carex obispoensis

Carex obnupta

Carex pansa

Carex praegracilis

Carex senta

Carex spectabilis

Carex spissa

Carex tumulicola

Carpenteria

Carpenteria californica

Carpenteria californica

Carpenteria californica 'Elizabeth'

Cassia

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Cassia purpusii

Caulanthus

Caulanthus inflatus

Castilleja

Castilleja affinis ssp. affinis

Castilleja applegatei

Castilleja applegatei ssp. martini

Castilleja applegatei ssp. pinetorum

Castilleja exserta ssp. exserta

Castilleja linariifolia

Castilleja subinclusa ssp. subinclusa

Ceanothus

Ceanothus arboreus

Ceanothus arboreus

Ceanothus arboreus 'Cliff Schmidt'

Ceanothus 'Concha'

Ceanothus cordulatus

Ceanothus crassifolius

Ceanothus cuneatus

Ceanothus cuneatus var. cuneatus

Ceanothus cuneatus var. rigidus 'Snowball'

Ceanothus cyaneus

Ceanothus cyaneus

Ceanothus cyaneus 'Cal Poly'

Ceanothus cyaneus 'Gentian Plume'

Ceanothus cyaneus 'Sierra Blue'

Ceanothus 'Cynthia Postan'

Ceanothus 'Dark Star'

Ceanothus foliosus

Ceanothus foliosus 'Berryhill'

Ceanothus foliosus var. foliosus

Ceanothus 'Frosty Blue'

Ceanothus gloriosus

Ceanothus gloriosus 'Anchor Bay'

Ceanothus gloriosus 'Heart's Desire'

Ceanothus gloriosus 'Mill's Glory'

Ceanothus gloriosus var. exaltatus 'Emily Brown'

Ceanothus gloriosus var. gloriosus

Ceanothus gloriosus var. porrectus

Ceanothus greggii

Ceanothus hearstiorum

Ceanothus impressus

Ceanothus impressus

Ceanothus impressus 'Vandenberg'

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Ceanothus impressus var. nipomoensis
Ceanothus integerrimus
Ceanothus 'Joan Mirov'
Ceanothus 'Joyce Coulter'
Ceanothus 'Julia Phelps'
Ceanothus lemmonii
Ceanothus leucodermis
Ceanothus 'LT Blue'
Ceanothus maritimus
Ceanothus maritimus
Ceanothus maritimus 'Frosty Dawn'
Ceanothus maritimus 'Point Sierra'
Ceanothus maritimus 'Popcorn'
Ceanothus megacarpus var. megacarpus
Ceanothus 'Mountain Haze'
Ceanothus oliganthus var. oliganthus
Ceanothus 'Owlswood Blue'
Ceanothus papillosus
Ceanothus papillosus var. papillosus
Ceanothus papillosus var. roweanus 'Wheeler's Canyon'
Ceanothus prostratus
Ceanothus purpureus
Ceanothus ramulosus
Ceanothus 'Ray Hartman'
Ceanothus 'Remote Blue'
Ceanothus rigidus 'Sierra Snow'
Ceanothus 'Skylark'
Ceanothus spinosus
Ceanothus 'Tassajara Blue'
Ceanothus thyrsiflorus
Ceanothus thyrsiflorus var. griseus 'Diamond Heights'
Ceanothus thyrsiflorus var. griseus 'Kurt Zadnik'
Ceanothus thyrsiflorus var. griseus 'Louis Edmunds'
Ceanothus thyrsiflorus var. griseus 'Santa Ana'
Ceanothus thyrsiflorus var. griseus 'Yankee Point'
Ceanothus thyrsiflorus var. thyrsiflorus
Ceanothus thyrsiflorus var. thyrsiflorus 'Arroyo de la Cruz'
Ceanothus thyrsiflorus var. thyrsiflorus 'Snow Flurry'
Ceanothus thyrsiflorus var. thyrsiflorus 'Taylor's Blue'
Ceanothus 'Tilden Park'
Ceanothus tomentosus
Ceanothus tomentosus var. olivaceus
Ceanothus velutinus
Ceanothus verrucosus

Botanical Name

Invasive

Celtis

Celtis reticulata

Cephalanthus

Cephalanthus occidentalis var. *californicus*

Ceratophyllum

Ceratophyllum demersum

Cercidium

Cercidium floridum

Cercidium microphyllum

Cercis

Cercis occidentalis

Cercocarpus

Cercocarpus betuloides

Cercocarpus betuloides var. *betuloides*

Cercocarpus betuloides var. *blancheae*

Cercocarpus ledifolius

Cercocarpus minutiflorus

Cercocarpus traskiae

Chaenactis

Chaenactis fremontii

Chaenactis glabriuscula

Chaenactis glabriuscula

Chaenactis glabriuscula var. *megacephala*

Chaenactis santolinoides

Chaenactis xantiana

Chamaebatiaria

Chamaebatiaria millefolium

Cheilanthes

Cheilanthes covillei

Cheilanthes newberryi

Chilopsis

Chilopsis linearis ssp. *arcuata*

Chlorogalum

Chlorogalum angustifolium

Chlorogalum pomeridianum

Chlorogalum pomeridianum var. *minus*

Chlorogalum pomeridianum var. *pomeridianum*

Chrysolepis

Chrysolepis sempervirens

Chrysopsis

Chrysopsis villosa 'San Bruno Mountain'

Chrysothamnus

Chrysothamnus nauseosus ssp. *mohavensis*

Cirsium

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Cirsium occidentale

Cirsium occidentale var. *occidentale*

Cirsium occidentale var. *venustum*

Clarkia

Clarkia amoena ssp. *amoena*

Clarkia bottae

Clarkia concinna

Clarkia cylindrica

Clarkia cylindrica ssp. *clavicaarpa*

Clarkia purpurea ssp. *purpurea*

Clarkia rubicunda

Clarkia unguiculata

Claytonia

Claytonia perfoliata ssp. *perfoliata*

Claytonia sibirica

Clematis

Clematis lasiantha

Clematis ligusticifolia

Clematis pauciflora

Cneoridium

Cneoridium dumosum

Collinsia

Collinsia heterophylla

Comarostaphylis

Comarostaphylis diversifolia ssp. *diversifolia*

Coreopsis

Coreopsis californica

Coreopsis gigantea

Coreopsis maritima

Cornus

Cornus glabrata

Cornus nuttallii

Cornus sericea

Cornus sericea ssp. *occidentalis*

Cornus sericea ssp. *sericea*

Corylus

Corylus cornuta var. *californica*

Crataegus

Crataegus douglasii

Crossosoma

Crossosoma californicus

Croton

Croton californica

Cucurbita

Botanical Name

Invasive

Cucurbita foetidissima

Cupressus

Cupressus arizonica

Cupressus arizonica ssp. arizonica

Cupressus arizonica ssp. nevadensis

Cupressus bakeri

Cupressus forbesii

Cupressus goveniana

Cupressus goveniana ssp. goveniana

Cupressus goveniana ssp. pigmaea

Cupressus guadalupensis

Cupressus macnabiana

~~Cupressus macrocarpa~~

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Cupressus macrocarpa

Cupressus macrocarpa 'Citrodora'

Cupressus sargentii

Cyperus

Cyperus eragrostis

Cysopteris

Cysopteris fragilis

Danthonia

Danthonia californica var. californica

Darlingtonia

Darlingtonia californica

Darmera

Darmera peltata

Datura wrightii

Datura wrightii

Delphinium

Delphinium cardinale

Delphinium gypsophilum

Delphinium parishii ssp. parishii

Delphinium parryi ssp. parryi

Delphinium nudicaule

Dendromecon

Dendromecon harfordii

Dendromecon rigida

Deschampsia

Deschampsia cespitosa

Deschampsia cespitosa ssp. cespitosa

Deschampsia cespitosa ssp. holciformis

Deschampsia elongata

Dicentra

Dicentra formosa

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Dicentra formosa

Dicentra formosa 'Adrian Bloom'

Dicentra ochroleuca

Dichelostemma

Dichelostemma capitatum

Dichelostemma capitatum ssp. capitatum

Dichelostemma capitatum ssp. capitatum 'Anacapa'

Dichelostemma congestum

Dichelostemma ida-maia

Dichelostemma multiflorum

Dichelostemma 'Pink Diamond'

Dichondra

Dichondra occidentalis

Distichlis

Distichlis spicata

Dodecatheon

Dodecatheon alpinum

Dodecatheon clevelandii

Dodecatheon clevelandii ssp. clevelandii

Dodecatheon clevelandii ssp. patulum

Dodecatheon clevelandii ssp. sanctarum

Dodecatheon hendersonii 'Sooke'

Draba

Draba corrugata var. corrugata

Dryopteris

Dryopteris arguta

Dryopteris filix-mas

Dryopteris filix-mas

Dryopteris filix-mas 'Cristata'

Dudleya

Dudleya abramsii

Dudleya abramsii ssp. affinis

Dudleya abramsii ssp. murina

Dudleya anomala

Dudleya attenuata ssp. orcuttii

Dudleya 'Baja'

Dudleya 'Bright Sprite'

Dudleya brittoni

Dudleya caespitosa

Dudleya campanulata

Dudleya candelabrum

Dudleya cymosa

Dudleya cymosa ssp. cymosa

Botanical Name

Invasive

Dudleya cymosa ssp. pumila
Dudleya edulis
Dudleya farinosa
Dudleya 'Frank Reinelt'
Dudleya gnoma 'White Sprite'
Dudleya greenei
Dudleya hassei
Dudleya ingens
Dudleya lanceolata
Dudleya palmeri
Dudleya pulverulenta ssp. pulverulenta
Dudleya saxosa ssp. aloides
Dudleya setchellii
Dudleya traskiae
Dudleya verityi
Dudleya virens
Dudleya viscida

Echinocereus

Echinocereus engelmannii

Ehrendorferia

Ehrendorferia chrysantha

Eleocharis

Eleocharis macrostachya

Eleocharis montevidensis

Elymus

Elymus elymoides ssp. elymoides

Elymus glaucus ssp. glaucus

Emmenanthe

Emmenanthe penduliflora var. penduliflora

Encelia

Encelia actoni

Encelia californica

Encelia californica

Encelia californica 'El Dorado'

Encelia farinosa

Encelia frutescens

Encelia ventorum

Ephedra

Ephedra californica

Ephedra nevadensis

Ephedra viridis

Epilobium

Epilobium 'Alba'

Epilobium 'Armstrong'

Botanical Name

Invasive

Epilobium 'Calistoga'

Epilobium canum

Epilobium canum ssp. canum

Epilobium canum ssp. latifolium

Epilobium 'Carman's Grey'

Epilobium 'Catalina'

Epilobium 'Cloverdale'

Epilobium 'El Tigre'

Epilobium 'Everett's Choice'

Epilobium 'Ghostly Red'

Epilobium 'Oat Hill Mine Road'

Epilobium 'Roger's UC Hybrid'

Epilobium septentrionale

Epilobium septentrionale

Epilobium septentrionale 'Mattole River'

Epilobium 'Route 66'

Epilobium 'Sierra Salmon'

Epilobium 'Silver Select'

Epilobium 'Solidarity Pink'

Epilobium 'Topanga'

Epilobium 'U.C. Hybrid'

Epilobium 'Uvas Canyon'

Epilobium 'Wayne's Silver'

Epilobium 'White'

Epipactis

Epipactis gigantea

Equisetum

Equisetum hyemale ssp. affine

Eriastrum

Eriastrum densifolium ssp. austromontanum

Ericameria

Ericameria arborescens

Ericameria ericoides

Ericameria laricifolia

Ericameria laricifolia

Ericameria laricifolia 'Desert Mountain'

Ericameria linearifolia

Erigeron

Erigeron glaucus

Erigeron glaucus

Erigeron glaucus 'Arthur Menzies'

Erigeron glaucus 'Bountiful'

Erigeron glaucus 'Canyon Creek'

Erigeron glaucus 'Cape Sebastian'

Botanical Name

Invasive

Erigeron glaucus 'David's Choice'
Erigeron glaucus 'Mattole River'
Erigeron glaucus 'Olga'
Erigeron glaucus 'Ron's Pink'
Erigeron glaucus 'Sea Breeze'
Erigeron glaucus 'Wayne Roderick'

Eriodictyon

Eriodictyon crassifolium
Eriodictyon crassifolium var. crassifolium
Eriodictyon crassifolium var. nigrescens
Eriodictyon tomentosum
Eriodictyon traskiae
Eriodictyon trichocalyx var. trichocalyx

Eriogonum

Eriogonum arborescens
Eriogonum butterworthianum
Eriogonum cespitosum
Eriogonum cinereum
Eriogonum crocatum
Eriogonum elongatum var. elongatum
Eriogonum fasciculatum
Eriogonum fasciculatum 'Bruce Dickinson'
Eriogonum fasciculatum 'Dana Point'
Eriogonum fasciculatum 'Theodore Payne'
Eriogonum fasciculatum var. fasciculatum
Eriogonum fasciculatum var. foliolosum
Eriogonum fasciculatum var. poliofolium
Eriogonum fasciculatum 'Warriner Lytfe'
Eriogonum fasciculatum 'Wild Cascade'

Eriogonum giganteum

Eriogonum giganteum var. compactum
Eriogonum giganteum var. giganteum

Eriogonum grande

Eriogonum grande var. grande
Eriogonum grande var. rubescens
Eriogonum grande var. rubescens hybrid

Eriogonum gracilipes

Eriogonum kennedyi

Eriogonum kennedyi var. alpigenum
Eriogonum kennedyi var. kennedyi
Eriogonum kennedyi var. purpusii

Eriogonum latifolium

Eriogonum nudum var. pauciflorum x westonii
Eriogonum ovalifolium var. nivale

Botanical Name

Invasive

Eriogonum parvifolium

Eriogonum parvifolium

Eriogonum parvifolium 'Los Osos Hills'

Eriogonum parvifolium var. paynei

Eriogonum rosense

Eriogonum roseum

Eriogonum saxatile

Eriogonum shockleyi var. shockleyi

Eriogonum umbellatum

Eriogonum umbellatum 'Beartooth Pass'

Eriogonum umbellatum 'Shasta Sulfur'

Eriogonum umbellatum var. munzii

Eriogonum umbellatum var. polyanthum

Eriogonum umbellatum var. umbellatum

Eriogonum wrightii

Eriogonum wrightii var. subscaposum

Eriogonum wrightii var. wrightii

Eriophyllum

Eriophyllum confertiflorum ssp. confertiflorum

Eriophyllum nevinii

Eriophyllum nevinii 'Canyon Silver'

Eriophyllum staechadifolium

Erysimum

Erysimum capitatum ssp. capitatum

Erysimum franciscanum

Erysimum insulare

Erysimum insulare ssp. insulare

Erysimum insulare ssp. suffrutescens

Erysimum menziesii

Erysimum menziesii ssp. concinnum

Erysimum menziesii ssp. menziesii

Erythronium

Erythronium 'Kondo'

Erythronium multiscapoideum

Erythronium 'Pagoda'

Erythronium tuolumnense

Eschscholzia -- Eschscholzia Cultivar Gallery

Eschscholzia caespitosa

Eschscholzia californica

Eschscholzia lobbi

Eucrypta

Eucrypta chrysanthemifolia

Euonymus

Euonymus occidentalis

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Euphorbia

Euphorbia misera

Euphorbia xantii

Fallugia

Fallugia paradoxa

Ferocactus

Ferocactus cylindraceus var. *cylindraceus*

Festuca

Festuca californica

Festuca californica

Festuca californica 'Horse Mountain Green'

Festuca idahoensis

Festuca idahoensis

Festuca idahoensis 'Emerald Isle'

Festuca idahoensis 'Moody Blue'

Festuca idahoensis 'Muse Meadow'

Festuca idahoensis 'Siskiyou Blue'

Festuca idahoensis 'Stony Creek'

Festuca idahoensis 'Tomales Bay'

Festuca idahoensis 'Warren Peak'

Festuca occidentalis

Festuca rubra

Festuca rubra

Festuca rubra 'Jughandle'

Festuca rubra 'Molate'

Festuca rubra 'Patrick's Point'

Forestiera

Forestiera pubescens

Fouquieria

Fouquieria splendens ssp. *splendens*

Fragaria

Fragaria chiloensis

Fragaria chiloensis

Fragaria chiloensis 'Aulon'

Fragaria chiloensis 'Chaval'

Fragaria chiloensis 'Green Pastures'

Fragaria vesca

Fragaria vesca

Fragaria vesca 'Montana de Oro'

Frasera

Frasera parryi

Fraxinus

Fraxinus dipetala

Fraxinus latifolia

Botanical Name

Invasive

Fraxinus velutina

Fremontodendron

Fremontodendron 'California Glory'

Fremontodendron californica

Fremontodendron californica ssp. californica

Fremontodendron californica ssp. decumbens

Fremontodendron californica ssp. napense

Fremontodendron 'El Dorado Gold'

Fremontodendron 'Ken Taylor'

Fremontodendron mexicanum

Fremontodendron 'Pacific Sunset'

Fremontodendron 'San Gabriel'

Fremontodendron 'West Hills'

Fritillaria

Fritillaria agrestis

Fritillaria pudica

Fritillaria pudica 'Giant'

Fritillaria viridea

Galium

Galium andrewsii ssp. intermedium

Galium angustifolium ssp. angustifolium

Galvezia

Galvezia 'Boca Rosa'

Galvezia juncea

Galvezia juncea

Galvezia juncea 'Gran Canon'

Galvezia juncea 'Punta Banda'

Galvezia juncea var. foliosa

Galvezia speciosa

Galvezia speciosa

Galvezia speciosa 'Firecracker'

Garrya

Garrya elliptica

Garrya elliptica

Garrya elliptica 'Evie'

Garrya elliptica 'James Roof'

Garrya flavescens

Garrya fremontii

Garrya veatchii

Gaultheria

Gaultheria shallon

Geraea

Geraea canescens

Geraea viscida

Botanical Name

Invasive

Geranium

Geranium californicum

Geum

Geum triflorum

Gilia

Gilia capitata

Gilia tricolor

Glyceria

Glyceria grandis

Gnaphalium

Gnaphalium californicum

Gnaphalium canescens ssp. microcephalum

Grindelia

Grindelia camporum

Grindelia camporum var. bracteosum

Grindelia camporum var. camporum

Grindelia stricta

Grindelia stricta var. platyphylla

Grindelia stricta var. stricta

Gutierrezia

Gutierrezia sarothrae

Hazardia

Hazardia cana

Hazardia detonsa

Helenium

Helenium bigelovii

Helenium bolanderi

Helenium puberulum

Helianthemum

Helianthemum scoparium

Helianthus

Helianthus annuus

Helianthus gracilentus

Heliotropium

Heliotropium curassavicum

Hemizonia

Hemizonia minthornii

Heracleum

Heracleum lanatum

Hesperocallis

Hesperocallis undulata

Heteromeles

Heteromeles arbutifolia

Heteromeles arbutifolia

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Heteromeles arbutifolia 'Davis Gold'

Heterotheca

Heterotheca grandiflora

Heterotheca sessiflora ssp. echioides

Heuchera -- Heuchera Cultivar Gallery

Heuchera abramsii

Heuchera 'Blushing Bells'

Heuchera 'Canyon Belle'

Heuchera 'Canyon Chimes'

Heuchera 'Canyon Delight'

Heuchera 'Canyon Duet'

Heuchera 'Canyon Melody'

Heuchera 'Canyon Pink'

Heuchera cespitosa

Heuchera 'Chiqui'

Heuchera cylindrica var. alpina

Heuchera 'Dainty Bells'

Heuchera elegans

Heuchera elegans

Heuchera elegans 'Bella Blanca'

Heuchera 'Genevieve'

Heuchera 'Green Flower'

Heuchera hirsutissima

Heuchera 'Lillian's Pink'

Heuchera maxima

Heuchera maxima hybrid

Heuchera merriamii

Heuchera micrantha

Heuchera micrantha

Heuchera micrantha 'Martha Roderick'

Heuchera 'Old la Rochette'

Heuchera 'Opal'

Heuchera parishii

Heuchera parishii

Heuchera parishii 'Chiquita'

Heuchera pilosissima

Heuchera 'Pink Wave'

Heuchera 'Rachel'

Heuchera 'Rosada'

Heuchera rubescens

Heuchera rubescens

Heuchera rubescens 'Yosemite'

Heuchera 'Ruffles'

Heuchera 'Santa Ana Cardinal'

Botanical Name

Invasive

Heuchera 'Sierra White'
Heuchera 'Smokey Rose'
Heuchera 'Snowflake'
Heuchera 'Susanna'
Heuchera 'U.C. Berkeley'
Heuchera 'Wendy'
Heuchera 'White Lace'

Hibiscus

Hibiscus lasiocarpus

Hoita

Hoita macrostachya
Hoita orbicularis

Holodiscus

Holodiscus discolor
Holodiscus microphyllus var. microphyllus

Hordeum

Hordeum brachyantherum

Horkelia

Horkelia bolanderi
Horkelia cuneata
Horkelia cuneata ssp. cuneata
Horkelia cuneata ssp. puberula
Horkelia cuneata ssp. sericea
Horkelia parryi

Hulsea

Hulsea heterochroma

Hyptis

Hyptis emoryi
Hyptis emoryi 'Silver Lining'

Imperata

Imperata brevifolia

Ipomopsis

Ipomopsis aggregata

Iris -- Iris Cultivar Gallery

Iris douglasiana
Iris fernaldii

Iris innominata

Iris innominata
Iris innominata (Yellow form)

Iris longipetala
Iris missouriensis
Iris munzii

Isocoma

Isocoma menziesii

Botanical Name

Invasive

Isocoma menziesii var. menziesii

Isocoma menziesii var. sedoides

Isomeris

Isomeris arborea

Iva

Iva hayesiana

Jaumea

Jaumea carnosa

Juglans

Juglans californica var. californica

Juncus

Juncus acutus ssp. leopoldii

Juncus bolanderi

Juncus effusus

Juncus effusus

Juncus effusus var. brunneus

Juncus effusus 'Frenzy'

Juncus effusus 'Quartz Creek'

Juncus effusus 'Spiralis'

Juncus lesueurii

Juncus mexicanus

Juncus oxymiris

Juncus patens

Juncus patens

Juncus patens 'Carman's Grey'

Juncus patens 'Elk Blue'

Juncus textilis

Juncus torreyi

Juncus xiphioides

Juniperus

Juniperus californica

Juniperus communis

Justicia

Justicia californica

Justicia californica 'Tecate Gold'

Justicia californica 'Yellow'

Keckiella

Keckiella antirrhinoides var. antirrhinoides

Keckiella breviflora var. breviflora

Keckiella cordifolia

Keckiella ternata var. ternata

Koeleria

Koeleria macrantha

Krascheninnikova

Botanical Name

Invasive

Krascheninnikovia lanata

Larrea

Larrea tridentata

Lasthenia

Lasthenia californica ssp. californica

Lathyrus

Lathyrus splendens

Lathyrus vestitus

Lathyrus vestitus var. alefeldii

Lathyrus vestitus var. vestitus

Lavatera

Lavatera assurgentiflora

Lavatera 'Black Heart'

Lavatera 'Pastel Stripes'

Lavatera 'Purissima'

Layia

Layia glandulosa

Layia platyglossa

Lemna

Lemna minor

Lepechinia

Lepechinia calycina

Lepechinia calycina

Lepechinia calycina 'Rocky Point'

Lepechinia cardiophylla

Lepechinia fragrans

Lepechinia fragrans

Lepechinia fragrans 'El Tigre'

Lepechinia ganderi

Lepidium

Lepidium fremontii

Lepidospartum

Lepidospartum squamatum

Leptodactylon

Leptodactylon californicum

Lessingia

Lessingia filaginifolia

Lessingia filaginifolia 'Moss Landing'

Lessingia filaginifolia 'Silver Carpet'

Lessingia filaginifolia var. filaginifolia

Lewisia

Lewisia columbiana

Lewisia cotyledon

Lewisia cotyledon 'Fransi'

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Lewisia cotyledon var. *cotyledon*

Lewisia rediviva

Lewisia Sunset Strain

Leymus

Leymus condensatus

Leymus condensatus

Leymus condensatus 'Canyon Prince'

Leymus triticoides

Leymus triticoides

Leymus triticoides 'Grey Dawn'

Lilium

Lilium humboldtii

Lilium humboldtii ssp. *humboldtii*

Lilium humboldtii ssp. *ocellatum*

Lilium pardalinum

Lilium pardalinum 'Corralitos Hybrids'

Lilium pardalinum 'Giganteum'

Lilium pardalinum ssp. *pardalinum*

Lilium pardalinum ssp. *wigginsii*

Lilium parryi

Lilium parvum

Limnanthes

Limnanthes alba ssp. *alba*

Limonium

Limonium californicum

Linanthus

Linanthus floribundus ssp. *glaber*

Linanthus grandiflorus

Linum

Linum lewisii var. *lewisii*

Lithocarpus

Lithocarpus densiflorus var. *densiflorus*

Lobelia

Lobelia cardinalis var. *pseudosplendens*

Lobelia dunnii var. *serrata*

Lomatium

Lomatium macrocarpum

Lonicera

Lonicera ciliosa

Lonicera hispidula var. *vacillans*

Lonicera interrupta

Lonicera involucrata

Lonicera involucrata var. *involucrata*

Lonicera involucrata var. *ledebourii*

Botanical Name

Invasive

Lonicera subspicata

Lonicera subspicata var. *denudata*

Lonicera subspicata var. *denudata* 'Red'

Lonicera subspicata var. *subspicata*

Lotus

Lotus crassifolius

Lotus crassifolius var. *crassifolius*

Lotus crassifolius var. *otayensis*

Lotus formosissimus

Lotus grandiflorus var. *grandiflorus*

Lotus heermannii var. *heermannii*

Lotus oblongifolius var. *oblongifolius*

Lotus purshianus var. *purshianus*

Lotus scoparius

Lotus scoparius var. *brevialatus*

Lotus scoparius var. *scoparius*

Lupinus

Lupinus albicaulis 'Hederma'

Lupinus albifrons

Lupinus albifrons var. *albifrons*

Lupinus albifrons var. *collinus*

Lupinus arboreus

X

Lupinus arboreus

Lupinus arboreus Blue form

Lupinus bicolor

Lupinus bicolor ssp. *bicolor*

Lupinus chamissonis

Lupinus excubitus

Lupinus excubitus var. *excubitus*

Lupinus excubitus var. *hallii*

Lupinus formosus var. *formosus*

Lupinus hirsutissimus

Lupinus latifolius ssp. *parishii*

Lupinus longifolius

Lupinus nanus

Lupinus paynei

Lupinus polyphyllus

Lupinus polyphyllus var. *burkei*

Lupinus polyphyllus var. *polyphyllus*

Lupinus succulentus

Lupinus truncatus

Lycium

Lycium brevipes var. *brevipes*

Lycium californicum

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Lycium fremontii

Lyonothamnus

Lyonothamnus floribundus ssp. asplenifolius

Mahonia (see Berberis)

Malacothamnus

Malacothamnus clementinus

Malacothamnus davidsonii

Malacothamnus fasciculatus

Malacothamnus fasciculatus

Malacothamnus fasciculatus 'Casitas'

Malacothamnus fremontii

Malacothamnus marrubioides

Malacothamnus palmeri

Malacothrix

Malacothrix glabrata

Malacothrix saxatilis

Malacothrix saxatilis var. commutata

Malacothrix saxatilis var. saxatilis

Malacothrix sonchoides

Malosma

Malosma laurina

Malus

Malus fusca

Marah

Marah macrocarpa

Marsilea

Marsilea vestita ssp. vestita

Maurandya

Maurandya antirrhiniflora

Maurandya antirrhiniflora ssp. antirrhiniflora

Maurandya antirrhiniflora ssp. antirrhiniflora 'Bluebird'

Maurandya antirrhiniflora ssp. antirrhiniflora 'Ruby'

Melica

Melica californica

Melica imperfecta

Mentha

Mentha arvensis

Mentzelia

Mentzelia laevicaulis

Mentzelia lindleyi

Mimulus -- Mimulus Cultivar Gallery

Mimulus aurantiacus

Mimulus brevipes

Mimulus cardinalis

Botanical Name	Invasive
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Mimulus cardinalis

Mimulus cardinalis x lewisii

Mimulus cardinalis 'Yellow'

Mimulus clevelandii

Mimulus guttatus

Mimulus lewisii

Mimulus primuloides ssp. linearifolius

Mimulus tilingii

Mirabilis

Mirabilis bigelovii var. bigelovii

Mirabilis californica

Mirabilis multiflora var. pubescens

Mitella

Mitella pentandra

Monardella

Monardella antonina ssp. antonina

Monardella australis

Monardella cinerea

Monardella crispa

Monardella folletti

Monardella hypoleuca ssp. hypoleuca

Monardella linoides

Monardella linoides ssp. linoides

Monardella linoides ssp. stricta

Monardella linoides ssp. viminea

Monardella macrantha

Monardella macrantha 'Marian Sampson'

Monardella macrantha ssp. macrantha

Monardella 'Moonlight'

Monardella odoratissima

Monardella odoratissima ssp. odoratissima

Monardella odoratissima ssp. pallida

Monardella purpurea

Monardella villosa

Monardella villosa ssp. villosa

Monardella villosa 'Russian River'

Monardella villosa x purpurea

Monardella viridis ssp. saxicola

Montia

Montia parvifolia

Muhlenbergia

Muhlenbergia rigens

Muilla

Muilla maritima

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Munzothamnus

Munzothamnus blairii

Myrica

Myrica californica

Myrica californica

Myrica californica 'Buxifolia'

Nassella

Nassella cernua

Nassella lepida

Nassella pulchra

Nemophila

Nemophila maculata

Nemophila menziesii

Nemophila menziesii 'Penny Black'

Nemophila menziesii var. *menziesii*

Nolina

Nolina bigelovii

Nolina parryi

Odontostomum

Odontostomum hartwegii

Oemleria

Oemleria cerasiformis

Oenothera

Oenothera californica

Oenothera deltoides ssp. *deltoides*

Oenothera elata

Oenothera elata ssp. *hirsutissima*

Oenothera elata ssp. *hookeri*

Olneya

Olneya tesota

Opuntia

Opuntia bigelovii

Opuntia echinocarpa

Opuntia erinacea var. *erinacea*

Opuntia littoralis

Opuntia oricola

Opuntia parishii

Opuntia parryi

Opuntia phaeacantha

Opuntia prolifera

Ornithostaphylos

Ornithostaphylos oppositifolia

Osmorhiza

Osmorhiza brachypoda

Botanical Name

Invasive

Oxalis

Oxalis oregana

Paeonia

Paeonia californica

Pellaea

Pellaea andromedifolia

Pellaea mucronata var. *mucronata*

Penstemon

Penstemon azureus

Penstemon azureus var. *angustissimus*

Penstemon azureus var. *azureus*

Penstemon centranthifolius

Penstemon clevelandii

Penstemon clevelandii var. *clevelandii*

Penstemon clevelandii var. *connatus*

Penstemon 'Dave Murray'

Penstemon eatonii var. *eatonii*

Penstemon floridus var. *floridus*

Penstemon fruticiformis var. *fruticiformis*

Penstemon grinnellii

Penstemon grinnellii var. *grinnellii*

Penstemon grinnellii var. *scrophularioides*

Penstemon heterodoxus var. *heterodoxus*

Penstemon heterophyllus

Penstemon heterophyllus var. *heterophyllus*

Penstemon heterophyllus 'Blue Springs'

Penstemon heterophyllus 'Catherine de la Mare'

Penstemon heterophyllus 'Margarita BOP'

Penstemon heterophyllus Panoche Strain

Penstemon incertus

Penstemon labrosus

Penstemon laetus var. *laetus*

Penstemon 'Lexington'

Penstemon 'Magenta Marvel'

Penstemon newberryi

Penstemon newberryi var. *newberryi*

Penstemon newberryi var. *sonomensis*

Penstemon newberryi var. *sonomensis* 'St. Helena'

Penstemon palmeri var. *palmeri*

Penstemon procerus

Penstemon pseudospectabilis

Penstemon rostriflorus

Penstemon rupicola

Penstemon rydbergii var. *oreocharis*

* Invasive plants shall not be permitted.

Botanical Name	Invasive
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Penstemon speciosus

Penstemon spectabilis

Penstemon spectabilis 'Paz'

Penstemon spectabilis var. *spectabilis*

Penstemon stephensii

Penstemon thurberi

Pentagramma

Pentagramma triangularis ssp. *triangularis*

Perityle

Perityle incana

Petrophyton

Petrophyton caespitosum var. *caespitosum*

Phacelia

Phacelia bolanderi

Phacelia californica

Phacelia campanularia var. *campanularia*

Phacelia cicutaria var. *cicutaria*

Phacelia egena

Phacelia grandiflora

Phacelia imbricata ssp. *patula*

Phacelia minor

Phacelia parryi

Phacelia ramosissima

Phacelia ramosissima var. *latifolia*

Phacelia ramosissima var. *ramosissima*

Phacelia tanacetifolia

Philadelphus

Philadelphus lewisii

Philadelphus lewisii 'Goose Creek'

Philadelphus microphyllus

Phlox

Phlox austromontana

Phyllodoce

Phyllodoce breweri

Physocarpus

Physocarpus capitatus

Picea

Picea sitchensis

Pickeringia

Pickeringia montana var. *montana*

Pinus

Pinus attenuata

Pinus contorta

Pinus contorta ssp. *bolanderi*

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Pinus contorta ssp. *contorta*

Pinus contorta ssp. *murrayana*

Pinus coulteri

Pinus edulis

Pinus flexilis

Pinus jeffreyi

Pinus lambertiana

Pinus longaeva

Pinus monophylla

Pinus monticola

Pinus muricata

Pinus ponderosa

Pinus radiata

Pinus sabiniana

Pinus torreyana

Plantago

Plantago maritima var. *juncoides*

Platanus

Platanus racemosa

Platystemon

Platystemon californicus

Pleuraphis

Pleuraphis jamesii

Pluchea

Pluchea odorata

Pluchea sericea

Polemonium

Polemonium occidentale

Polygonum

Polygonum paronychia

Polypodium

Polypodium californicum

Polypodium californicum

Polypodium californicum 'Sarah Lyman'

Polypodium glycyrrhiza

Polystichum

Polystichum californicum

Polystichum munitum

Populus

Populus angustifolia

Populus balsamifera ssp. *trichocarpa*

Populus fremontii

Populus fremontii 'Nimbus'

Populus fremontii ssp. *fremontii*

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Populus tremuloides

Potentilla

Potentilla anserina ssp. anserina

Potentilla biennis

Potentilla fruticosa

Potentilla glandulosa ssp. glandulosa

Potentilla gracilis var. gracilis

Primula

Primula suffrutescens

Prosopis

Prosopis pubescens

Prunella

Prunella vulgaris var. lanceolata

Prunus

Prunus andersonii

Prunus emarginata

Prunus fasciculata var. fasciculata

Prunus fremontii

Prunus ilicifolia

Prunus ilicifolia ssp. ilicifolia

Prunus ilicifolia ssp. lyonii

Prunus 'Intermedia'

Prunus subcordata

Prunus virginiana var. demissa

Pseudognaphalium

Pseudognaphalium biolettii

Pseudotsuga

Pseudotsuga macrocarpa

Pseudotsuga menziesii

Psoralea

Psoralea spinosa

Purshia

Purshia tridentata

Pycnanthemum

Pycnanthemum californicum

Quercus

Quercus agrifolia var. agrifolia

Quercus berberidifolia

Quercus chrysolepis

Quercus douglasii

Quercus dumosa

Quercus durata

Quercus durata var. durata

Quercus durata var. gabrielensis

Botanical Name

Invasive

Quercus engelmannii

Quercus garryana

Quercus garryana var. *breweri*

Quercus garryana var. *garryana*

Quercus john-tuckeri

Quercus kelloggii

Quercus lobata

Quercus tomentella

Quercus turbinella

Quercus vaccinifolia

Quercus wislizeni

Quercus wislizeni var. *frutescens*

Quercus wislizeni var. *wislizeni*

Rafinesquia

Rafinesquia neomexicana

Ranunculus

Ranunculus californicus

Rhamnus

Rhamnus

Rhamnus californica 'Bonita Linda'

Rhamnus californica 'Eve Case'

Rhamnus californica 'Leatherleaf'

Rhamnus californica 'Little Sur'

Rhamnus californica 'Mound San Bruno'

Rhamnus californica 'Sea View'

Rhamnus californica ssp. *californica*

Rhamnus crocea

Rhamnus 'Ed Holm'

Rhamnus ilicifolia

Rhamnus purshiana

Rhamnus tomentella

Rhamnus tomentella ssp. *cuspidata*

Rhamnus tomentella ssp. *tomentella*

Rhododendron

Rhododendron macrophyllum

Rhododendron occidentale

Rhus

Rhus integrifolia

Rhus lentii

Rhus ovata

Rhus trilobata

Ribes

Ribes aureum

Ribes aureum var. *aureum*

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Ribes aureum var. gracillimum

Ribes californicum var. californicum

Ribes cereum

Ribes indecorum

Ribes malvaceum

Ribes malvaceum 'Dancing Tassels'

Ribes malvaceum var. malvaceum

Ribes malvaceum var. viridifolium 'Ortega Beauty'

Ribes menziesii

Ribes nevadense

Ribes quercetorum

Ribes roezlii

Ribes sanguineum

Ribes sanguineum 'Barrie Coate'

Ribes sanguineum var. glutinosum

Ribes sanguineum var. glutinosum 'Claremont'

Ribes sanguineum var. glutinosum 'Elk River Red'

Ribes sanguineum var. glutinosum 'Tranquillon Ridge'

Ribes sanguineum var. sanguineum

Ribes sanguineum 'White Icicle'

Ribes speciosum

Ribes thacherianum

Ribes viburnifolium

Ribes viburnifolium

Ribes viburnifolium 'Spooner's Mesa'

Romanzoffia

Romanzoffia californica

Romneya

Romneya coulteri

Romneya coulteri

Romneya coulteri 'White Cloud'

Romneya trichocalyx

Rosa

Rosa californica

Rosa gymnocarpa

Rosa minutifolia

Rosa nutkana var. nutkana

Rosa woodsii var. ultramontana

Rubus

Rubus leucodermis

Rubus parviflorus

Rubus spectabilis

Rubus ursinus

Rudbeckia

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Rudbeckia californica var. californica

Rudbeckia occidentalis var. occidentalis

Rumex

Rumex salicifolius var. salicifolius

Sagittaria

Sagittaria sanfordii

Salix

Salix exigua

Salix gooddingii

Salix laevigata

Salix lasiolepis

Salix lemmonii

Salix lucida ssp. lasiandra

Salix scouleriana

Salvia

Salvia apiana

Salvia 'Aromas'

Salvia brandegei

Salvia brandegei

Salvia brandegei 'Pacific Blue'

Salvia carduacea

Salvia 'Carl Nielson'

Salvia cedroensis

Salvia cedroensis

Salvia cedroensis 'Baja Blanca'

Salvia 'Celestial Blue'

Salvia chionoeplica

Salvia clevelandii

Salvia clevelandii

Salvia clevelandii 'Allen Chickering'

Salvia clevelandii 'Alpine'

Salvia clevelandii 'Aromas'

Salvia clevelandii 'Betsy Clebsch'

Salvia clevelandii 'Compacta'

Salvia clevelandii 'Deer Spring Silver'

Salvia clevelandii 'Whirly Blue'

Salvia clevelandii 'Winnifred Gilman'

Salvia columbariae

Salvia 'Dara's Choice'

Salvia 'Desperado'

Salvia dorrii var. dorrii

Salvia 'Frankie Lee'

Salvia 'Gracias'

Salvia 'Green Carpet'

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Salvia leucophylla

Salvia leucophylla

Salvia leucophylla 'Amethyst Bluff'

Salvia leucophylla 'Bee's Bliss'

Salvia leucophylla 'Figueroa'

Salvia leucophylla 'Pinkie'

Salvia leucophylla 'Point Sal'

Salvia leucophylla 'TPF Blue'

Salvia mellifera

Salvia mellifera

Salvia mellifera 'Calamity Jane'

Salvia mellifera 'Little Sur'

Salvia mellifera 'Terra Seca'

Salvia mohavensis

Salvia munzii

Salvia munzii

Salvia munzii 'Baja Blue'

Salvia munzii 'Emerald Cascade'

Salvia pachyphylla

Salvia 'Poza Blue'

Salvia 'Shirley's Creeper'

Salvia sonomensis

Salvia sonomensis

Salvia sonomensis 'Farmer Bower'

Salvia sonomensis 'Gordo'

Salvia sonomensis 'Mrs. Beard'

Salvia spathacea

Salvia spathacea

Salvia spathacea 'Avis Keedy'

Salvia spathacea 'Kawatre'

Salvia spathacea 'Las Pilitas'

Salvia spathacea 'Powerline Pink'

Salvia spathacea 'Quail Hollow'

Salvia spathacea 'Topanga'

Salvia 'Starlight'

Salvia 'Thor'

Salvia 'Vicki Romo'

Sambucus

Sambucus mexicana

Sarcostemma

Sarcostemma cynanchoides ssp. hartwegii

Satureja

Satureja chandleri

Satureja douglasii

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Satureja mimuloides

Scirpus

Scirpus acutus var. occidentalis

Scirpus americanus

Scirpus californicus

Scirpus cernuus

Scirpus maritimus

Scirpus microcarpus

Scrophularia

Scrophularia atrata

Scrophularia californica ssp. californica

Scutellaria

Scutellaria antirrhinoides

Scutellaria californica

Scutellaria siphocampyloides

Sedum

Sedum divergens

Sedum laxum ssp. heckneri

Sedum niveum

Sedum obtusatum

Sedum obtusatum ssp. obtusatum

Sedum obtusatum ssp. retusum

Sedum oreganum

Sedum paradisum

Sedum spathulifolium

Sedum spathulifolium

Sedum spathulifolium 'Cape Blanco'

Sedum spathulifolium 'Carnea'

Sedum spathulifolium 'Purpureum'

Senecio

Senecio blochmaniae

Senecio flaccidus var. douglasii

Senna

Senna covesii

Sequoia

Sequoia sempervirens

Sequoia sempervirens

Sequoia sempervirens 'Aptos Blue'

Sequoia sempervirens 'Nana Pendula'

Sequoia sempervirens 'Soquel'

Sequoiadendron

Sequoiadendron giganteum

Shepherdia

Shepherdia argentea

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Sidalcea

Sidalcea malviflora

Sidalcea malviflora

Sidalcea malviflora 'Palustre'

Sidalcea malviflora 'White'

Sidalcea stipularis

Silene

Silene laciniata ssp. major

Silene parishii

Simmondsia

Simmondsia chinensis

Sisyrinchium

Sisyrinchium bellum – A Gallery of *Sisyrinchium* cultivars

Sisyrinchium bellum

Sisyrinchium bellum 'Arroyo de la Cruz'

Sisyrinchium bellum 'California Skies'

Sisyrinchium bellum 'Fort Bragg'

Sisyrinchium bellum 'H Bar H White'

Sisyrinchium bellum 'Merk's White'

Sisyrinchium bellum 'Nanum'

Sisyrinchium bellum 'Rocky Point'

Sisyrinchium bellum 'San Simeon'

Sisyrinchium bellum 'Sea Cliff'

Sisyrinchium californicum

Sisyrinchium elmeri

Sisyrinchium idahoense

Smilacina

Smilacina racemosa

Solanum

Solanum americanum

Solanum hindsianum

Solanum umbelliferum

Solanum wallacei

Solanum xantii

Solanum xantii

Solanum xantii 'Otay Mountain'

Solanum xantii var. *obispoense* 'Navajo Creek'

Solidago

Solidago californica

Solidago canadensis ssp. *elongata*

Solidago confinis

Solidago spathulata ssp. *spathulata*

Sorbus

Sorbus californica

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Sphaeralcea

Sphaeralcea ambigua

Sphaeralcea ambigua 'Louis Hamilton'

Sphaeralcea ambigua 'Multicolor'

Sphaeralcea ambigua var. *ambigua*

Sphaeralcea ambigua var. *rosacea*

Sphaeralcea ambigua var. *rugosa*

Sphaeralcea munroana

Sphenosciadium

Sphenosciadium capitellatum

Spiraea

Spiraea densiflora

Spiraea douglasii

Sporobolus

Sporobolus airoides

Stachys

Stachys ajugoides

Stachys ajugoides

Stachys ajugoides 'Persnickety Pink'

Stachys albens

Stachys bullata

Stachys bullata

Stachys bullata 'Rocky Point'

Stachys chamissonis

Stachys pycnantha

Stanleya

Stanleya pinnata var. *pinnata*

Stephanomeria

Stephanomeria cichoriacea

Stephanomeria exigua ssp. *exigua*

Styrax

Styrax officinalis var. *redivivus*

Symphoricarpos

Symphoricarpos albus

Symphoricarpos albus 'Tilden Park'

Symphoricarpos albus 'Variegata'

Symphoricarpos albus var. *laevigatus*

Symphoricarpos longiflorus

Symphoricarpos mollis

Symphoricarpos rotundifolius

Symphoricarpos rotundifolius var. *parishii*

Symphoricarpos rotundifolius var. *rotundifolius*

Tauschia

Tauschia arguta

* Invasive plants shall not be permitted.

Botanical Name

Invasive

Tellima

Tellima grandiflora

Tetracoccus

Tetracoccus dioicus

Tetradymia

Tetradymia spinosa

Thalictrum

Thalictrum fendleri

Thalictrum fendleri var. *fendleri*

Thalictrum fendleri var. *polycarpum*

Thalictrum occidentale

Thelypteris

Thelypteris puberula var. *sonorensis*

Thermopsis

Thermopsis macrophylla var. *macrophylla*

Thuja

Thuja plicata

Thymophylla

Thymophylla pentachaeta

Tiarella

Tiarella trifoliata var. *unifoliata*

Tolmiea

Tolmiea menziesii

Tolmiea menziesii

Tolmiea menziesii 'Taff's Gold'

Torreya

Torreya californica

Trichostema

Trichostema lanatum

Trichostema parishii

Triteleia

Triteleia bridgesii

Triteleia clementina

Triteleia hyacinthina

Triteleia ixioides

Triteleia ixioides

Triteleia ixioides 'Starlight'

Triteleia ixioides 'Tiger'

Triteleia laxa

Triteleia laxa

Triteleia laxa '4U'

Triteleia laxa 'Corrina'

Triteleia laxa 'Foxy'

Triteleia laxa 'Queen Fabiola'

Botanical Name

Invasive

Triteleia laxa 'Ocean Blue'

Triteleia laxa 'Rudy'

Triteleia lilacina

Triteleia peduncularis

Trixis

Trixis californica

Turricula

Turricula parryi

Typha

Typha domingensis

Typha latifolia

Umbellularia

Umbellularia californica

Uropappus

Uropappus lindleyi

Urtica

Urtica dioica ssp. *holosericea*

Vaccinium

Vaccinium ovatum

Vaccinium ovatum

Vaccinium ovatum 'Blue Madonna'

Vaccinium ovatum 'Thunderbird'

Vaccinium ovatum 'Wunderlich'

Vaccinium parvifolium

Vancouveria

Vancouveria hexandra

Venegasia

Venegasia carpesioides

Venegasia carpesioides

Venegasia carpesioides 'Estrella'

Veratrum

Veratrum californicum var. *californicum*

Verbena

Verbena gooddingii

Verbena lasiostachys var. *lasiostachys*

Verbena lilacina

Verbena lilacina

Verbena lilacina 'De la Mina'

Verbena lilacina 'Paseo Rancho'

Viguiera

Viguiera deltoides

Viguiera laciniata

Viguiera parishii

Viola

Botanical Name	Invasive
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Viola adunca
Viola glabella
Viola pedunculata
Viola sempervirens

Vitis

Vitis californica
Vitis 'Roger's Red'
Vitis 'Walker Ridge'
Vitis girdiana

Washingtonia

Washingtonia filifera

Whipplea

Whipplea modesta

Woodwardia

Woodwardia fimbriata

Wyethia

Wyethia angustifolia
Wyethia invenusta

Xerophyllum

Xerophyllum tenax

Xylococcus

Xylococcus bicolor

Xylorhiza

Xylorhiza tortifolia var. tortifolia

Yucca

Yucca baccata
Yucca brevifolia
Yucca schidigera
Yucca whipplei
Yucca whipplei ssp. intermedia
Yucca whipplei ssp. parishii
Yucca whipplei ssp. whipplei

Zauschneria (see Epilobium)

Zigadenus

Zigadenus fremontii

California-Friendly Plants

Source: Metropolitan Water District

<http://www.thegarden.org/siteDocs/resources/CAFriendlyList-botanical.pdf>(See also: <http://www.bewaterwise.com/gardensoft/browser01.aspx>)

Botanical Name - Common Name	Invasive
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Grasses for Lawns

Buchloe dactyloides - Buffalograss

~~Cynodon species - Hybrid Bermudagrass~~ X

Zoysia 'Victoria' - Victoria Zoysiagrass

Landscape Plants and Trees**Abies**

Abies pinsapo - Spanish fir

Abutilon

Abutilon palmeri - indian mailow

Acacia

Acacia baileyana - Bailey acacia

Acacia boormanii - Snowy River wattle

Acacia constricta - whitethorn acacia

Acacia cultriformis - knife acacia

~~Acacia dealbata - silver wattle~~ X

Acacia decurrens - green wattle

Acacia farnesiana - sweet acacia

Acacia glaucoptera - clay wattle

Acacia greggii - catclaw acacia

Acacia longifolia - Sydney golden wattle

~~Acacia melanoxylon - blackwood acacia~~ X

Acacia pennatula - pennatula acacia

Acacia podalyriifolia - pearl acacia

Acacia redolens - prostrate acacia

Acacia salicina - willow acacia

Acacia saligna - blue leaf wattle

Acacia smallii - desert sweet acacia

Acacia stenophylla - eumong/shoestring acacia

Acacia subporosa - subporosa acacia

Acacia vestita - hairy wattle

Acacia willardiana - palo blanco

Acca

Acca sellowiana (Feijoa sellowiana) - pineapple guava

Achillea

Achillea clavennae - silvery yarrow

Achillea filipendulina - fern leaf yarrow

Achillea millefolium & hybrids - common yarrow

Achillea tomentosa - woolly yarrow

Achillea kellerii

Adenanthos

Adenanthos drummondii - woolly bush

Adenostoma

* Invasive plants shall not be permitted.

California-Friendly Plants

Source: Metropolitan Water District

<http://www.thegarden.org/siteDocs/resources/CAFriendlyList-botanical.pdf>

(See also: <http://www.bewaterwise.com/gardensoft/browser01.aspx>)

Botanical Name - Common Name

Invasive

Adenostoma fasciculatum - chamise

Adenostoma sparsifolium - red shanks/ribbonwood

Aeonium

Aeonium spp. - Canary Island rose

Aesculus

Aesculus californica - California buckeye

Agave

Agave spp. - agave

Agonis

Agonis flexuosa - peppermint tree

Ailanthus

Ailanthus altissima - tree of heaven

X

Albizia

Albizia distachya - plume albizia

Allocasuarina

Allocasuarina verticillata (Casuarina stricta) - coast beefwood

Aloe

Aloe spp. - aloe

Aloysia

Aloysia triphylla - lemon verbena

Alyogyne

Alyogyne hakeifolia - red centered hibiscus

Alyogyne huegelii - blue hibiscus

Amaryllis

Amaryllis belladonna - naked lady

Angophora

Angophora cordifolia (Angophora costata) - gum myrtle

Anigozanthos

Anigozanthos flavidus - kangaroo paw

Anigozanthos viridis - green kangaroo paw

Anisacanthus

Anisacanthus spp. - desert honeysuckle

Antigonon

Antigonon leptopus - coral vine

Aptenia

Aptenia cordifolia - ice plant (Aptenia)

Aptenia 'Red Apple' - ice plant (Red Apple)

Araujia

Araujia sericifera - cruel vine

Arbutus

Arbutus unedo - strawberry tree

Arctostaphylos

Arctostaphylos cultivars - manzanita cultivars

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California-Friendly Plants

Source: Metropolitan Water District

<http://www.thegarden.org/siteDocs/resources/CAFriendlyList-botanical.pdf>

(See also: <http://www.bewaterwise.com/gardensoft/browser01.aspx>)

Botanical Name - Common Name

Invasive

Arctostaphylos diversiloba - summer holly

Arctostaphylos spp. - manzanita

Arctotis

Arctotis hybrids - African daisy

Artemisia

Artemisia spp. (herbaceous) - tarragon/angel's hair etc.

Artemisia spp. (shrubby) - sagebrush

Arum

Arum italicum - Italian Arum

Asclepias

Asclepias (wild species) - milk/silk weed

Asplenium

Asplenium scolopendrium (Phyllitis) - Hart's tongue fern

Asteriscus

Asteriscus maritimus - gold coin, Canary Island daisy

Atriplex

Atriplex - spp. saltbush

Babiana

Babiana stricta hybrids - baboon flower

Baccharis

Baccharis 'Centennial' - bentennial baccharis

Baccharis pilularis consanguinea - coyote brush

Baccharis pilularis cvs. dwarf - coyote brush

Baccharis sarothroides - desert broom

Baileya

Baileya multiradiata - desert marigold

Berberis

Berberis spp. - barberry

Bougainvillea

Bougainvillea spp. - bougainvillea

Brachychiton

Brachychiton acerifolius - flame tree

Brachychiton discolor - Queensland lace bark

Brachychiton populneus - bottle tree

Brachychiton rupestris - Queensland bottle tree

Brahea

Brahea armata - blue hesper palm

Brahea edulis - Guadalupe palm

Brodiaea

Brodiaea spp. - brodiaea

Buddleja

Buddleja marrubiifolia - woolly butterfly bush

Bulbine

* Invasive plants shall not be permitted.

California-Friendly Plants

Source: Metropolitan Water District

<http://www.thegarden.org/site/Docs/resources/CAFriendlyList-botanical.pdf>

(See also: <http://www.bewaterwise.com/gardensoft/browser01.aspx>)

Botanical Name - Common Name	Invasive
Bulbine frutescens - stalked bulbine	
Butia	
Butia capitata - pindo palm	
Caesalpinea	
Caesalpinea gilliesii - desert bird of paradise	
Caesalpinea mexicana - Mexican bird of paradise	
Calliandra	
Calliandra californica - Baja fairy duster	
Calliandra eriophylla - fairy duster	
Callistemon	
Callistemon citrinus - bottle brush	
Callistemon pinifolius - pine-leafed bottlebrush	
Callistemon subulatus - callistemon (subulatus)	
Calocephalus	
Calocephalus brownii - cushion bush	
Camissonia	
Camissonia cherianthifolia (Oenothera) - beach evening primrose	
Capparis	
Capparis spinosa - caper bush	
Carnegiea	
Carnegiea gigantea - saguaro	
Carpenteria	
Carpenteria californica - bush anemone	
Cassia	
Cassia eremophila (C.nemophila) - desert cassia	
Cassia wizlizeni - shrubby cassia	
Casuarina	
Casuarina cunninghamiana - river she-oak	
Ceanothus	
Ceanothus cultivars - ceanothus	
Ceanothus spp. - California lilac	
Cedrus	
Cedrus atlantica - Atlas cedar	
Cedrus deodora - deodar cedar	
Cedrus libani - cedar of Lebanon	
Centranthus	
Centranthus ruber - red valerian	
Cephalocereus	
Cephalocereus spp. - old man cactus	
Cephalophyllum	
Cephalophyllum spp. - ice plant (Cephalophyllum)	
Ceratonina	
Ceratonina siliqua - carob	

* Invasive plants shall not be permitted.

California-Friendly Plants

Source: Metropolitan Water District

<http://www.thegarden.org/site/Docs/resources/CAFriendlyList-botanical.pdf>

(See also: <http://www.bewaterwise.com/gardensoft/browser01.aspx>)

Botanical Name - Common Name

Invasive

Cercidium

Cercidium microphyllum - little leaf palo verde

Cercidium praecox - Sonoran palo verde

Cercis

Cercis occidentalis - western redbud

Cercocarpus

Cercocarpus betuloides - mountain ironwood

Cercocarpus minutiflorus - San Diego mountain mahogany

Cereus

Cereus peruvianus - Peruvian apple cactus

Chamelaucium

Chamelaucium uncinatum - Geraldton wax flower

Chasmanthe

Chasmanthe aethiopica - chasmanthe

Chilopsis

Chilopsis linearis - desert willow

Chorisia

Chorisia insignis - white floss silk tree

Chorisia speciosa - floss silk tree

Cistus

Cistus spp. - rockrose

Clematis

Clematis lasiantha - pipestem clematis

Clematis ligusticifolia - western virgin's bower

Clematis pauciflora - small flowered clematis

Cleome

Cleome isomeris - bladder pod

Clivia

Clivia miniata - Kaffir lily

Convolvulus

Convolvulus cneorum - bush morning glory

Convolvulus sabatius - ground morning glory

Cordia

Cordia boissieri - Texas olive

Cordia parvifolia - little leaf cordia

Cordyline

Cordyline australis - New Zealand cabbage tree

X

Coreopsis

Coreopsis auriculata - 'Nana' dwarf coreopsis

Coreopsis gigantea - giant coreopsis

Coreopsis lanceolata - coreopsis

Coreopsis maritima - sea dahlia

Coreopsis verticillata cvs. - threadleaf coreopsis

* Invasive plants shall not be permitted.

California-Friendly Plants

Source: Metropolitan Water District

<http://www.thegarden.org/siteDocs/resources/CAFriendlyList-botanical.pdf>

(See also: <http://www.bewaterwise.com/gardensoft/browser01.aspx>)

Botanical Name - Common Name

Invasive

Correa

Correa spp. - Australian fuchsia

Cotinus

Cotinus coggygria - smoke tree

Cotoneaster

Cotoneaster spp. (shrubs) - cotoneaster

Cotyledon

Cotyledon spp. - cotyledon

Cowania

Cowania mexicana - cliff rose

Crassula

Crassula spp. - crassula

Crocrosmia

Crocrosmia hybrids (Tritonia) - montbrieta

Cupressus

Cupressus arizonica ssp. Arizonica - Cuayamaca cypress

Cupressus arizonica var. glabra - smooth Arizona cypress

Cupressus guadalupensis forbesii - tecate cypress

Cupressus sempervirens - Italian cypress

Dalea

Dalea bicolor - dalea (bicolor)

Dalea greggii - trailing indigo bush

Dalea orcutii Baja - indigo bush

Dasyllirion

Dasyllirion spp. - desert spoon

Delosperma

Delosperma spp. - ice plant (Delosperma)

Dendromecon

Dendromecon spp. - bush poppy

Deschampsia

Deschampsia caespitosa - tufted hairgrass

Dodonaea

Dodonaea procumbens - hopseed bush (procumbens)

Dodonaea viscosa - hopseed bush

Dodonaea viscosa - 'Purpurea' purple hopseed bush

Doryanthes

Doryanthes palmeri - spear lily

Dorycnium

Dorycnium hirsutum - hairy canary clover

Dracaena

Dracaena draco - dragon tree

Drosanthemum

Drosanthemum spp. - ice plant (Drosanthemum)

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California-Friendly Plants

Source: Metropolitan Water District

<http://www.thegarden.org/siteDocs/resources/CAFriendlyList-botanical.pdf>(See also: <http://www.bewaterwise.com/gardensoft/browser01.aspx>)**Botanical Name - Common Name****Invasive*****Dudleya***

Dudleya spp. - dudleya, live forever

Dyckia

Dyckia spp. - dyckia

Dymondia

Dymondia - margaretae dymondia

Echeveria

Echeveria spp. - hens and chickens

Echinocactus

Echinocactus spp. - barrel cactus

Echinopsis

Echinopsis spp. (Trichocereus spp.) - torch cactus

Echium~~Echium candicans (fastuosum) - pride of Madeira~~

X

Elaeagnus~~Elaeagnus angustifolia - Russian olive~~

X

Elaeagnus pungens - silverberry

Elymus

Elymus spp. (also see Leymus spp.) - wild rye

Encelia

Encelia californica - California encelia

Encelia farinosa - brittle bush

Epilobium

Epilobium spp. (Zauchneria) - California fuchsia

Eremophila

Eremophila glabra - emu bush

Eremophila maculata - spotted emu bush

Eremophila racemosa - Easter egg bush

Eriogonum

Eriogonum spp. buckwheat

Eriophyllum

Eriophyllum confertiflorum - golden yarrow

Erysimum

Erysimum hyeraciifolium - Siberian wallflower

Erysimum 'Jubilee' - jubilee wallflower

Erysimum linifolium - wallflower

Erysimum menziesii - wallflower

Erysimum pulchellum - wallflower

Erysimum 'Wenlock Beauty' - Wenlock beauty wallflower

Erythrina

Erythrina americana (E. coralloides) - naked coral tree

Erythrina caffra - Kaffir bloom coral tree

Erythrina crista-galli - cockspur coral tree

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California-Friendly Plants

Source: Metropolitan Water District

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Botanical Name - Common Name	Invasive
Erythrina falcata - coral tree (falcata)	
Erythrina humeana - Natal coral tree	
Erythrina X sykesii - Sykes coral tree	
Erythrina X bidwillii - coral tree	
Eschscholzia	
Eschscholzia californica - California poppy	
Espostoa	
Espostoa lantana - Peruvian old man cactus	
Eucalyptus	
Eucalyptus camaldulensis - red gum	X
Eucalyptus cinerea - ash leaved gum, silver dollar tree	
Eucalyptus citriodora - lemon scented gum	
Eucalyptus cladocalyx - sugar gum	
Eucalyptus formanii - Forman's mallee	
Eucalyptus globulus - blue gum	X
Eucalyptus gunnii - cider gum	
Eucalyptus kruseana - book-leaf mallee	
Eucalyptus lehmannii - bushy yate	
Eucalyptus leucoxylon - white ironbark	
Eucalyptus loxophleba - York gum	
Eucalyptus macranda - long flowered marlock	
Eucalyptus microtheca - coolibah	
Eucalyptus polyanthemus - silver dollar gum	
Eucalyptus preissiana - bell mallee	
Eucalyptus robusta - swamp mahogany	
Eucalyptus rudis - flooded gum	
Eucalyptus sargentii - Salt River mallet	
Eucalyptus sideroxylon - red iron bark	
Eucalyptus spathulata - swamp mallee	
Eucalyptus torquata - coral gum	
Eucalyptus viminalis - manna gum	
Eucalyptus woodwardii - lemon flowered gum	
Euphorbia	
Euphorbia characias - euphorbia	
Euphorbia milii - crown of thorns	
Euphorbia myrsinites - euphorbia	
Euphorbia pulcherrima - poinsettia	
Euphorbia rigida - euphorbia	
Euphorbia tirucalli - milk bush	
Euryops	
Euryops pectinatus - euryops/shrub daisy	
Fallugia	
Fallugia paradoxa - Apache plume	

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California-Friendly Plants

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Botanical Name - Common Name

Invasive

Fascicularia

Fascicularia pitcairniifolia - fascicularia

Felicia

Felicia fruticosa - shrub aster

Ferocactus

Ferocactus spp. - barrel cactus

Ficus

Ficus microcarpa - "Green Gem" green gem ficus

Forestiera

Forestiera neomexicana - desert olive

Fouquieria

Fouquieria splendens - ocotillo

Fremontodendron

Fremontodendron spp. - flannel bush

Furcraea

Furcraea spp. - furcraea

Galvesia

Galvesia juncea - Baja bush-snapdragon

Galvesia speciosa island - bush snapdragon

Garrya

Garrya eliptica - coast silktassel

Garrya flavescens - ashy silktassel

Garrya fremontii - Fremont silktassel

Gasteria

Gasteria spp. - mother-in-law's tongue etc.

Geijera

Geijera parviflora - Australian willow

Gladiolus

Gladiolus spp. - gladiolus

Gleditsia

Gleditsia triacanthos - honey locust

Goniolimon

Goniolimon incanum (Limonium speciosum) - statice

Graptopetalum

Graptopetalum spp. - graptopetalum

Grevillea

Grevillea robusta - silk oak

Grevillea spp. - grevillea

Grindelia camporum - gum plant

Hakea

Hakea laurina - sea urchin tree

Hakea suaveolens - sweet hakea

Halimium

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California-Friendly Plants

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Botanical Name - Common Name	Invasive
Halimium lasianthum - sun rose	
Haworthia	
Haworthia spp. - haworthia	
Helianthemum	
Helianthemum nummularium - helianthemum	
Hesperaloe	
Hesperaloe funifera - Coahuilan hesperaloe	
Hesperaloe parviflora - red/ yellow yucca	
Hesperantha	
Hesperantha spp. - hesperantha	
Heteromeles	
Heteromeles arbutifolia - toyon	
Ilex	
Ilex vomitoria - yaupon	
Ipheion	
Ipheion uniflorum (Tritelia) - spring star flower	
Ipomea	
Ipomea indica (acuminata) - blue dawn flower	
Isocoma	
Isocoma spp. (Haplopappus) - goldenbush	
Iva	
Iva hayesiana - poverty weed	
Jatropha	
Jatropha integerrima - spicy jatropha	
Jubaea	
Jubaea chilensis - Chilean wine palm	
Juglans	
Juglans californica S. - California black walnut	
Juglans hindsii - California black walnut	
Juniperus	
Juniperus californica - California juniper	
Juniperus spp. - juniper	
Justicia	
Justicia californica - chuparosa	
Justicia spicigera - Mexican honeysuckle	
Kalanchoe	
Kalanchoe spp. - kalanchoe	
Keckiella	
Keckiella antirrhinoides - yellow penstemmon	
Keckiella cordifolia - heart-leaved penstemmon	
Kniphofia	
Kniphofia triangularis (galpinii) - coral poker	
Kniphofia uvaria - red hot poker	

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California-Friendly Plants

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Botanical Name - Common Name

Invasive

Koelreuteria

Koelreuteria paniculata - golden rain tree

Lagunaria

Lagunaria patersonii - primrose tree

Lampranthus

Lampranthus spp. - ice plant (*Lampranthus*)

Lantana

Lantana camara - lantana

Lantana montevidensis (*sellowiana*) - trailing lantana

Larrea

Larrea tridentata - creosote

Laurus

Laurus nobilis - sweet bay

Laurus 'Saratoga' - Saratoga laurel

Lavandula

Lavandula spp. - lavender

Lavatera

Lavatera assurgentiflora - tree mallow

Leonotis

Leonotis leonurus - lion's tail

Leptospermum

Leptospermum laevigatum - Australian tea tree

Leptospermum rotundifolium - tea tree

Leucadendron

Leucadendron argenteum - Silver tree

Leucophyllum

Leucophyllum spp. - purple sage, Texas ranger etc.

Leucospermum cordifolium - nodding pincushion

Limonium

Limonium commune var. - californicum coastal statice

Limonium perezii - statice

Linaria

Linaria purpurea - toadflax

Lithocarpus

Lithocarpus densiflorus - tanbark oak

Lobelia

Lobelia laxiflora - Mexican bush lobelia

Lobostemon

Lobostemon fruticosus - eight-day-healing bush

Lonicera

Lonicera hispidula - honeysuckle (*hispidula*)

Lonicera japonica - Japanese honeysuckle

Lonicera japonica - 'Halliana' Hall's honeysuckle

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California-Friendly Plants

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Botanical Name - Common Name	Invasive
Lonicera subspicata - chaparral honeysuckle	
Lotus	
Lotus scoparius - deer weed	
Lupinus	
Lupinus albifrons - silver lupine	
Lupinus arboreus - coastal bush lupine	X
Lychnis	
Lychnis coronaria - rose campion/crown pink	
Lycium	
Lycium fremontii - wolfberry	
Lyonothamnus	
Lyonothamnus floribundus - Catalina ironwood	
Lysiloma	
Lysiloma microphylla var. - thornberi feather bush	
Macfadyena	
Macfadyena unguis-cati - cat's claw	
Mahonia	
Mahonia 'Golden Abundance' - golden abundance mahonia	
Mahonia lomariifolia - Chinese holly grape	
Mahonia nevinii - Nevin mahonia	
Mahonia repens - creeping mahonia	
Maireana	
Maireana sedifolia - pearl bluebush	
Malacothamnus	
Malacothamnus fasciculatus - bush mallow	
Maleophora	
Maleophora spp. - ice plant (Maleophora)	
Malosma	
Malosma laurina (Rhus laurina) - laurel sumac	
Melaleuca	
Melaleuca armillaris - brucelet honey-myrtle	
Melaleuca decussata - totem poles (lilac melaleuca)	
Melaleuca elliptica - granite honey-myrtle	
Melaleuca fulgens - melaleuca (fulgens)	
Melaleuca huegelii - chenile honey-myrtle	
Melaleuca incana - grey honey-myrtle	
Melaleuca lanceolata - black tea	
Melaleuca linariifolia - flax leaf paper bark	
Melaleuca nesophila - pink melaleuca	
Melaleuca raphiophylla - swamp paper bark	
Melaleuca squamea - swamp honey-myrtle	
Melaleuca styphelioides - prickly-leaved paperback	
Melampodium	

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Botanical Name - Common Name

Invasive

Melampodium leucanthum - blackfoot daisy

Melia

Melia azedarach - chinaberry

Mimulus

Mimulus spp. (shrubby) - monkey flower

Mirabilis

Mirabilis jalapa - four o'clock

Monardella

Monardella villosa - coyote mint

Muhlenbergia

Muhlenbergia rigens - deer grass

Muscari

Muscari macrocarpum - grape hyacinth

Myoporum

Myoporum parvifolium & cvs. - myoporum

Myoporum X 'Pacificum' - pacifica saltbush

Myrica

Myrica californica - Pacific wax myrtle

Myrsine

Myrsine africana - African boxwood

Myrtus

Myrtus communis - true myrtle

Nandina

Nandina domestica - heavenly bamboo

Narcissus

Narcissus spp. - daffodil

Nassella

Nassella cernua - nodding needlegrass

Nassella lepida - foothill needlegrass

Nassella pulchra - purple needlegrass

Nassella tenuissima - Texas needle grass

Nauplius

Nauplius sericeus (Asteriscus sericeus) - Canary island daisy

Nerine

Nerine spp. - nerine

Nerium

Nerium oleander - oleander

Nolina

Nolina recurvata (Beaucarnea recurvata) - bottle palm

Nolina spp. - bear grass

Oenothera

Oenothera macrocarpa - Ozark sundrops

Oenothera caespitosa - tufted (white) evening primrose

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California-Friendly Plants

Source: Metropolitan Water District

<http://www.thegarden.org/siteDocs/resources/CAfriendlyList-botanical.pdf>

(See also: <http://www.bewaterwise.com/gardensoft/browserDL.aspx>)

Botanical Name - Common Name	Invasive
Oenothera fruticosa - golden sundrops	
Oenothera pallida - evening primrose (pallida)	
Oenothera rosea - evening primrose (rosea)	
Oenothera speciosa - Mexican/white evening primrose	
Oenothera speciosa - 'Rosea' pink evening primrose	
Oenothera stubbei - Baja evening primrose	
Olea	
Olea europaea - olive	X
Opuntia	
Opuntia spp. - prickly pear/cholla	
Origanum	
Origanum spp. - dittany/oregano etc.	
Ornithogalum	
Ornithogalum thyrsoides - chinchierinchee	
Osteospermum	
Osteospermum spp. - African daisy	
Ozothamnus	
Ozothamnus rosemarinifolius(Helichrysum) - ozothamnus	
Pachycormis	
Pachycormis discolor - elephant tree	
Pachypodium	
Pachypodium lamerei - Madagascar palm	
Panicum	
Panicum(native spp.) - switch grass	
Parkinsonia	
Parkinsonia aculeata - Mexican palo verde/ Jerusalem thorn	
Parkinsonia florida (Cercidium floridum) - blue palo verde	
Pelargonium	
Pelargonium sidoides - geranium (sidoides)	
Pelargonium tomentosum - peppermint-scented geranium	
Pennisetum	
Pennisetum alopecuroides - black pennisetum	
Pennisetum orientale - Chinese fountain grass	
Pennisetum setaceum cvs. - purple/burgundy fountain grass	X
Penstemon	
Penstemon wild spp. - penstemon (wild)	
Phlomis	
Phlomis caballeroi - phlomis (caballeroi)	
Phlomis cashmeriana - phlomis (cashmeriana)	
Phlomis cretica - phlomis (cretica)	
Phlomis fruticosa - Jerusalem sage	
Phlomis italica - phlomis (italica)	
Phlomis lanata - phlomis (lanata)	

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Botanical Name - Common Name	Invasive
Phlomis purpurea - phlomis (purpurea)	
Phlomis tuberosa - phlomis (tuberosa)	
Phoenix	
Phoenix canariensis - Canary Island date palm	X
Phoenix dactylifera - date palm	
Phormium	
Phormium tenax - New Zealand flax	
Phyla	
Phyla nodiflora (Lippia nodiflora) - cape weed	
Pinus	
Pinus attenuata - knobcone pine	
Pinus brutia - Calabrian pine	
Pinus brutia ssp. - eldarica eldarica pine	
Pinus canariensis - Canary Island pine	
Pinus coulteri - Coulter pine	
Pinus edulis - pinyon pine	
Pinus flexilis - limber pine	
Pinus halepensis - Aleppo pine	
Pinus monophylla - single leaf pinyon pine	
Pinus montezumae - Montezuma pine	
Pinus muricata - bishop pine	
Pinus pinaster - cluster pine	
Pinus pinea - Italian stone pine	
Pinus ponderosa - ponderosa pine	
Pinus sabiniana - foothill/digger pine	
Pinus torreyana - Torrey pine	
Pinus X attenuata - knobcone-Monterey pine	
Pittosporum	
Pittosporum phillyraeoides - willow pittosporum	
Plecostachys	
Plecostachys serpyllifolia (Helichrysum) - straw flower	
Plumeria	
Plumeria rubra - frangipani	
Polyanthes	
Polyanthes tuberosa - tuberose	
Polygonum	
Polygonum aubertii - silver lace vine	
Portulacaria	
Portulacaria afra - elephant's food	
Prosopis	
Prosopis alba - Argentine mesquite	
Prosopis glandulosa - Chilean mesquite	
Prosopis glandulosa - Honey mesquite	

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Botanical Name - Common Name

Invasive

Prosopis juliflora - Arizona mesquite

Prosopis pubescens - screwbean mesquite

Prosopis velutina - velvet mesquite

Prostanthera

Prostanthera rotundifolia - round leaf mint bush

Prunus

Prunus ilicifolia - holly leaf cherry

Prunus lyonii - Catalina cherry

Pseudobomax

Pseudobomax ellipticum - shaving brush

Psilostrophe

Psilostrophe tagetina - paper flower

Psoralea

Psoralea pinnata - blue pea

Psoralea

Psoralea spinosa (*Dalea spinosa*) - smoke tree

Puya

Puya spp. - puya

Pyracantha

Pyracantha spp. - firethorn

Pyrethropsis

Pyrethropsis hosmariense - Moroccan daisy

Pyrrosia

Pyrrosia spp. - felt fern

Quercus

Quercus agrifolia - coast live oak

Quercus berberidifolia - California scrub oak

Quercus chrysolepis - canyon live oak

Quercus douglasii - blue oak

Quercus dumosa - Nuttall's scrub oak

Quercus engelmannii - mesa oak

Quercus ilex - holly oak

Quercus muhlenbergii - chinquapin oak

Quercus suber - cork oak

Quercus texana - Spanish oak

Quercus tomentella - island oak

Quercus wislizeni - interior live oak

Quillaja

Quillaja saponaria - soapbark tree

Ranunculus

Ranunculus californicus - California buttercup

Ranunculus cortusaefolius - buttercup

Ranunculus repens - creeping buttercup

X

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California-Friendly Plants

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Botanical Name - Common Name

Invasive

Ratibida

Ratibida columnifera - Mexican hat

Rhagodia

Rhagodia deltophylla - rhagodia

Rhamnus

Rhamnus alaternus - Italian buckthorn

Rhamnus californicus - coffeeberry

Rhamnus croceus - redberry

Rhamnus croceus ilicifolia - hollyleaf redberry

Rhodohypoxis

Rhodohypoxis spp. - rose grass

Rhus

Rhus integrifolia - lemonade berry

Rhus lancea - African sumac

Rhus lentii - pink-flowering sumac

Rhus ovata - sugar bush

Rhus trilobata - squawbush

Rhus typhina - staghorn sumac

Ribes

Ribes aureum - golden currant

Ribes indecorum - white flowering currant

Ribes malvaceum - chaparral currant

Ribes sanguineum - red flowering currant

Ribes speciosum - fuchsia flowering gooseberry

Ribes viburnifolium - evergreen currant

Robinia

Robinia pseudoacacia - black locust

Robinia X - ambigua locust

Romneya

Romneya coulteri - Matilija poppy

Rosa

Rosa californica - California wild rose

Rosa minutifolia - Baja California wild rose

Rosemarinus

Rosemarinus 'Prostratus' - trailing rosemary

Rosmarinus officinalis - rosemary

Ruellia

Ruellia californica - rama parda

Ruellia X *brittoniana* - dwarf ruellia

Ruscus

Ruscus spp. - butcher's broom

Salvia

Salvia apiana - white sage

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Botanical Name - Common Name	Invasive
Salvia argentea - silver sage	
Salvia azurea grandiflora - prairie sage	
Salvia 'Bee's Bliss' - bee's bliss sage	
Salvia californica - Baja California sage	
Salvia chamaedryoides - blue sage	
Salvia clevelandii & hybrids - Cleveland/Alan Chickering etc.	
Salvia coahuilensis - Coahuila sage	
Salvia 'Dara's Choice' - Sonoma sage	
Salvia dorrii - purple sage	
Salvia greggii & hybrids - autumn sage	
Salvia leucantha - Mexican bush sage	
Salvia leucophylla - purple sage	
Salvia mellifera - black/green sage	
Salvia microphylla - cherry/Graham sage	
Salvia muelleri - royal purple autumn sage	
Salvia munzii - San Miguel Mountain sage	
Salvia spathacea - hummingbird/pitcher sage	
Salvia thymoides - blue salvia	
Sambucus	
Sambucus spp. - elderberry	
Santolina	
Santolina spp. - lavender cotton	
Schinus	
Schinus molle - California pepper tree	X
Schinus polygamus - Peruvian pepper tree	
Sedum	
Sedum spp. - stone crop	
Sempervivum	
Sempervivum spp. - house leek	
Senecio	
Senecio cineraria - dusty miller	
Senecio flaccidus var. douglasii - bush groundsel	
Senecio mandraliscae - kleinia	
Senna	
Senna artemesioides (Cassia artemesioides) - feathery cassia/senna	
Senna bicapsularis (Cassia candolleana) - New Zealand cassia/senna	
Senna didymobotrya (Cassia didymobotrya) - senna/cassia didymobotrya	
Senna multiglandulosa (Cassia tomentosa) - wooly senna	
Senna odorata (Cassia odorata) - senna/cassia (odorata)	
Senna phyllodenia (Cassia phyllodenia) - silver cassia/senna	
Senna polyantha (Cassia goldmanii) - Goldman's senna/cassia	
Senna spectabilis (Cassia excelsa) - senna/cassia (spectabilis/excelsa)	
Senna splendida (Cassia splendida) - golden wonder	

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Botanical Name - Common Name	Invasive
<i>Senna sturtii</i> (Cassia sturtii) - Sturt's cassia/senna	
<i>Shepherdia</i>	
<i>Shepherdia argentea</i> - silver buffaloberry	
<i>Silene</i>	
<i>Silene</i> spp. - moss pink/campion	
<i>Simmondsia</i>	
<i>Simmondsia chinensis</i> - jojoba	
<i>Sinningia</i>	
<i>Sinningia tubiflora</i> - velvet slipper	
<i>Sisyrinchium</i>	
<i>Sisyrinchium bellum</i> - blue-eyed grass	
<i>Solanum</i>	
<i>Solanum xanthii</i> - purple nightshade	
<i>Sollya</i>	
<i>Sollya heterophylla</i> - Australian bluebell creeper	
<i>Sophora</i>	
<i>Sophora secundiflora</i> - Texas mountain laurel	
<i>Spartium</i>	
<i>Spartium junceum</i> - Spanish broom	X
<i>Sphaeralcea</i>	
<i>Sphaeralcea</i> spp. - desert/globe mallow	
<i>Sprekelia</i>	
<i>Sprekelia formosissima</i> - Aztec lily	
<i>Stachys</i>	
<i>Stachys albotomentosa</i> - betony	
<i>Stenocereus</i>	
<i>Stenocereus thurberi</i> (Lemaireocereus) - organ pipe cactus	
<i>Stipa</i>	
<i>Stipa cernua</i> - nodding feather grass	
<i>Stipa gigantea</i> - giant needle grass	
<i>Stipa lepida</i> - foothill stipa	
<i>Stipa pulchra</i> - feather grass	
<i>Stipa stipa</i> - spinosa desert bunch grass	
<i>Stipa tenuissima</i> - Mexican feather grass	
<i>Styrax</i>	
<i>Styrax officinale californicum</i> - California storax	
<i>Sutera</i>	
<i>Sutera</i> spp. - sutera	
<i>Symphoricarpus</i>	
<i>Symphoricarpus albus</i> - snowberry	
<i>Tagetes</i>	
<i>Tagetes lemmonii</i> - mountain marigold	
<i>Tanacetum</i>	

* Invasive plants shall not be permitted.

California-Friendly Plants
 Source: Metropolitan Water District
<http://www.thegarden.org/siteDocs/resources/CAfriendlyList-botanical.pdf>
 (See also: <http://www.bewaterwise.com/gardensoft/browser01.aspx>)

Botanical Name - Common Name **Invasive**

Tanacetum coccinium (Pyrethrum roseum) - painted daisy

Tanacetum haradjanii - tansy

Tecoma

Tecoma stans - yellow bells

Teucrium

Teucrium chamaedrys - germander

Teucrium cossonii - Majorcan germander

Teucrium fruticans - bush germander

Teucrium marum - cat thyme

Thalictrum

Thalictrum fendleri var. polycarpum - meadow rue

Toona

Toona sinensis (Cedrela sinensis) - Chinese toon

Trichostema

Trichostema lanatum - woolly/mountain blue curls

Tricyrtis

Tricyrtis hirta - toad lily

Trifolium

Trifolium fragiferum O'Connor - O'Connors legume (revegetation use)

Tritelia

Tritelia laxa - Ithurriel's spear

Ulmus

Ulmus pumila - Siberian elm

Urginea

Urginea maritima - sea squill

Verbascum

Verbascum bombiciferum - mullein

Verbascum phoeniceum - purple mullein

Verbena

Verbena bonariensis - verbena (bonariensis)

Verbena gooddingii - Goodding verbena

Verbena lilacina - lilac verbena

Verbena peruviana - Peruvian verbena

Verbena tenuisecta - moss verbena

Viguiera

Viguiera laciniata - San Diego County viguiera

Vitex

Vitex agnus-castus - chaste tree

Vitis

Vitis californica - California wild grape

Vitis girdiana - desert grape

Washingtonia

Washingtonia filifera - California fan palm

* Invasive plants shall not be permitted.

California-Friendly Plants

Source: Metropolitan Water District

<http://www.thegarden.org/site/Docs/resources/CAFriendlyList-botanical.pdf>

(See also: <http://www.bewaterwise.com/gardensoft/browser01.aspx>)

Botanical Name - Common Name	Invasive
<i>Washingtonia robusta</i> - Mexican fan palm	X
<i>Watsonia</i>	
<i>Watsonia</i> spp. - watsonia	
<i>Westringia</i>	
<i>Westringia fruticosa</i> (rosmariniformis) - coast rosemary	
<i>Westringia glabra</i> - violet westringia	
<i>Westringia longifolia</i> - westringia (longifolia)	
<i>Westringia raleighi</i> - Raleigh westringia	
<i>Westringia</i> 'Wynyabbie Gem' - Wynyabbie gem westringia	
X	
X <i>Chitalpa tashkentensis</i> - chitalpa	
X <i>Halmiocrisus sahucci</i> - halmiocrisus	
X <i>Halmiocrisus wintonensis</i> - halmiocrisus	
<i>Xanthorrhoea</i>	
<i>Xanthorrhoea</i> spp. - grass tree	
<i>Xylococcus</i>	
<i>Xylococcus bicolor</i> - mission manzanita	
<i>Yucca</i>	
<i>Yucca</i> spp. - yucca	
<i>Zelkova</i>	
<i>Zelkova serrata</i> - saw leaf zelkova	
<i>Ziziphus</i>	
<i>Ziziphus jujuba</i> - Chinese jujube	

* Invasive plants shall not be permitted.

Appendix B

Plant Communities

Preface

The plant community lists have been developed through systematic review of several published sources regarding species distribution (refer to Bibliography), in combination with review of nursery and seed vendor lists to determine whether species may be commercially available. Most lists are primarily limited to species that are, or have been available commercially, with the exception of certain species which may be ecologically important within the community and have been included here to encourage their propagation. In most cases, these lists do not document every plant species that may be present within a native community, and hence desirable among native community plantings. Most likely to be omitted are smaller herbaceous species, and in some cases larger key shrubs that are not available in the nursery trade to date.

For example, many species of the alluvial fan sage scrub community are not available commercially, including some of its signature species. However, this is the most appropriate community to install in the vicinity of Tujunga Wash and potentially other downstream locations. To facilitate reintroduction of this unusual community, additional coordination should be conducted to allow for collection of plant propagules from native sources.

Generally, plantings along the river shall consist of communities of species as designated on the accompanying lists. However, additional species may be included with the explicit, documented recommendation of a qualified plant or restoration ecologist. For alluvial fan sage scrub and other communities, propagules of appropriate additional species may become more readily available in the future.

Plant list nomenclature primarily follows Hickman, James C., ed. 1993. *The Jepson Manual: Higher Plants of California*. University of California Press, Berkeley and Los Angeles.

15.0 Plant Community Descriptions

While restoration of riparian plant communities along the river is highly desirable ecologically, environmental conditions resulting from the existing infrastructure and maintenance requirements may preclude the self-sustainability of such communities along much of the river. Therefore, many planting areas along the river will not be suitable for the historic riparian plant associations and other local native communities must be used.

Note that the term **forest** refers to a community of plants with a nearly closed tree canopy at maturity and thus understory species adapted to at least partial shade. Locally, forests may grow in areas of greater moisture and/or north-facing slopes. Trees in a **woodland** are less dense, with larger spaces between tree canopies. This allows for a higher diversity of shrub and herbaceous species that require more direct sunlight than would be available in a mature forest.

In the following section community/association names are after Holland (1986) followed by Sawyer and Keeler-Wolf (1995).

Alluvial fan sage scrub (AFSS)(Scalebroom Association): This community is found in rarely flooded, low-gradient deposits along streams. AFSS is a community that tolerates very dry conditions and is considered a 'disturbance' community. Alluvial fan sage scrub should be the signature community along the Tujunga Wash and is appropriate on particularly sandy, silty or gravelly soils.

Coastal sage scrub (CSS)(California Sagebrush Associations): This ecologically important community should be interspersed with tree communities along the length of the river, especially in situations where environmental or infrastructure conditions (e.g., utility corridors or other confined spaces) are

not suitable for trees. Coastal sage scrub is an appropriate complement to the sycamore riparian and coast live oak communities and can be used with them as a transitional planting prior to maturation of tree canopies. Along the lower reaches of the river, this community may be augmented with coastal bluff species, and other salt tolerant native species adapted to heterogeneous soil conditions along the levees. Augmentation to this plant palette should be made only with the approval of a qualified plant or restoration ecologist.

Chaparral (CH)(Chaparral Associations): Chaparral is considered an upland or drier community that is found on all slope aspects. CH soils are typically shallow and often nutrient-poor. It is suitable as an occasional alternative to the coastal sage scrub and California walnut woodland communities within the utility corridors. This community includes tree-like shrubs that can provide some shading in tree-restricted zones. Again, augmentation to this plant palette should be made only with the approval of a qualified plant or restoration ecologist. Rigorous design and maintenance of CH plantings can minimize fire hazards associated with this plant community.

Southern coast live oak riparian forest (CLORF) (Coast Live Oak Association): This forest community is found along bottomlands and outer floodplains along larger streams on fine-grained, rich alluvium. This community differs structurally from coast live oak riparian woodland in having a relatively closed tree canopy at maturity, and thus supports understory species adapted to partial or full shade. CLORF may be appropriate for relatively moist zones, particularly with north-facing slopes, such as in the Sepulveda Basin vicinity.

Coast live oak woodland (CLOW)(Coast Live Oak Association): CLOW is commonly found on slopes that are often very steep or on raised stream banks and terraces. Its soils are mostly sandstone or shale-derived. Coast live oak woodland is a tree-dominated community comprising fewer trees and

considerably drier soils than southern coast live oak forest.

Southern cottonwood-willow riparian forest (CWRP)(Cottonwood-Willow Association):

This water-loving community is found where soils are intermittently or seasonally saturated: riparian corridors, floodplains subject to high intensity flooding, low-gradient depositions along rivers, streams, seeps, stream and river banks, and terraces. Generally a depth to perennial ground water of not more than ten feet is required to support this cottonwood-willow community, which may achieve either forest or woodland structure at maturity.

Southern sycamore riparian woodland (SRW) (California Sycamore Association):

This community is found along riparian corridors where soils are permanently saturated at depth. SRW is normally appropriate to braided, depositional channels of intermittent streams, gullies, springs, seeps, streams and riverbanks, and terraces adjacent to floodplains subject to high-intensity flooding. Soils supporting this community are alluvial, open, and rocky. This water-loving community should dominate river landscapes where water is available naturally.

Valley oak woodland (VOW)(Valley Oak Association):

This community is typified by its majestic signature tree (valley oak), limited shrub layer and generally grassy understory. VOW occurs in deep, well-drained alluvial soils that may be intermittently or seasonally flooded. This community is found on floodplains, valley bottoms, gentle slopes, and summit valleys.

California walnut woodland (WW)(Walnut Woodland Association):

Walnut woodlands are found where soils are intermittently flooded and saturated, such as riparian corridors, floodplains, incised canyons, low-flow river and stream margins, seeps, stream and river banks, and terraces. WW also favor rarely flooded north-facing slopes, terraces and flats. Its soils are generally fine-textured, shale-derived and deep.

Suitable conditions for these communities may be achieved by strategic grading and drainage patterns that guide landscape and urban runoff into artificial "riparian zones". So-called "deep tillage" of planting holes is strongly recommended for riparian tree species, especially where clay subsoils may prevent the roots of young plantings from readily reaching groundwater. Deep tillage is achieved by auguring the planting hole, preferably to the water table, breaking up and mixing hard subsoil layers to provide a substrate through which developing tree roots can most readily reach the moisture they require for robust growth. The type and timing of supplemental irrigation during the establishment period is also critical. Irrigation should be applied to encourage deep rooting.

16.0 Plant Palette Abbreviations

Explanations of symbols, abbreviations and terms used in the plant community charts:

Plant Form:

Some plants listed appear to have one more than one plant form designation. Their form will depend on its use in the landscape.

t	tree
d	deciduous
s	shrub
sc	succulent
g	grass
gc	groundcover
p	perennial
a	annual
v	vine

Minimum Setback from Pavement:

Recommended distance (in feet) each species should be planted away from pavement and walls.

Estimated Water Needs:

Approximate water needs of each native plant species is estimated in relation to the water needs for tall fescue turfgrass. Supplemental watering should be applied between late November and early March to complement the seasonal rain cycle to avoid winter dry spells and to assist in establishing new plantings. Summer watering is to be avoided in established landscapes where possible; deep watering on a monthly schedule may be applied if determined to be appropriate by the project plant or restoration ecologist.

VL	Performs with no supplemental water
L	Low Supplemental Water, approx. 3-5"
M	Moderate Supplemental Water, approx. 5-10"
H	High Supplemental Water, approx. 10-16"

Sun Exposure:

Ideally, understory species adapted to partial or full shade would be planted after conditions become suitable. But since most landscape projects are installed all at one time, strategic methods are required to ensure that shade-adapted species survive the initial establishment period. Possibilities include positioning shade-requiring species on the north side of boulders or installing temporary shade structures. Such structures should be checked regularly to ensure their ongoing function due to potential vandalism concerns.

su	full sun
ps	part shade
sh	full shade

Height:

Average height in feet (at maturity) or what height can be expected.

Spread:

Average spread in feet; + : indeterminate growth or rhizomatous (spreading) plants.

Frequency of Occurance in Natural Communities:

The following designations are listed in order of their relative proportion within a given plant community.

Dom - Visually dominant in the mature landscape; usually refers to trees or large shrubs.

Subdom - Visually subdominant.

Fr - Refers to the numerical proportion of the species in the landscape. Especially in the case of grasses and herbaceous species, this category may indicate much higher numbers of individual plants than the dominant category, but these species do not dominate the casual vista.

Oc - Refers to plants that occur occasionally in the designated plant community.

17.0 Plant Community Lists

- Alluvial Fan Sage Scrub (AFSS)
- Chaparral (CH)
- Southern Coast Live Oak Riparian Forest (CLORF)
- Coast Live Oak Woodland (CLOW)
- Coastal Sage Scrub (CSS)
- Southern Cottonwood-Willow Riparian Forest (CWRF)
- Southern Sycamore Riparian Woodland (SRW)
- Valley Oak Woodland (VOW)
- California Walnut Woodland (WW)

Plant list nomenclature primarily follows *The Jepson Manual* (Hickman 1993). Some of the genus names on the plant lists have changed. In some instances both names are included on the plants lists: the current name is followed by the previous name in parentheses. For convenience, a list of genera synonyms is presented below. Please note: some names appear more than once; if unsure check both names.

Previous Genus Name	Current Genus Name
Cleome	Isomeris
Corethrogyne	Lesquigia
Diplacus	Mimulus
Elymus	Leymus
Haplopappus	Ericameria
Haplopappus	Isocoma
Mahonia	Berberis
Rhus	Malosma
Sitanion	Elymus
Solidago	Euthamia
Stipa	Achnatherum
Stipa	Nassella
Zauschneria	Epilobium

Alluvial Fan Sage Scrub

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Avg. Height	Avg. Spread	Short List	Occurrence in AFSS
Trees									
<i>Platanus racemosa</i>	California sycamore	t-d	6	M	su	40	40	Y	Oc.
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak	t	8	VL/L	su	40	40	Y	Oc.
<i>Sambucus mexicana</i>	Mexican elderberry	t-d	6	VL/L	su	15	20	Y	Oc.
Shrubs									
<i>Adenostoma fasciculatum</i>	chamise	s	4	VL/L	su	4-8	6		Oc.
<i>Arctostaphylos glauca</i>	bigberry manzanita	t/s	6	VL	su	6-15	6-15		Oc.
<i>Artemisia californica</i>	California sagebrush	s	3	VL	su/ps	3	2-3	Y	Fr. to Oc.
<i>Brickellia californica</i>	California bricklebrush	s	3	L	su/ps	2-4	3-5		Fr. to Oc.
<i>Ceanothus crassifolius</i>	hoaryleaf ceanothus	s	6	L	su	6-15	8-20		Oc.
<i>Ceanothus leucodermis</i>	chaparral whitethorn	s	6	L	su/ps	10-12	10-20		Oc.
<i>Cercocarpus betuloides</i> var. <i>betuloides</i>	mountain mahogany	s/t	6	L	su	6-20	12	Y	Oc.
<i>Dendromecon rigida</i>	bush poppy	s	5	VL	su	8-12	10-15		Oc.
<i>Encelia californica</i>	California encelia	s	3	L	su/ps	3-4	3-6	Y	Oc.
<i>Ericameria (Happlopappus) pinifolia</i>	pine goldenbush	s	3	VL	su	3-6	3-6		Fr. to Oc.
<i>Eriodictyon crassifolium</i>	thick-leaved yerba santa	s	2	VL	su	3-6	3+		Oc.
<i>Eriodictyon trichocalyx</i> var. <i>trichocalyx</i>	hairy yerba santa	s	2	VL	su	2-5	3+	Y	Fr.
<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	California buckwheat	s/gc	4	VL/L	su/ps	3	2-6		Subdom.
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	California buckwheat	s	3	VL/L	su/ps	3-5	2-6	Y	Oc.
<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	California buckwheat	s	3	VL/L	su/ps	3-5	2-6		Subdom.
<i>Gutierrezia californica</i>	California matchweed	s	2	VL	su	1-3	1-3		Fr. to Oc.
<i>Gutierrezia sarothrae</i>	broom snakeweed	s	2	VL	su	1-3	1-3		Fr. to Oc.
<i>Juniperus californica</i>	California juniper	s/t	6	VL	su	10-15	15-20		Fr. to Oc.
<i>Lepidospartum squamatum</i>	scale broom	s	4	VL	su	4	6		Dom.
<i>Malacothamnus fasciculatus</i>	chaparral bush mallow	s	4	VL	su	6	6+		Oc.
<i>Malosma laurina</i>	laurel sumac	s	6	VL	su	10	20	Y	Oc.
<i>Pluchea sericea</i>	arrow weed	s	3	L/M	su	6-8	6+	Y	Oc.
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	hollyleaf cherry	s	4	VL/L	su/ps	6-12	6-12	Y	Oc.

Alluvial Fan Sage Scrub (cont.)

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Av. Height	Av. Spread	Short List	Occurrence in AFSS
<i>Quercus berberidifolia</i> (<i>Q. dumosa</i>)	scrub oak	s/t	6	VL/L	su	8	8		Oc.
<i>Rhamnus crocea</i>	spiny redberry	s	4	VL/L	all	4	4	Y	Oc.
<i>Rhus integrifolia</i>	lemonadeberry	s	6	VL/L	su/ps	8-10	15	Y	Oc.
<i>Rhus ovata</i>	sugar bush	s	6	VL/L	su/ps	8-10	15	Y	Oc.
<i>Salvia apiana</i>	white sage	s	3	VL	su	3	3-5	Y	Fr.
<i>Salvia mellifera</i>	black sage	s	4	VL	su	4	6	Y	Oc.
Perennials									
<i>Croton californicus</i>	California croton	p	1	VL	su	.5-1.5	.5-2		Fr.
<i>Delphinium cardinale</i>	scarlet larkspur	p-d	2	VL	su	2-6	1		Oc.
<i>Dicentra chrysantha</i>	golden ear drops	p-d	1	VL	su	2-6	2-4		Oc.
<i>Eriastrum densifolium</i> ssp. <i>elongatum</i>	woolly star	p	1	VL	su	1-2	1-2		Fr.
<i>Eriophyllum confertiflorum</i>	golden yarrow	p	1	VL/L	su/ps	2	1-3		Fr. to Oc.
<i>Eschscholzia californica</i>	California poppy	a/p-d	1	VL/L	su/ps	1	1-2		Oc.
<i>Galium angustifolium</i>	narrow-leaf bedstraw	p	1	VL/L	su/ps	1-2	1-2		Fr.
<i>Lotus scoparius</i>	deerweed	p	2	VL	su	3	3		Fr. to Oc.
<i>Mirabilis californica</i>	wishbone bush	p-d	2	VL	su	1	3		Fr. to Oc.
<i>Pellea andromedifolia</i>	coffee fern	p	1	L	ps	1	2		Oc.
<i>Pellea mucronata</i>	bird's foot fern	p	1	L	ps	1	2		Oc.
<i>Penstemon spectabilis</i>	showy penstemon	p	2	VL	su	3	3		Oc.
<i>Polypodium californicum</i>	California polypody fern	p-d/gc	1	L	ps/sh	.5	1+		Oc.
<i>Solanum xanti</i>	purple or chaparral nightshade	p-d	2	VL/L	su/ps	2	3		Oc.
Grasses									
<i>Achnatherum (Stipa) coronatum</i>	giant stipa	g/p/gc	2	VL/L	su/ps	2-4	1-2		Oc.
<i>Achnatherum (Stipa) speciosum</i>	desert needlegrass	g/p/gc	1	VL/L	su	1-2	1-2		Oc.
<i>Elymus elymoides (Sitanton hystrix)</i>	squirreltail grass	g/p/gc	1	L	su	1-2	1-2		Oc.
<i>Melica imperfecta</i>	coast range melic	g/p/gc	1	L/M	all	2	2		Oc.

Alluvial Fan Sage Scrub (cont.)

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Avg. Height	Avg. Spread	Short List	Occurrence in AFSS
Succulents									
<i>Dudleya lanceolata</i>	lance-leaved live-forever	sc	1	VL/L	su/ps	1	1		Oc.
<i>Opuntia basilaris</i>	beaver tail	sc	2	VL	su	1-2	2		Oc.
<i>Opuntia littoralis</i>	coastal prickly pear	sc	3	VL	su	3	3+		Fr. to Oc.
<i>Opuntia parryi</i>	cane or snake cholla	sc	4	VL	su	4	4		Subdom.
<i>Yucca whipplei</i>	Our Lord's candle or chaparral yucca	sc	5	VL	su	3	5	Y	Fr.
Vines									
<i>Calystegia macrostegia</i> ssp. <i>arida</i>	finger-leaf morning glory	v/p	1	VL/M	su/ps	climbs		Y	Oc.
<i>Clematis ligusticifolia</i>	virgin's bower	v-d	2	L/M	su/ps	climbs		Y	Oc.
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	showy Pacific sweet pea	v/p	2	L	su/ps	climbs			Oc.
<i>Lathyrus vestitus</i> var. <i>vestitus</i> (<i>L. laetiflorus</i> ssp. <i>laetiflorus</i>)	Pacific sweet pea	v/p	2	L	su/ps	climbs			Oc.
<i>Sarcostemma cyanchooides</i> ssp. <i>hartwegii</i>	twining milkweed	v/s-d	2	VL/L	su/ps	climbs			Oc.
Groundcovers									
<i>Euthamia occidentalis</i>	western goldenrod	p/gc	1	M/H	su/ps	2-4	2+	Y	Fr. to Oc.
<i>Lessingia filaginifolia</i> var. <i>filaginifolia</i>	California-aster	p/gc	2	VL	su	1-3	1-3	Y	Fr. to Oc.
<i>Solidago californica</i>	California goldenrod	p/gc	1	L/M	su/ps	1	2+	Y	Fr. to Oc.
<i>Solidago confinis</i>	southern goldenrod	p/gc	1	M	su/ps	1	2+	Y	Fr. to Oc.

Chaparral

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Av. Height	Av. Spread	Short List	Occurrence in CH
Trees									
<i>Adenostoma sparsifolium</i>	red shanks	t/s	5	VL/L	su	8-20	15		Oc.
<i>Juglans californica</i> var. <i>californica</i>	California walnut	t-d	6	VL	su/ps	15-25	20	Y	Oc.
Shrubs									
<i>Adenostoma fasciculatum</i>	chamise	s	4	VL/L	su	4-8	6		Oc.
<i>Arctostaphylos glauca</i>	bigberry manzanita	t/s	6	VL	su	6-15	6-15		Oc.
<i>Artemisia californica</i>	California sagebrush	s	3	VL	su/ps	3	2-3	Y	Fr.
<i>Berberis (Mahonia) nevadensis</i>	Nevadensis barberry	s	5	VL/L	su	6-12	6-12	Y	Oc.
<i>Ceanothus crassifolius</i>	hoaryleaf ceanothus	s	6	L	su	6-15	8-20		Fr.
<i>Ceanothus leucodermis</i>	chaparral whitethorn	s	6	L	su/ps	10-12	10-20		Oc.
<i>Ceanothus megacarpus</i>	big-pod ceanothus	s	6	L	su	6-15	8-20		Subdom.
<i>Ceanothus oliganthus</i>	hairy ceanothus	s	6	L	su	8-10	8-10		Oc.
<i>Ceanothus spinosus</i>	greenbark ceanothus	s/t	6	VL	su/ps	8-20	10-20		Subdom.
<i>Cercocarpus betuloides</i> var. <i>betuloides</i>	mountain mahogany	s/t	6	L	su	6-20	12	Y	Fr.
<i>Dendromecon rigida</i>	bush poppy	s	5	VL	su	8-12	10-15		Oc.
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	California buckwheat	s	3	VL/L	su/ps	3-5	2-6	Y	Oc.
<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	California buckwheat	s	3	VL/L	su/ps	3-5	2-6		Oc.
<i>Fremontodendron californicum</i>	flannel bush	s/t	6	VL	su	6-20	15		Oc.
<i>Heteromeles arbutifolia</i>	toyon	s/t	6	L	su/ps	8-15	15	Y	Subdom.
<i>Isocoma menziesii</i> ssp. <i>vernonioides</i> (<i>Haplopappus venetus</i> ssp. <i>vernonioides</i>)	goldenbush	s	2	VL	su/ps	1-3	3		Oc.
<i>Malosma laurina</i>	laurel sumac	s	6	VL	su	10	20	Y	Oc.
<i>Mimulus (Diplacus) aurantiacus</i> (<i>M. (D.) longiflorus</i>)	bush monkeyflower	s	2	L	su/ps	2	2	Y	Oc.
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	hollyleaf cherry	s	4	VL/L	su/ps	6-12	6-12	Y	Subdom.
<i>Quercus berberidifolia</i> (<i>Q. dumosa</i>)	scrub oak	s/t	6	VL/L	su	8	8		Subdom.
<i>Rhamnus californica</i> ssp. <i>californica</i>	California coffeeberry	s	6	L	all	8	12	Y	Fr.

Chaparral (cont.)

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Avg. Height	Avg. Spread	Short List	Occurrence in CH
<i>Rhamnus crocea</i>	spiny redberry	s	4	VL/L	all	4	4	Y	Fr.
<i>Rhamnus ilicifolia</i> (<i>R. crocea</i> ssp. <i>ilicifolia</i>)	hollyleaf redberry or buckthorn	s	5	VL/L	all	6	6	Y	Fr.
<i>Rhus integrifolia</i>	lemonadeberry	s	6	VL/L	su/ps	8-10	15	Y	Fr.
<i>Rhus ovata</i>	sugar bush	s	6	VL/L	su/ps	8-10	15	Y	Fr.
<i>Rhus trilobata</i>	basket bush	s-d	4	L/M	su/ps	3-5	4-8		Oc.
<i>Ribes californicum</i> var. <i>hesperium</i>	hillside gooseberry	s-d	4	VL/L	ps	5	5-8	Y	Oc.
<i>Ribes malvaceum</i> var. <i>viridifolium</i>	chaparral currant	s-d	3	L	ps	5-8	5		Oc.
<i>Ribes speciosum</i>	fuchsia-flowered gooseberry	s-d	4	L	ps/sh	5-8	6-8	Y	Oc.
<i>Salvia apiana</i>	white sage	s	3	VL	su	3	3-5	Y	Oc.
<i>Salvia mellifera</i>	black sage	s	4	VL	su	4	6	Y	Fr.
<i>Trichostema lanatum</i>	woolly blue curls	s	3	VL/L	su	2-4	4		Oc.
Perennials									
<i>Asclepias eriocarpa</i>	Indian milkweed	p-d	3	VL/L	su	3	1+		Oc.
<i>Asclepias fascicularis</i>	narrow-leaved milkweed	p-d	2	L	su/ps	3	2+		Oc.
<i>Delphinium cardinale</i>	scarlet larkspur	p-d	2	VL	su	2-6	1		Oc.
<i>Epilobium canum</i> ssp. <i>latifolium</i> (<i>Zauschneria californica</i>)	California fuchsia	p	2	VL/L	su/ps	1-3	2-4	Y	Oc.
<i>Epilobium canum</i> ssp. <i>canum</i> (<i>Zauschneria californica</i>)	hoary California fuchsia	p	2	VL/L	su/ps	1-3	2-4	Y	Oc.
<i>Eriophyllum confertiflorum</i>	golden yarrow	p	1	VL/L	su/ps	2	1-3		Fr.
<i>Keckiella cordifolia</i>	heart-leaved penstemon	p/v-d	3	L/M	all	4	6		Oc.
<i>Lotus scoparius</i>	deerweed	p	2	VL	su	3	3		Fr.
<i>Lupinus longifolius</i>	blue bush lupine	p	2	L/M	su/ps	4	4		Oc.
<i>Penstemon centranthifolius</i>	scarlet bugler	p	2	VL	su	1	1-2		Oc.
<i>Penstemon heterophyllus</i> var. <i>australis</i>	foothill penstemon	p	1	VL	su/ps	1	2		Oc.
<i>Penstemon spectabilis</i>	showy penstemon	p	2	VL	su	3	3		Oc.
<i>Solanum xanti</i>	purple or chaparral nightshade	p-d	2	VL/L	su/ps	2	3		Fr.
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	meadow rue	p	2	L/M	ps/sh	2	2		Oc.

Chaparral (cont.)

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Av. Height	Av. Spread	Short List	Occurrence in CH
Grasses									
<i>Achnatherum (Stipa) coronatum</i>	giant stipa	g/p/gc	2	VL/L	su/ps	2-4	1-2		Oc.
<i>Bothriochloa barbinodis</i>	cane bluegrass	g/p/gc	1	VL/L	su	2-4	1		Oc.
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome	g/p/gc	1	L/M	su/ps	1.5-3	1+		Fr.
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wild rye	g/p/gc	3	L/M	all	1.5-3	1+		Oc.
<i>Melica imperfecta</i>	coast range melic	g/p/gc	1	L/M	all	2	2		Fr.
<i>Muhlenbergia rigens</i>	deergrass	g/p/gc	3	L	su/ps	3	4	Y	Oc.
<i>Nassella (Stipa) cernua</i>	nodding needlegrass	g/p/gc	1	VL/L	su/ps	2	2		Oc.
<i>Nassella (Stipa) lepida</i>	foothill needlegrass	g/p/gc	1	VL/L	su/ps	2	2		Oc.
<i>Nassella (Stipa) pulchra</i>	purple needlegrass	g/p/gc	1	VL/L	su/ps	2	2		Oc.
Succulents									
<i>Dudleya pulverulenta</i>	chalk dudleya	sc	1	VL/L	su/ps	1	1		Oc.
<i>Yucca whipplei</i>	Our Lord's candle or chaparral yucca	sc	5	VL	su	3	5	Y	Fr.
Vines									
<i>Clematis lasiantha</i>	pipestems	v-d	2	L/M	su/ps	climbs		Y	Oc.
<i>Clematis ligusticifolia</i>	virgin's bower	v-d	2	L/M	su/ps	climbs		Y	Oc.
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	showy Pacific sweet pea	v/p	2	L	su/ps	climbs			Oc.
<i>Lathyrus vestitus</i> var. <i>vestitus</i> (<i>L. laetiflorus</i> ssp. <i>laetiflorus</i>)	Pacific sweet pea	v/p	2	L	su/ps	climbs			Oc.
<i>Lonicera subspicata</i> var. <i>denudata</i> (<i>L. subspicata</i> var. <i>johnstonii</i>)	chaparral honeysuckle	v/s	2	VL/L	su/ps	climbs			Oc.
Groundcovers									
<i>Lessingia filaginifolia</i> var. <i>filaginifolia</i>	California-aster	p/gc	2	VL	su	1-3	1-3	Y	Fr. to Oc.
<i>Leymus condensatus</i>	giant ryegrass	g/p/gc	2	VL	all	4-5	3+	Y	Oc.
<i>Salvia spathacea</i>	pitcher sage	p/gc	2	L	ps/sh	1	3+	Y	Oc.
<i>Solidago californica</i>	California goldenrod	p/gc	1	L/M	su/ps	1	2+	Y	Fr. to Oc.
<i>Solidago confinis</i>	southern goldenrod	p/gc	1	M	su/ps	1	2+	Y	Fr. to Oc.
<i>Symphoricarpos mollis</i>	creeping snowberry	s-d/gc	2	M	ps/sh	2	2+	Y	Oc.

Southern Coast Live Oak Riparian Forest

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Av. Height	Av. Spread	Short List	Occurrence in CLORE
Trees									
<i>Fraxinus velutina</i> var. <i>coriacea</i>	velvet ash	t-d	6	M/H	su/ps	20-30	20-30		Fr. to Oc.
<i>Juglans californica</i> var. <i>californica</i>	California walnut	t-d	6	VL	su/ps	15-25	20	Y	Oc.
<i>Platanus racemosa</i>	California sycamore	t-d	6	M	su	40	40	Y	Subdom.
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood	t-d	8	M/H	su	30	30+		Fr. to Oc.
<i>Populus fremontii</i> ssp. <i>fremontii</i>	Fremont cottonwood	t-d	8	M/H	su	30	35	Y	Oc.
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak	t	8	VL/L	su	40	40	Y	Dom.
<i>Sambucus mexicana</i>	Mexican elderberry	t-d	6	VL/L	su	15	20	Y	Fr. to Oc.
<i>Umbellularia californica</i>	California bay laurel	t	6	M	su/ps	30	30	Y	Fr. to Oc.
Shrubs									
<i>Amorpha fruticosa</i>	false indigobush	s-d	3	L	su/ps	3-8	3-8		Oc.
<i>Artemisia californica</i>	California sagebrush	s	3	VL	su/ps	3	2-3	Y	Oc.
<i>Baccharis pilularis</i> var. <i>consanguinea</i>	coyote brush	s	4	L/M	su/ps	4-6	6-8	Y	Oc.
<i>Baccharis salicifolia</i>	mulefat	s	3	M	all	4-8	6-10	Y	Oc.
<i>Berberis (Mahonia) pinnata</i>	California barberry	s	4	L/M	su/ps	4-6	4+		Oc.
<i>Ceanothus oliganthus</i>	hairy ceanothus	s	6	L	su	8-10	8-10		Oc.
<i>Cornus glabrata</i>	brown dogwood	s/t-d	5	M/L	all	5-20	8-12		Subdom.
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	California buckwheat	s	3	VL/L	su/ps	3-5	2-6	Y	Oc.
<i>Heteromeles arbutifolia</i>	toyon	s/t	6	L	su/ps	8-15	15	Y	Oc.
<i>Isocoma menziesii</i> ssp. <i>vernonioides</i> (<i>Haplopappus venetus</i> ssp. <i>vernonioides</i>)	goldenbush	s	2	VL	su/ps	1-3	3		Oc.
<i>Malosma laurina</i>	laurel sumac	s	6	VL	su	10	20	Y	Fr.
<i>Mimulus (Diplacus) aurantiacus</i> (<i>M. (D.) longiflorus</i>)	bush monkeyflower	s	2	L	su/ps	2	2	Y	Oc.
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	hollyleaf cherry	s	4	VL/L	su/ps	6-12	6-12	Y	Fr.
<i>Rhamnus californica</i> ssp. <i>californica</i>	California coffeeberry	s	6	L	all	8	12	Y	Fr.
<i>Rhamnus ilicifolia</i> (<i>R. crocea</i> ssp. <i>ilicifolia</i>)	hollyleaf redberry or buckthorn	s	5	VL	all	6	6	Y	Fr. to Oc.

Southern Coast Live Oak Riparian Forest (cont.)

<i>Botanical Name</i>	<i>Common Name</i>	<i>Plant Form</i>	<i>Setback</i>	<i>Water Usage</i>	<i>Sun Exposure</i>	<i>Ay. Height</i>	<i>Ay. Spread</i>	<i>Short List</i>	<i>Occurrence in CLRF</i>
<i>Rhus integrifolia</i>	lemonadeberry	s	6	VL/L	su/ps	8-10	15	Y	Oc.
<i>Rhus trilobata</i>	basket bush	s-d	4	L/M	su/ps	3-5	4-8		Fr. to Oc.
<i>Ribes aureum</i> var. <i>gracillimum</i>	golden currant	s-d	3	VL/L	su/ps	6-8	6-8	Y	Fr. to Oc.
<i>Ribes californicum</i> var. <i>hesperium</i>	hillside gooseberry	s-d	4	VL/L	ps	5	5-8	Y	Oc.
<i>Ribes speciosum</i>	fuchsia-flowered gooseberry	s-d	4	L	ps/sh	5-8	6-8	Y	Oc.
<i>Rosa californica</i>	California wild rose	s	3	L	all	4-6	4+	Y	Fr. to Oc.
<i>Rubus ursinus</i>	California blackberry	s/v	6	M	ps/sh	4	8		Fr. to Oc.
<i>Salvia apiana</i>	white sage	s	3	VL	su	3	3-5	Y	Oc.
Perennials									
<i>Adiantum jordanii</i>	California maiden-hair	p-d	1	M/H	ps/sh	1.5	1.5		Oc.
<i>Artemisia douglasiana</i>	mugwort	p	3	L/M	all	3-5	3+	Y	Fr.
<i>Dryopteris arguta</i>	coastal wood fern	p	1	L/M	ps/sh	1-2	2+		Fr.
<i>Eriophyllum confertiflorum</i>	golden yarrow	p	1	VL/L	su/ps	2	1-3		Fr. to Oc.
<i>Juncus patens</i>	rush	p/gc	2	L/M	su/ps	2.5	3+	Y	Oc.
<i>Juncus torreyi</i>	rush	p	1-2	M	su/ps	2-3	3+		Oc.
<i>Keckiella cordifolia</i>	heart-leaved penstemon	p/v-d	3	L/M	all	4	6		Oc.
<i>Lotus scoparius</i>	deerweed	p	2	VL	su	3	3		Oc.
<i>Lupinus latifolius</i> var. <i>parishii</i>	broad-leaf canyon lupine	p	2	L/M	su/ps	4	4		Oc.
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	meadow rue	p	2	L/M	ps/sh	2	2		Oc.
<i>Venegasia carpesioides</i>	canyon sunflower	p	3	L/M	all	4	4		Oc.
Grasses									
<i>Agrostis exarata</i>	bent grass	g/p/gc	1-2	VL/L	su/ps	2-4	2		Fr.
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome	g/p/gc	1	L/M	su/ps	1.5-3	1+		Fr.
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wild rye	g/p/gc	3	L/M	all	1.5-3	1+		Fr. to Oc.
<i>Muhlenbergia rigens</i>	deergass	g/p/gc	3	L	su/ps	3	4	Y	Oc.
Vines									
<i>Clematis lasiantha</i>	pipestems	v-d	2	L/M	su/ps	climbs		Y	Oc.
<i>Clematis ligusticifolia</i>	virgin's bower	v-d	2	L/M	su/ps	climbs		Y	Oc.

Southern Coast Live Oak Riparian Forest (cont.)

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Av. Height	Av. Spread	Short List	Occurrence in CLORF
<i>Lathyrus vestitus</i> var. <i>vestitus</i> (<i>L. laetiflorus</i> ssp. <i>laetiflorus</i>)	Pacific sweet pea	v/p	2	L	su/ps	climbs			Oc.
<i>Lonicera subspicata</i> var. <i>denudata</i> (<i>L. subspicata</i> var. <i>johnstonii</i>)	chaparral honeysuckle	v/s	2	VL/L	su/ps	climbs			Oc.
<i>Vitis girdiana</i>	desert grape	v/s-d	2	M	all	climbs		Y	Oc.
Groundcovers									
<i>Baccharis pilularis</i> var. <i>pilularis</i>	prostrate coyote brush	s/gc	3	L/M	su/ps	1-3	6-8	Y	Oc.
<i>Carex praegracilis</i>	slender sedge	p/gc	1	M/H	su/ps	5-1	2+	Y	Oc.
<i>Lessingia filaginifolia</i> var. <i>filaginifolia</i>	California-aster	p/gc	2	VL	su	1-3	1-3	Y	Oc.
<i>Hordeum brachyantherum</i> ssp. <i>californicum</i>	California barley	g/p/gc	1	VL	su/ps	1-2	1		Fr. to Oc.
<i>Leymus condensatus</i>	giant ryegrass	g/p/gc	2	VL	all	4-5	3+	Y	Oc.
<i>Leymus triticoides</i>	creeping wild rye	g/p/gc	2	VL	all	2	2+	Y	Oc.
<i>Salvia spathacea</i>	pitcher sage	p/gc	2	L	ps/sh	1	3+	Y	Oc.
<i>Solidago californica</i>	California goldenrod	p/gc	1	L/M	su/ps	1	2+	Y	Fr. to Oc.
<i>Solidago confinis</i>	southern goldenrod	p/gc	1	M	su/ps	1	2+	Y	Fr. to Oc.
<i>Stachys bullata</i>	pink hedgenettle	p/gc	2	L/M	ps/sh	1-2	2+	Y	Fr. to Oc.
<i>Symphoricarpos mollis</i>	creeping snowberry	s-d/gc	2	M	ps/sh	2	2+	Y	Fr. to Oc.

Coast Live Oak Woodland

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Avg. Height	Avg. Spread	Short List	Occurrence in CLOW
Trees									
<i>Juglans californica</i> var. <i>californica</i>	California walnut	t-d	6	VL	su/ps	15-25	20	Y	Oc.
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak	t	8	VL/L	su	40	40	Y	Dom.
<i>Quercus engelmannii</i>	Engelmann or mesa oak	t	8	VL/L	su	30	30	Y	Oc.
<i>Sambucus mexicana</i>	Mexican elderberry	t-d	6	VL/L	su	15	20	Y	Fr. to Oc.
<i>Umbellularia californica</i>	California bay laurel	t	6	M	su/ps	30	30	Y	Fr. to Oc.
Shrubs									
<i>Amorpha fruticosa</i>	false indigobush	s-d	3	L	su/ps	3-8	3-8		Oc.
<i>Artemisia californica</i>	California sagebrush	s	3	VL	su/ps	3	2-3	Y	Oc.
<i>Baccharis pilularis</i> var. <i>consanguinea</i>	coyote brush	s	4	L/M	su/ps	4-6	6-8	Y	Oc.
<i>Berberis</i> (<i>Mahonia</i>) <i>pinnata</i>	California barberry	s	4	L/M	su/ps	4-6	4+		Oc.
<i>Ceanothus leucodermis</i>	chaparral whitethorn	s	6	L	su/ps	10-12	10-20		Oc.
<i>Ceanothus oliganthus</i>	hairy ceanothus	s	6	L	su	8-10	8-10		Oc.
<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	California buckwheat	s/gc	4	VL/L	su/ps	3	2-6		Oc.
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	California buckwheat	s	3	VL/L	su/ps	3-5	2-6	Y	Oc.
<i>Heteromeles arbutifolia</i>	toyon	s/t	6	L	su/ps	8-15	15	Y	Oc.
<i>Isocoma menziesii</i> ssp. <i>vernonioides</i> (<i>Haplopappus venetus</i> ssp. <i>vernonioides</i>)	goldenbush	s	2	VL	su/ps	1-3	3		Oc.
<i>Isomeris arborea</i> (<i>Cleome isomeris</i>)	bladderpod	s	4	VL	su/ps	3-5	5	Y	Oc.
<i>Malosma laurina</i>	laurel sumac	s	6	VL	su	10	20	Y	Fr. to Oc.
<i>Mimulus</i> (<i>Diplacus</i>) <i>aurantiacus</i> (<i>M.</i> (<i>D.</i>) <i>longiflorus</i>)	bush monkeyflower	s	2	L	su/ps	2	2	Y	Oc.
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	hollyleaf cherry	s	4	VL/L	su/ps	6-12	6-12	Y	Fr.
<i>Rhamnus californica</i> ssp. <i>californica</i>	California coffeeberry	s	6	L	all	8	12	Y	Fr. to Oc.
<i>Rhamnus ilicifolia</i> (<i>R. crocea</i> ssp. <i>ilicifolia</i>)	hollyleaf redberry or buckthorn	s	5	VL/L	all	6	6	Y	Fr. to Oc.
<i>Rhus integrifolia</i>	lemonadeberry	s	6	VL/L	su/ps	8-10	15	Y	Oc.
<i>Rhus ovata</i>	sugar bush	s	6	VL/L	su/ps	8-10	15	Y	Fr. to Oc.

Coast Live Oak Woodland (cont.)

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Avg. Height	Avg. Spread	Short List	Occurrence in CLOW
<i>Rhus trilobata</i>	basket bush	s-d	4	L/M	su/ps	3-5	4-8		Fr. to Oc.
<i>Ribes aureum</i> var. <i>gracillimum</i>	golden currant	s-d	3	VL/L	su/ps	6-8	6-8	Y	Fr. to Oc.
<i>Ribes californicum</i> var. <i>hesperium</i>	hillside gooseberry	s-d	4	VL/L	ps	5	5-8	Y	Oc.
<i>Ribes malvaeeum</i> var. <i>viridifolium</i>	chaparral currant	s-d	3	L	ps	5-8	5		Oc.
<i>Ribes speciosum</i>	fuchsia-flowered gooseberry	s-d	4	L	ps/sh	5-8	6-8	Y	Oc.
<i>Rosa californica</i>	California wild rose	s	3	L	all	4-6	4+	Y	Fr. to Oc.
<i>Salvia apiana</i>	white sage	s	3	VL	su	3	3-5	Y	Oc.
<i>Salvia leucophylla</i>	purple sage	s	5	VL	su	5	6-8	Y	Oc.
<i>Salvia mellifera</i>	black sage	s	4	VL	su	4	6	Y	Oc.
Perennials									
<i>Adiantum jordanii</i>	California maiden-hair	p-d	1	M/H	ps/sh	1.5	1.5		Oc.
<i>Asclepias eriocarpa</i>	Indian milkweed	p-d	3	VL/L	su	3	1+		Oc.
<i>Dryopteris arguta</i>	coastal wood fern	p	1	L/M	ps/sh	1-2	2+		Fr.
<i>Epilobium canum</i> ssp. <i>latifolium</i> (<i>Zauschneria californica</i>)	California fuchsia	p	2	VL/L	su/ps	1-3	2-4	Y	Fr.
<i>Eriophyllum confertiflorum</i>	golden yarrow	p	1	VL/L	su/ps	2	1-3		Fr. to Oc.
<i>Eschscholzia californica</i>	California poppy	a/p-d	1	VL/L	su/ps	1	1-2		Oc.
<i>Keckiella cordifolia</i>	heart-leaved penstemon	p/v-d	3	L/M	all	4	6		Oc.
<i>Leptodactylon californicum</i>	prickly phlox	p	2	VL	su/ps	2	2		Oc.
<i>Lotus scoparius</i>	deerweed	p	2	VL	su	3	3		Oc.
<i>Lupinus latifolius</i> var. <i>parishii</i>	broad-leaf canyon lupine	p	2	L/M	su/ps	4	4		Oc.
<i>Penstemon centranthifolius</i>	scarlet bugler	p	2	VL	su	1	1-2		Oc.
<i>Penstemon heterophyllus</i> var. <i>australis</i>	foothill penstemon	p	1	VL	su/ps	1	2		Oc.
<i>Penstemon spectabilis</i>	showy penstemon	p	2	VL	su	3	3		Oc.
<i>Sisyrinchium bellum</i>	blue-eyed grass	p-d	1	VL/L	su/ps	1	1		Fr.
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	meadow rue	p	2	L/M	ps/sh	2	2		Oc.
Grasses									
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome	g/p/gc	1	L/M	su/ps	1.5-3	1+		Fr.

Coast Live Oak Woodland (cont.)

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Av. Height	Av. Spread	Short List	Occurrence in CLOW
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wild rye	g/p/gc	3	L/M	all	1.5-3	1+		Fr. to Oc.
<i>Koeleria macrantha</i> (<i>crinata</i>) "	junegrass	g/p/gc	1	L	su/ps	1-2	1		Oc.
<i>Melica imperfecta</i>	coast range melic	g/p/gc	1	L/M	all	2	2		Fr.
<i>Muhlenbergia rigens</i>	deergrass	g/p/gc	3	L	su/ps	3	4	Y	Oc.
<i>Nassella</i> (<i>Stipa</i>) <i>cernua</i>	nodding needlegrass	g/p/gc	1	VL/L	su/ps	2	2		Fr. to Oc.
<i>Nassella</i> (<i>Stipa</i>) <i>lepida</i>	foothill needlegrass	g/p/gc	1	VL/L	su/ps	2	2		Fr. to Oc.
<i>Nassella</i> (<i>Stipa</i>) <i>pulchra</i>	purple needlegrass	g/p/gc	1	VL/L	su/ps	2	2		Fr. to Oc.
<i>Poa secunda</i> ssp. <i>secunda</i> (<i>P. scabrella</i>)	one-sided bluegrass	g/p/gc	1	VL/L	su/ps	1	1		Fr. to Oc.
Succulents									
<i>Yucca whipplei</i>	Our Lord's candle or chaparral yucca	sc	5	VL	su	3	5	Y	Oc.
Vines									
<i>Clematis lasiantha</i>	pipestems	v-d	2	L/M	su/ps	climbs		Y	Oc.
<i>Clematis ligusticifolia</i>	virgin's bower	v-d	2	L/M	su/ps	climbs		Y	Oc.
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	showy Pacific sweet pea	v/p	2	L	su/ps	climbs			Oc.
<i>Lathyrus vestitus</i> var. <i>vestitus</i> (<i>L. laetiflorus</i> ssp. <i>laetiflorus</i>)	Pacific sweet pea	v/p	2	L	su/ps	climbs			Oc.
Groundcovers									
<i>Achillea millefolium</i>	yarrow	p/gc	1	M	su/ps	.5-2	3		Oc.
<i>Baccharis pilularis</i> var. <i>pilularis</i>	prostrate coyote brush	s/gc	3	L/M	su/ps	1-3	6-8	Y	Oc.
<i>Carex praegracilis</i>	slender sedge	p/gc	1	M/H	su/ps	.5-1	2+	Y	Oc.
<i>Hordeum brachyantherum</i> ssp. <i>californicum</i>	California barley	g/p/gc	1	VL	su/ps	1-2	1		Fr. to Oc.
<i>Lessingia filaginifolia</i> var. <i>filaginifolia</i>	California aster	p/gc	2	VL	su	1-3	1-3	Y	Fr. to Oc.
<i>Leymus condensatus</i>	giant ryegrass	g/p/gc	2	VL	all	4-5	3+	Y	Oc.
<i>Salvia spathacea</i>	pitcher sage	p/gc	2	L	ps/sh	1	3+	Y	Oc.
<i>Solidago californica</i>	California goldenrod	p/gc	1	L/M	su/ps	1	2+	Y	Fr. to Oc.
<i>Solidago confinis</i>	southern goldenrod	p/gc	1	M	su/ps	1	2+	Y	Fr. to Oc.
<i>Symphoricarpos mollis</i>	creeping snowberry	s-d/gc	2	M	ps/sh	2	2+	Y	Fr. to Oc.

Coastal Sage Scrub

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Avg. Height	Avg. Spread	Short List	Occurrence in CSS
Trees									
<i>Sambucus mexicana</i>	Mexican elderberry	t-d	6	VL/L	su	15	20	Y	Fr. to Oc.
Shrubs									
<i>Artemisia californica</i>	California sagebrush	s	3	VL	su/ps	3	2-3	Y	Dom.
<i>Atriplex lentiformis</i> ssp. <i>lentiformis</i> (<i>A. lentiformis</i> ssp. <i>breweri</i>)	saltbush	s	5	VL	su	6-8	5-10	Y	Oc.
<i>Baccharis pilularis</i> var. <i>consanguinea</i>	coyote brush	s	4	L/M	su/ps	4-6	6-8	Y	Subdom.
<i>Berberis</i> (<i>Mahonia</i>) <i>nevadensis</i>	Nevadensis barberry	s	5	VL/L	su	6-12	6-12	Y	Oc.
<i>Dendromecon rigida</i>	bush poppy	s	5	VL	su	8-12	10-15		Oc.
<i>Encelia californica</i>	California encelia	s	3	L	su/ps	3-4	3-6	Y	Subdom.
<i>Ericameria</i> (<i>Haplopappus</i>) <i>pinifolia</i>	pine goldenbush	s	3	VL	su	3-6	3-6		Oc.
<i>Eriodictyon crassifolium</i>	thick-leaved yerba santa	s	2	VL	su	3-6	3+		Oc.
<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	California buckwheat	s/gc	4	VL/L	su/ps	3	2-6		Dom.
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	California buckwheat	s	3	VL/L	su/ps	3-5	2-6	Y	Oc.
<i>Heteromeles arbutifolia</i>	toyon	s/t	6	L	su/ps	8-15	15	Y	Oc.
<i>Isocoma menziesii</i> ssp. <i>vernonioides</i> (<i>Haplopappus venetus</i> ssp. <i>vernonioides</i>)	goldenbush	s	2	VL	su/ps	1-3	3		Fr. to Oc.
<i>Isomeris arborea</i> (<i>Cleome isomeris</i>)	bladderpod	s	4	VL	su/ps	3-5	5	Y	Fr. to Oc.
<i>Malacothamnus fasciculatus</i>	chaparral bush mallow	s	4	VL	su	6	6+		Oc.
<i>Malosma laurina</i>	laurel sumac	s	6	VL	su	10	20	Y	Fr.
<i>Mimulus</i> (<i>Diplacus</i>) <i>aurantiacus</i> (<i>M. (D.) longiflorus</i>)	bush monkeyflower	s	2	L	su/ps	2	2	Y	Fr.
<i>Pluchea sericea</i>	arrow weed	s	3	L/M	su	6-8	6+	Y	Oc.
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	hollyleaf cherry	s	4	VL/L	su/ps	6-12	6-12	Y	Oc.
<i>Quercus berberidifolia</i> (<i>Q. dumosa</i>)	scrub oak	s/t	6	VL/L	su	8	8		Oc.
<i>Rhamnus crocea</i>	spiny redberry	s	4	VL/L	all	4	4	Y	Fr. to Oc.
<i>Rhamnus ilicifolia</i> (<i>R. crocea</i> ssp. <i>ilicifolia</i>)	hollyleaf redberry or buckthorn	s	5	VL/L	all	6	6	Y	Fr. to Oc.

Coastal Sage Scrub (cont.)

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Avg. Height	Avg. Spread	Short List	Occurrence in CSS
<i>Rhus integrifolia</i>	lemonadeberry	s	6	VL/L	su/ps	8-10	15	Y	Fr. to Oc.
<i>Salvia apiana</i>	white sage	s	3	VL	su	3	3-5	Y	Oc.
<i>Salvia leucophylla</i>	purple sage	s	5	VL	su	5	6-8	Y	Fr. to Oc.
<i>Salvia mellifera</i>	black sage	s	4	VL	su	4	6	Y	Fr.
<i>Trichostema lanatum</i>	woolly blue curls	s	3	VL/L	su	2-4	4		Oc.
Perennials									
<i>Asclepias eriocarpa</i>	Indian milkweed	p-d	3	VL/L	su	3	1+		Oc.
<i>Asclepias fascicularis</i>	narrow-leaved milkweed	p-d	2	L	su/ps	3	2+		Oc.
<i>Croton californicus</i>	California croton	p	1	VL	su	.5-1.5	.5-2		Oc.
<i>Delphinium cardinale</i>	scarlet larkspur	p-d	2	VL	su	2-6	1		Oc.
<i>Dicentra chrysantha</i>	golden ear drops	p-d	1	VL	su	2-6	2-4		Oc.
<i>Epilobium canum</i> ssp. <i>latifolium</i> (<i>Zauschneria californica</i>)	California fuchsia	p	2	VL/L	su/ps	1-3	2-4	Y	Oc.
<i>Epilobium canum</i> ssp. <i>canum</i> (<i>Zauschneria californica</i>)	hoary California fuchsia	p	2	VL/L	su/ps	1-3	2-4	Y	Fr.
<i>Eriophyllum confertiflorum</i>	golden yarrow	p	1	VL/L	su/ps	2	1-3		Fr. to Oc.
<i>Eschscholzia californica</i>	California poppy	a/p-d	1	VL/L	su/ps	1	1-2		Fr.
<i>Keckiella cordifolia</i>	heart-leaved penstemon	p/v-d	3	L/M	all	4	6		Oc.
<i>Leptodactylon californicum</i>	prickly phlox	p	2	VL	su/ps	2	2		Oc.
<i>Lotus scoparius</i>	deerweed	p	2	VL	su	3	3		Fr.
<i>Lupinus longifolius</i>	blue bush lupine	p	2	L/M	su/ps	4	4		Oc.
<i>Mirabilis californica</i>	wishbone bush	p-d	2	VL	su	1	3		Fr. to Oc.
<i>Pellea andromedifolia</i>	coffee fern	p	1	L	ps	1	2		Fr.
<i>Pellea mucronata</i>	bird's foot fern	p	1	L	ps	1	2		Oc.
<i>Penstemon spectabilis</i>	showy penstemon	p	2	VL	su	3	3		Oc.
<i>Polypodium californicum</i>	California polypody fern	p-d/gc	1	L	ps/sh	5	1+		Oc.
<i>Sisyrinchium bellum</i>	blue-eyed grass	p-d	1	VL/L	su/ps	1	1		Fr. to Oc.
<i>Solanum xanti</i>	purple or chaparral nightshade	p-d	2	VL/L	su/ps	2	3		Fr.

Coastal Sage Scrub (cont.)

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Avg. Height	Avg. Spread	Short List	Occurrence in CSS
Grasses									
<i>Achnatherum (Stipa) coronatum</i>	giant stipa	g/p/gc	2	VL/L	su/ps	2-4	1-2		Oc.
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome	g/p/gc	1	L/M	su/ps	1.5-3	1+		Fr.
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wild rye	g/p/gc	3	L/M	all	1.5-3	1+		Oc.
<i>Melica imperfecta</i>	coast range melic	g/p/gc	1	L/M	all	2	2		Fr.
<i>Nassella (Stipa) lepida</i>	foothill needlegrass	g/p/gc	1	VL/L	su/ps	2	2		Fr. to Oc.
Succulents									
<i>Dudleya lanceolata</i>	lance-leaved live-forever	sc	1	VL/L	su/ps	1	1		Oc.
<i>Dudleya pulverulenta</i>	chalk dudleya	sc	1	VL/L	su/ps	1	1		Oc.
<i>Yucca whipplei</i>	Our Lord's candle or chaparral yucca	sc	5	VL	su	3	5	Y	Fr. to Oc.
Vines									
<i>Calystegia macrostegia</i> ssp. <i>intermedia</i>	wild morning glory	v/p	1	VL/M	su/ps	climbs		Y	Fr. to Oc.
<i>Clematis ligusticifolia</i>	virgin's bower	v-d	2	L/M	su/ps	climbs		Y	Oc.
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	showy Pacific sweet pea	v/p	2	L	su/ps	climbs			Oc.
<i>Lathyrus vestitus</i> var. <i>vestitus</i> (<i>L. laetiflorus</i> ssp. <i>laetiflorus</i>)	Pacific sweet pea	v/p	2	L	su/ps	climbs			Oc.
<i>Sarcostemma cyanchoides</i> ssp. <i>hartwegii</i>	twining milkweed	v/s-d	2	VL/L	su/ps	climbs			Oc.
Groundcovers									
<i>Baccharis pilularis</i> var. <i>pilularis</i>	prostrate coyote brush	s/gc	3	L/M	su/ps	1-3	6-8	Y	Subdom.
<i>Carex praegracilis</i>	slender sedge	p/gc	1	M/H	su/ps	5-1	2+	Y	Oc.
<i>Euthamia occidentalis</i>	western goldenrod	p/gc	1	M/H	su/ps	2-4	2+	Y	Fr. to Oc.
<i>Lessingia filaginifolia</i> var. <i>filaginifolia</i>	California-aster	p/gc	2	VL	su	1-3	1-3	Y	Fr. to Oc.
<i>Leymus condensatus</i>	giant ryegrass	g/p/gc	2	VL	all	4-5	3+	Y	Oc.
<i>Solidago californica</i>	California goldenrod	p/gc	1	L/M	su/ps	1	2+	Y	Fr. to Oc.
<i>Solidago confinis</i>	southern goldenrod	p/gc	1	M	su/ps	1	2+	Y	Fr. to Oc.

Southern Cottonwood-Willow Riparian Forest

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Av. Height	Av. Spread	Short List	Occurrence in CWRP
Trees									
<i>Fraxinus velutina</i> var. <i>coriacea</i>	velvet ash	t-d	6	M/H	su/ps	20-30	20-30		Oc.
<i>Platanus racemosa</i>	California sycamore	t-d	6	M	su	40	40	Y	Subdom.
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood	t-d	8	M/H	su	30	30+		Oc.
<i>Populus fremontii</i> ssp. <i>fremontii</i>	Fremont cottonwood	t-d	8	M/H	su	30	35	Y	Dom.
<i>Salix gooddingii</i>	black willow	t-d	6	M/H	su	25	25		Fr.
<i>Salix laevigata</i>	red willow	t-d	6	M/H	su/ps	15-20	15-20		Fr. to Oc.
<i>Sambucus mexicana</i>	Mexican elderberry	t-d	6	VL/L	su	15	20	Y	Subdom.
<i>Umbellularia californica</i>	California bay laurel	t	6	M	su/ps	30	30	Y	Fr. to Oc.
Shrubs									
<i>Baccharis salicifolia</i>	mulefat	s	3	M	all	4-8	6-10	Y	Subdom.
<i>Pluchea sericea</i>	arrow weed	s	3	L/M	su	6-8	6+	Y	Oc.
<i>Rhus trilobata</i>	basket bush	s-d	4	L/M	su/ps	3-5	4-8		Fr. to Oc.
<i>Rosa californica</i>	California wild rose	s	3	L	all	4-6	4+	Y	Fr. to Oc.
<i>Rubus ursinus</i>	California blackberry	s/v	6	M	ps/sh	4	8		Fr. to Oc.
<i>Salix exigua</i>	sand bar willow	s-d	3	M/H	su	6-10	6+		Subdom.
<i>Salix lasiolepis</i>	arroyo willow	s/t-d	5	M/H	su/ps	15	15	Y	Fr. to Oc.
<i>Salix lucida</i> ssp. <i>lasiandra</i>	shining willow	s/t-d	5	M/H	su/ps	15	15		Dom.
Perennials									
<i>Artemisia douglasiana</i>	mugwort	p	3	L/M	all	3-5	3+	Y	Fr.
<i>Eriophyllum confertiflorum</i>	golden yarrow	p	1	VL/L	su/ps	2	1-3		Fr. to Oc.
<i>Juncus patens</i>	rush	p/gc	2	L/M	su/ps	2.5	3+	Y	Fr. to Oc.
<i>Juncus torreyi</i>	rush	p	1-2	M	su/ps	2-3	3+		Fr. to Oc.
<i>Mimulus cardinalis</i>	scarlet monkeyflower	p	2	M/H	all	2	2		Oc.
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	meadow rue	p	2	L/M	ps/sh	2	2		Oc.
Grasses									
<i>Agrostis exarata</i>	bent grass	g/p/gc	1-2	VL/L	su/ps	2-4	2		Fr.
Vines									
<i>Clematis ligusticifolia</i>	virgin's bower	v-d	2	L/M	su/ps	climbs		Y	Oc.
<i>Vitis girdiana</i>	desert grape	v/s-d	2	M	all	climbs		Y	Oc.

Southern Cottonwood-Willow Riparian Forest (cont.)

<i>Botanical Name</i>	<i>Common Name</i>	<i>Plant Form</i>	<i>Setback</i>	<i>Water Usage</i>	<i>Sun Exposure</i>	<i>Av. Height</i>	<i>Av. Spread</i>	<i>Short List</i>	<i>Occurrence in CWRF</i>
Groundcovers									
<i>Carex praegracilis</i>	slender sedge	p/gc	1	M/H	su/ps	.5-1	2+	Y	Oc.
<i>Euthamia occidentalis</i>	western goldenrod	p/gc	1	M/H	su/ps	2-4	2+	Y	Fr. to Oc.
<i>Leymus condensatus</i>	giant ryegrass	g/p/gc	2	VL	all	4-5	3+	Y	Oc.
<i>Leymus iriticoides</i>	creeping wild rye	g/p/gc	2	VL	all	2	2+	Y	Oc.
<i>Solidago californica</i>	California goldenrod	p/gc	1	L/M	su/ps	1	2+	Y	Fr. to Oc.
<i>Solidago confinis</i>	southern goldenrod	p/gc	1	M	su/ps	1	2+	Y	Fr. to Oc.
<i>Symphoricarpos mollis</i>	creeping snowberry	s-d/gc	2	M	ps/sh	2	2+	Y	Fr. to Oc.

Southern Sycamore Riparian Woodland

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Av. Height	Av. Spread	Short List	Occurrence in SRW
Trees									
<i>Alnus rhombifolia</i>	white alder	t-d	6	M/H	all	20-30	20-30	Y	Oc.
<i>Fraxinus velutina</i> var. <i>coriacea</i>	velvet ash	t-d	6	M/H	su/ps	20-30	20-30		Fr. to Oc.
<i>Juglans californica</i> var. <i>californica</i>	California walnut	t-d	6	VL	su/ps	15-25	20	Y	Fr.
<i>Platanus racemosa</i>	California sycamore	t-d	6	M	su	40	40	Y	Dom.
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood	t-d	8	M/H	su	30	30+		Fr. to Oc.
<i>Populus fremontii</i> ssp. <i>fremontii</i>	Fremont cottonwood	t-d	8	M/H	su	30	35	Y	Oc.
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak	t	8	VL/L	su	40	40	Y	Oc.
<i>Sambucus mexicana</i>	Mexican elderberry	t-d	6	VL/L	su	15	20	Y	Subdom.
<i>Umbellularia californica</i>	California bay laurel	t	6	M	su/ps	30	30	Y	Fr. to Oc.
Shrubs									
<i>Amorpha fruticosa</i>	false indigobush	s-d	3	L	su/ps	3-8	3-8		Fr. to Oc.
<i>Artemisia californica</i>	California sagebrush	s	3	VL	su/ps	3	2-3	Y	Fr. to Oc.
<i>Baccharis pilularis</i> var. <i>consanguinea</i>	coyote brush	s	4	L/M	su/ps	4-6	6-8	Y	Fr.
<i>Baccharis salicifolia</i>	mulefat	s	3	M	all	4-8	6-10	Y	Fr.
<i>Berberis (Mahonia) pinnata</i>	California barberry	s	4	L/M	su/ps	4-6	4+		Oc.
<i>Cornus glabrata</i>	brown dogwood	s/t-d	5	M/L	all	5-20	8-12		Oc.
<i>Heteromeles arbutifolia</i>	toyon	s/t	6	L	su/ps	8-15	15	Y	Oc.
<i>Isocoma menziesii</i> ssp. <i>vernonioides</i> (<i>Haplopappus venetus</i> ssp. <i>vernonioides</i>)	goldenbush	s	2	VL	su/ps	1-3	3		Oc.
<i>Malosma laurina</i>	laurel sumac	s	6	VL	su	10	20	Y	Fr.
<i>Mimulus (Diplacus) aurantiacus</i> (<i>M. (D.) longiflorus</i>)	bush monkeyflower	s	2	L	su/ps	2	2	Y	Fr.
<i>Pluchea sericea</i>	arrow weed	s	3	L/M	su	6-8	6+	Y	Oc.
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	hollyleaf cherry	s	4	VL/L	su/ps	6-12	6-12	Y	Oc.
<i>Rhamnus californica</i> ssp. <i>californica</i>	California coffeeberry	s	6	L	all	8	12	Y	Fr. to Oc.
<i>Rhamnus ilicifolia</i> (<i>R. crocea</i> ssp. <i>ilicifolia</i>)	hollyleaf redberry or buckthorn	s	5	VL/L	all	6	6	Y	Fr. to Oc.
<i>Rhus integrifolia</i>	lemonadeberry	s	6	VL/L	su/ps	8-10	15	Y	Oc.
<i>Rhus trilobata</i>	basket bush	s-d	4	L/M	su/ps	3-5	4-8		Fr. to Oc.

Southern Sycamore Riparian Woodland (cont.)

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Avg. Height	Avg. Spread	Short List	Occurrence in SRW
<i>Ribes aureum</i> var. <i>gracillimum</i>	golden currant	s-d	3	VL/L	su/ps	6-8	6-8	Y	Fr. to Oc.
<i>Ribes californicum</i> var. <i>hesperium</i>	hillside gooseberry	s-d	4	VL/L	ps	5	5-8	Y	Oc.
<i>Ribes speciosum</i>	fuchsia-flowered gooseberry	s-d	4	L	ps/sh	5-8	6-8	Y	Oc.
<i>Rosa californica</i>	California wild rose	s	3	L	all	4-6	4+	Y	Fr. to Oc.
<i>Rubus ursinus</i>	California blackberry	s/v	6	M	ps/sh	4	8		Fr. to Oc.
<i>Salvia apiana</i>	white sage	s	3	VL	su	3	3-5	Y	Fr. to Oc.
<i>Trichostema lanatum</i>	woolly blue curls	s	3	VL/L	su	2-4	4		Oc.
Perennials									
<i>Artemisia douglasiana</i>	mugwort	p	3	L/M	all	3-5	3+	Y	Fr.
<i>Eriophyllum confertiflorum</i>	golden yarrow	p	1	VL/L	su/ps	2	1-3		Fr. to Oc.
<i>Eschscholzia californica</i>	California poppy	a/p-d	1	VL/L	su/ps	1	1-2		Oc.
<i>Juncus patens</i>	rush	p/gc	2	L/M	su/ps	2.5	3+	Y	Oc.
<i>Juncus torreyi</i>	rush	p	1-2	M	su/ps	2-3	3+		Oc.
<i>Keckiella cordifolia</i>	heart-leaved penstemon	p/v-d	3	L/M	all	4	6		Oc.
<i>Lotus scoparius</i>	deerweed	p	2	VL	su	3	3		Oc.
<i>Lupinus latifolius</i> var. <i>parishii</i>	broad-leaf canyon lupine	p	2	L/M	su/ps	4	4		Oc.
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	meadow rue	p	2	L/M	ps/sh	2	2		Oc.
<i>Venegasia carpesioides</i>	canyon sunflower	p	3	L/M	all	4	4		Oc.
Grasses									
<i>Agrostis exarata</i>	bent grass	g/p/gc	1-2	VL/L	su/ps	2-4	2		Fr.
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome	g/p/gc	1	L/M	su/ps	1.5-3	1+		Fr.
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wild rye	g/p/gc	3	L/M	all	1.5-3	1+		Fr. to Oc.
<i>Muhlenbergia rigens</i>	deergrass	g/p/gc	3	L	su/ps	3	4	Y	Oc.
Vines									
<i>Clematis ligusticifolia</i>	virgin's bower	v-d	2	L/M	su/ps	climbs		Y	Oc.
<i>Vitis girdiana</i>	desert grape	v/s-d	2	M	all	climbs		Y	Oc.
Groundcovers									
<i>Baccharis pilularis</i> var. <i>pilularis</i>	prostrate coyote brush	s/gc	3	L/M	su/ps	1-3	6-8	Y	Fr.
<i>Carex praegracilis</i>	slender sedge	p/gc	1	M/H	su/ps	.5-1	2+	Y	Oc.
<i>Euthamia occidentalis</i>	western goldenrod	p/gc	1	M/H	su/ps	2-4	2+	Y	Fr. to Oc.

Southern Sycamore Riparian Woodland (cont.)

<i>Botanical Name</i>	<i>Common Name</i>	<i>Plant Form</i>	<i>Setback</i>	<i>Water Usage</i>	<i>Sun Exposure</i>	<i>Av. Height</i>	<i>Av. Spread</i>	<i>Short List</i>	<i>Occurrence in SRW</i>
<i>Hordeum brachyantherum</i> ssp. <i>californicum</i>	California barley	g/p/gc	1	VL	su/ps	1-2	1		Fr. to Oc.
<i>Leymus condensatus</i>	giant ryegrass	g/p/gc	2	VL	all	4-5	3+	Y	Oc.
<i>Leymus triticoides</i>	creeping wild rye	g/p/gc	2	VL	all	2	2+	Y	Oc.
<i>Salvia spathacea</i>	pitcher sage	p/gc	2	L	ps/sh	1	3+	Y	Oc.
<i>Solidago californica</i>	California goldenrod	p/gc	1	L/M	su/ps	1	2+	Y	Fr. to Oc.
<i>Solidago confinis</i>	southern goldenrod	p/gc	1	M	su/ps	1	2+	Y	Fr. to Oc.
<i>Stachys bullata</i>	pink hedgenettle	p/gc	2	L/M	ps/sh	1-2	2+	Y	Fr. to Oc.
<i>Symphoricarpos mollis</i>	creeping snowberry	s-d/gc	2	M	ps/sh	2	2+	Y	Fr. to Oc.

Valley Oak Woodland

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Av. Height	Av. Spread	Short List	Occurrence in VOW
Trees									
<i>Fraxinus velutina</i> var. <i>coriacea</i>	velvet ash	t-d	6	M/H	su/ps	20-30	20-30		Oc.
<i>Platanus racemosa</i>	California sycamore	t-d	6	M	su	40	40	Y	Subdom.
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak	t	8	VL/L	su	40	40	Y	Oc.
<i>Quercus lobata</i>	valley oak	t-d	8	M	su	35	35	Y	Dom.
Shrubs									
<i>Rhamnus californica</i> ssp. <i>californica</i>	California coffeeberry	s	6	L	all	8	12	Y	Fr. to Oc.
Perennials									
<i>Eriophyllum confertiflorum</i>	golden yarrow	p	1	VL/L	su/ps	2	1-3		Fr. to Oc.
<i>Eschscholzia californica</i>	California poppy	a/p-d	1	VL/L	su/ps	1	1-2		Oc.
<i>Sisyrinchium bellum</i>	blue-eyed grass	p-d	1	VL/L	su/ps	1	1		Fr.
Grasses									
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome	g/p/gc	1	L/M	su/ps	1.5-3	1+		Fr.
<i>Muhlenbergia rigens</i>	deergass	g/p/gc	3	L	su/ps	3	4	Y	Fr.
<i>Nassella (Stipa) cernua</i>	nodding needlegrass	g/p/gc	1	VL/L	su/ps	2	2		Fr.
<i>Nassella (Stipa) pulchra</i>	purple needlegrass	g/p/gc	1	VL/L	su/ps	2	2		Fr.
Vines									
<i>Clematis ligusticifolia</i>	virgin's bower	v-d	2	L/M	su/ps	climbs		Y	Oc.
<i>Lathyrus vestitus</i> var. <i>vestitus</i> (<i>L. laetiflorus</i> ssp. <i>laetiflorus</i>)	Pacific sweet pea	v/p	2	L	su/ps	climbs			Oc.
<i>Vitis girdiana</i>	desert grape	v/s-d	2	M	all	climbs		Y	Oc.
Groundcovers									
<i>Achillea millefolium</i>	yarrow	p/gc	1	M	su/ps	5-2	3		Oc.
<i>Carex praegracilis</i>	slender sedge	p/gc	1	M/H	su/ps	5-1	2+	Y	Oc.
<i>Euthamia occidentalis</i>	western goldenrod	p/gc	1	M/H	su/ps	2-4	2+	Y	Fr. to Oc.
<i>Hordeum brachyantherum</i> ssp. <i>californicum</i>	California barley	g/p/gc	1	VL	su/ps	1-2	1		
<i>Lessingia filaginifolia</i> var. <i>filaginifolia</i>	California-aster	p/gc	2	VL	su	1-3	1-3	Y	Oc.
<i>Leymus condensatus</i>	giant ryegrass	g/p/gc	2	VL	all	4-5	3+	Y	Oc.
<i>Leymus triticoides</i>	creeping wild rye	g/p/gc	2	VL	all	2	2+	Y	Oc.
<i>Solidago californica</i>	California goldenrod	p/gc	1	L/M	su/ps	1	2+	Y	Fr. to Oc.
<i>Solidago confinis</i>	southern goldenrod	p/gc	1	M	su/ps	1	2+	Y	Fr. to Oc.

California Walnut Woodland

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Av. Height	Av. Spread	Short List	Occurrence in WW
Trees									
<i>Juglans californica</i> var. <i>californica</i>	California walnut	t-d	6	VL	su/ps	15-25	20	Y	Dom.
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak	t	8	VL/L	su	40	40	Y	Subdom.
<i>Sambucus mexicana</i>	Mexican elderberry	t-d	6	VL/L	su	15	20	Y	Fr. to Oc.
Shrubs									
<i>Heteromeles arbutifolia</i>	toyon	s/t	6	L	su/ps	8-15	15	Y	Subdom.
<i>Malacothamnus fasciculatus</i>	chaparral bush mallow	s	4	VL	su	6	6+		Fr. to Oc.
<i>Mimulus (Diplacus) aurantiacus</i> (<i>M. (D.) longiflorus</i>)	bush monkeyflower	s	2	L	su/ps	2	2	Y	Fr.
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	hollyleaf cherry	s	4	VL/L	su/ps	6-12	6-12	Y	Fr.
<i>Rhus ovata</i>	sugar bush	s	6	VL/L	su/ps	8-10	15	Y	Fr. to Oc.
<i>Ribes aureum</i> var. <i>gracillimum</i>	golden currant	s-d	3	VL/L	su/ps	6-8	6-8	Y	Fr. to Oc.
<i>Salvia leucophylla</i>	purple sage	s	5	VL	su	5	6-8	Y	Oc.
Perennials									
<i>Asclepias fascicularis</i>	narrow-leaved milkweed	p-d	2	L	su/ps	3	2+		Oc.
<i>Dryopteris arguta</i>	coastal wood fern	p	1	L/M	ps/sh	1-2	2+		Oc.
<i>Eriophyllum confertiflorum</i>	golden yarrow	p	1	VL/L	su/ps	2	1-3		Fr. to Oc.
<i>Eschscholzia californica</i>	California poppy	a/p-d	1	VL/L	su/ps	1	1-2		Oc.
<i>Sisyrinchium bellum</i>	blue-eyed grass	p-d	1	VL/L	su/ps	1	1		Fr.
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	meadow rue	p	2	L/M	ps/sh	2	2		Oc.
Grasses									
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome	g/p/gc	1	L/M	su/ps	1.5-3	1+		Oc.
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wild rye	g/p/gc	3	L/M	all	1.5-3	1+		Fr. to Oc.
<i>Melica imperfecta</i>	coast range melic	g/p/gc	1	L/M	all	2	2		Fr.
<i>Nassella (Stipa) lepida</i>	foothill needlegrass	g/p/gc	1	VL/L	su/ps	2	2		Oc.
<i>Nassella (Stipa) pulchra</i>	purple needlegrass	g/p/gc	1	VL/L	su/ps	2	2		Oc.
<i>Poa secunda</i> ssp. <i>secunda</i> (<i>P. scabrella</i>)	one-sided bluegrass	g/p/gc	1	VL/L	su/ps	1	1		Fr. to Oc.

California Walnut Woodland (cont.)

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Ax. Height	Ax. Spread	Short List	Occurrence in WW
Vines									
<i>Calystegia macrostegia</i> ssp. <i>arida</i>	finger-leaf morning glory	v/p	1	VL/M	su/ps	climbs		Y	Fr. to Oc.
<i>Calystegia macrostegia</i> ssp. <i>intermedia</i>	wild morning glory	v/p	1	VL/M	su/ps	climbs		Y	Fr. to Oc.
<i>Clematis ligusticifolia</i>	virgin's bower	v-d	2	L/M	su/ps	climbs		Y	Oc.
<i>Lonicera subspicata</i> var. <i>denudata</i> (<i>L. subspicata</i> var. <i>johnstonii</i>)	chaparral honeysuckle	v/s	2	VL/L	su/ps	climbs			Oc.
Groundcovers									
<i>Achillea millefolium</i>	yarrow	p/gc	1	M	su/ps	.5-2	3		Oc.
<i>Carex praegracilis</i>	slender sedge	p/gc	1	M/H	su/ps	.5-1	2+	Y	Oc.
<i>Euthamia occidentalis</i>	western goldenrod	p/gc	1	M/H	su/ps	2-4	2+	Y	Fr. to Oc.
<i>Lessingia filaginifolia</i> var. <i>filaginifolia</i>	California-aster	p/gc	2	VL	su	1-3	1-3	Y	Fr. to Oc.
<i>Leymus condensatus</i>	giant ryegrass	g/p/gc	2	VL	all	4-5	3+	Y	Oc.
<i>Leymus triticoides</i>	creeping wild rye	g/p/gc	2	VL	all	2	2+	Y	Oc.
<i>Solidago californica</i>	California goldenrod	p/gc	1	L/M	su/ps	1	2+	Y	Fr. to Oc.
<i>Solidago confinis</i>	southern goldenrod	p/gc	1	M	su/ps	1	2+	Y	Fr. to Oc.
<i>Symphoricarpos mollis</i>	creeping snowberry	s-d/gc	2	M	ps/sh	2	2+	Y	Fr. to Oc.

18.0 Other Helpful Plant Lists

- Native Vines
- Compiled list of all Los Angeles River plants and associations

Plant list nomenclature primarily follows *The Jepson Manual* (Hickman 1993). Some of the genus names on the plant lists have changed. In some instances both names are included on the plants lists: the current name is followed by the previous name in parentheses. For convenience, a list of genera synonyms is presented below. Please note: some names appear more than once; if unsure check both names.

Previous Genus Name	Current Genus Name
Cleome	Isomeris
Corethrogyne	Lessingia
Diplacus	Mimulus
Elymus	Leymus
Haplopappus	Ericameria
Haplopappus	Isocoma
Mahonia	Berberis
Rhus	Malosma
Sitanion	Elymus
Solidago	Euthamia
Stipa	Achnatherum
Stipa	Nassella
Zauschneria	Epilobium

Native Vines

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Avg. Height	Avg. Spread	Short List	Communities
<i>Calystegia macrostegia</i> ssp. <i>arida</i>	finger-leaf morning glory	v/p	1	VL/M	su/ps	climbs		Y	AFSS, WW
<i>Calystegia macrostegia</i> ssp. <i>intermedia</i>	wild morning glory	v/p	1	VL/M	su/ps	climbs		Y	CSS, WW
<i>Clematis lasiantha</i>	pipestems	v-d	2	L/M	su/ps	climbs		Y	CH, CLORF, CLOW
<i>Clematis ligusticifolia</i>	virgin's bower	v-d	2	L/M	su/ps	climbs		Y	All lists
<i>Keckiella cordifolia</i>	heart-leaved penstemon	p/v-d	3	L/M	all	4	6		CH, CLORF, CLOW, CSS, SRW
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	showy Pacific sweet pea	v/p	2	L	su/ps	climbs			AFSS, CH, CLOW, CSS
<i>Lathyrus vestitus</i> var. <i>vestitus</i> (<i>L. laetiflorus</i> ssp. <i>laetiflorus</i>)	Pacific sweet pea	v/p	2	L	su/ps	climbs			AFSS, CH, CLORF, CLOW, CSS, VOW
<i>Lonicera subspicata</i> var. <i>demidata</i> (<i>L. subspicata</i> var. <i>johnstonii</i>)	chaparral honeysuckle	v/s	2	VL/L	su/ps	climbs			CH, CLORF, WW
<i>Rubus ursinus</i>	California blackberry	s/v	6	M	ps/sh	4	8		CLORF, CWRF, SRW
<i>Sarcostemma cyanchoides</i> ssp. <i>hartwegii</i>	twining milkweed	v/s-d	2	VL/L	su/ps	climbs			AFSS, CSS
<i>Vitis girdiana</i>	desert grape	v/s-d	2	M	all	climbs		Y	CLORF, CWRF, SRW, VOW

Compiled List of All Los Angeles River Plants and Communities

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Av. Height	Av. Spread	Short List
<i>Achillea millefolium</i>	yarrow	p/gc	1	M	su/ps	5-2	3	
<i>Achnatherum (Stipa) coronatum</i>	giant stipa	g/p/gc	2	VL/L	su/ps	2-4	1-2	
<i>Achnatherum (Stipa) speciosum</i>	desert needlegrass	g/p/gc	1	VL/L	su	1-2	1-2	
<i>Adenostoma fasciculatum</i>	chamise	s	4	VL/L	su	4-8	6	
<i>Adenostoma sparsifolium</i>	red shanks	t/s	5	VL/L	su	8-20	15	
<i>Adiantum jordanii</i>	California maiden-hair	p-d	1	M/H	ps/sh	1.5	1.5	
<i>Agrostis exarata</i>	bent grass	g/p/gc	1-2	VL/L	su/ps	2-4	2	
<i>Alnus rhombifolia</i>	white alder	t-d	6	M/H	all	20-30	20-30	Y
<i>Amorpha fruticosa</i>	false indigobush	s-d	3	L	su/ps	3-8	3-8	
<i>Arctostaphylos glauca</i>	bigberry manzanita	t/s	6	VL	su	6-15	6-15	
<i>Artemisia californica</i>	California sagebrush	s	3	VL	su/ps	3	2-3	Y
<i>Artemisia douglasiana</i>	mugwort	p	3	L/M	all	3-5	3+	Y
<i>Asclepias eriocarpa</i>	Indian milkweed	p-d	3	VL/L	su	3	1+	
<i>Asclepias fascicularis</i>	narrow-leaved milkweed	p-d	2	L	su/ps	3	2+	
<i>Atriplex lentiformis</i> ssp. <i>lentiformis</i> (<i>A. lentiformis</i> ssp. <i>breweri</i>)	saltbush	s	5	VL	su	6-8	5-10	Y
<i>Baccharis pilularis</i> var. <i>consanguinea</i>	coyote brush	s	4	L/M	su/ps	4-6	6-8	Y
<i>Baccharis pilularis</i> var. <i>pilularis</i>	prostrate coyote brush	s/gc	3	L/M	su/ps	1-3	6-8	Y
<i>Baccharis salicifolia</i>	mulefat	s	3	M	all	4-8	6-10	Y
<i>Berberis (Mahonia) nevinii</i>	Nevin's barberry	s	5	VL/L	su	6-12	6-12	Y
<i>Berberis (Mahonia) pinnata</i>	California barberry	s	4	L/M	su/ps	4-6	4+	
<i>Bothriochloa barbinodis</i>	cane bluegrass	g/p/gc	1	VL/L	su	2-4	1	
<i>Brickellia californica</i>	California bricklebrush	s	3	L	su/ps	2-4	3-5	
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome	g/p/gc	1	L/M	su/ps	1.5-3	1+	
<i>Calystegia macrostegia</i> ssp. <i>arida</i>	finger-leaf morning glory	v/p	1	VL/M	su/ps	climbs		Y
<i>Calystegia macrostegia</i> ssp. <i>intermedia</i>	wild morning glory	v/p	1	VL/M	su/ps	climbs		Y
<i>Carex alma</i>	sturdy sedge	p	1	H	su/ps	1-3	1-3	
<i>Carex barbarae</i>	Santa Barbara sedge	p/gc	2	M	su/ps	1-3	1-3+	
<i>Carex praegracilis</i>	slender sedge	p/gc	1	M/H	su/ps	.5-1	2+	Y
<i>Carex senta</i>	rough sedge	p/gc	2	H	su/ps	1-2	1-2+	
<i>Carex subfusca</i>	rusty sedge	p/gc	2	L/M	su/ps	1-2	1-2+	
<i>Ceanothus crassifolius</i>	hoaryleaf ceanothus	s	6	L	su	6-15	8-20	
<i>Ceanothus leucodermis</i>	chaparral whitethorn	s	6	L	su/ps	10-12	10-20	
<i>Ceanothus megacarpus</i>	big-pod ceanothus	s	6	L	su	6-15	8-20	
<i>Ceanothus oliganthus</i>	hairy ceanothus	s	6	L	su	8-10	8-10	
<i>Ceanothus spinosus</i>	greenbark ceanothus	s/t	6	VL	su/ps	8-20	10-20	
<i>Cercocarpus betuloides</i> var. <i>betuloides</i>	mountain mahogany	s/t	6	L	su	6-20	12	Y
<i>Clematis lasiantha</i>	pipestems	v-d	2	L/M	su/ps	climbs		Y
<i>Clematis ligusticifolia</i>	virgin's bower	v-d	2	L/M	su/ps	climbs		Y
<i>Cornus glabrata</i>	brown dogwood	s/t-d	5	M/L	all	5-20	8-12	
<i>Croton californicus</i>	California croton	p	1	VL	su	.5-1.5	.5-2	

Immediate coast	Mid region acc. to water	Mid region, no water	Mid region, shade	Upper Watershed	AFSS	CH	CLORF	CLOW	CSS	CWRP	SRW	VOW	WW
								Oc.				Oc.	Oc.
					Oc.	Oc.			Oc.				
					Oc.	Oc.							
					Oc.	Oc.							
							Oc.	Oc.					
							Fr.			Fr.	Fr.		
*	*			*			Oc.	Oc.			Fr. to Oc.		
					Oc.	Oc.							
X	X	X		X	Fr. to Oc.	Fr.	Oc.	Oc.	Dom.		Fr. to Oc.		
X	X			X			Fr.			Fr.	Fr.		
						Oc.		Oc.	Oc.				Oc.
									Oc.				
X	X	X					Oc.	Oc.	Subdom.		Fr.		
X	X	X					Oc.	Oc.	Subdom.		Fr.		
X	X			*			Oc.			Subdom.	Fr.		
	X	X		X		Oc.			Oc.				
						Oc.					Oc.		
					Fr. to Oc.								
	X	X		X	Oc.	Fr.	Fr.	Fr.	Fr.		Fr.	Fr.	Oc.
X	X								Fr. to Oc.				Fr. to Oc.
X	X			X			Oc.	Oc.	Oc.	Fr. to Oc.	Fr. to Oc.	Oc.	Oc.
					Oc.	Fr.							
					Oc.	Oc.		Oc.					
						Subdom.							
						Oc.	Oc.						
					Subdom.								
X	X	X		X	Oc.	Fr.							
	X	X	X	X		Oc.	Oc.	Oc.					
	X		X	X	Oc.	Oc.	Oc.	Oc.	Oc.	Oc.	Oc.	Oc.	Oc.
							Subdom.				Oc.		
					Fr.				Oc.				

Compiled list of all Los Angeles River plants and communities (cont.)

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Avg. Height	Avg. Spread	Short List
<i>Delphinium cardinale</i>	scarlet larkspur	p-d	2	VL	su	2-6	1	
<i>Dendromecon rigida</i>	bush poppy	s	5	VL	su	8-12	10-15	
<i>Dicentra chrysantha</i>	golden ear drops	p-d	1	VL	su	2-6	2-4	
<i>Dryopteris arguta</i>	coastal wood fern	p	1	L/M	ps/sh	1-2	2+	
<i>Dudleya lanceolata</i>	lance-leaved live-forever	sc	1	VL/L	su/ps	1	1	
<i>Dudleya pulverulenta</i>	chalk dudleya	sc	1	VL/L	su/ps	1	1	
<i>Elymus elymoides</i> (<i>Sitanion hystrix</i>)	squirreltail grass	g/p/gc	1	L	su	1-2	1-2	
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wild rye	g/p/gc	3	L/M	all	1.5-3	1+	
<i>Encelia californica</i>	California encelia	s	3	L	su/ps	3-4	3-6	Y
<i>Epilobium canum</i> ssp. <i>latifolium</i> (<i>Zauschneria californica</i>)	California fuchsia	p	2	VL/L	su/ps	1-3	2-4	Y
<i>Epilobium canum</i> ssp. <i>canum</i> (<i>Zauschneria californica</i>)	hoary California fuchsia	p	2	VL/L	su/ps	1-3	2-4	Y
<i>Eriastrum densifolium</i> ssp. <i>elongatum</i>	woolly star	p	1	VL	su	1-2	1-2	
<i>Ericameria</i> (<i>Haplopappus</i>) <i>pinifolia</i>	pine goldenbush	s	3	VL	su	3-6	3-6	
<i>Eriodictyon crassifolium</i>	thick-leaved yerba santa	s	2	VL	su	3-6	3+	
<i>Eriodictyon trichocalyx</i> var. <i>trichocalyx</i>	hairy yerba santa	s	2	VL	su	2-5	3+	Y
<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	California buckwheat	s/gc	4	VL/L	su/ps	3	2-6	
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	California buckwheat	s	3	VL/L	su/ps	3-5	2-6	Y
<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	California buckwheat	s	3	VL/L	su/ps	3-5	2-6	
<i>Eriophyllum confertiflorum</i>	golden yarrow	p	1	VL/L	su/ps	2	1-3	
<i>Eschscholzia californica</i>	California poppy	a/p-d	1	VL/L	su/ps	1	1-2	
<i>Euthamia occidentalis</i>	western goldenrod	p/gc	1	M/H	su/ps	2-4	2+	Y
<i>Fraxinus velutina</i> var. <i>coriacea</i>	velvet ash	t-d	6	M/H	su/ps	20-30	20-30	
<i>Fremontodendron californicum</i>	flannel bush	s/t	6	VL	su	6-20	15	
<i>Galium angustifolium</i>	narrow-leaf bedstraw	p	1	VL/L	su/ps	1-2	1-2	
<i>Gutierrezia californica</i>	California matchweed	s	2	VL	su	1-3	1-3	
<i>Gutierrezia sarothrae</i>	broom snakeweed	s	2	VL	su	1-3	1-3	
<i>Heteromeles arbutifolia</i>	toyon	s/t	6	L	su/ps	8-15	15	Y
<i>Hordeum brachyantherum</i> ssp. <i>californicum</i>	California barley	g/p/gc	1	VL	su/ps	1-2	1	
<i>Isocoma menziesii</i> ssp. <i>vernonioides</i> (<i>Haplopappus venetus</i> ssp. <i>vernonioides</i>)	goldenbush	s	2	VL	su/ps	1-3	3	
<i>Isomeris arborea</i> (<i>Cleome isomeris</i>)	bladderpod	s	4	VL	su/ps	3-5	5	Y
<i>Juglans californica</i> var. <i>californica</i>	California walnut	t-d	6	VL	su/ps	15-25	20	Y
<i>Juncus patens</i>	rush	p/gc	2	L/M	su/ps	2.5	3+	Y
<i>Juncus torreyi</i>	rush	p	1-2	M	su/ps	2-3	3+	
<i>Juniperus californica</i>	California juniper	s/t	6	VL	su	10-15	15-20	
<i>Keckiella cordifolia</i>	heart-leaved penstemon	p/v-d	3	L/M	all	4	6	

Immediate coast	Mid region acc. to water	Mid region, no water	Mid region, shade	Upper Watershed	AFSS	CH	CLORF	CLOW	CSS	CWRF	SRW	VOW	WW
					Oc.	Oc.			Oc.				
					Oc.	Oc.			Oc.				
					Oc.				Oc.				
							Fr.	Fr.					Oc.
					Oc.				Oc.				
					Oc.	Oc.			Oc.				
					Oc.	Oc.	Fr. to Oc.	Fr. to Oc.	Oc.		Fr. to Oc.		Fr. to Oc.
X	X	X		X	Oc.				Subdom.				
X	X	X		X		Oc.		Fr.	Oc.				
X	X	X		X		Oc.			Fr.				
					Fr.								
					Fr. to Oc.				Oc.				
					Oc.				Oc.				
		X		X	Fr.								
					Subdom.			Oc.	Dom.				
X	X	X		X	Oc.	Oc.	Oc.	Oc.	Oc.				
					Subdom.	Oc.							
					Fr. to Oc.	Fr.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.
					Oc.			Oc.	Fr.	Oc.	Oc.	Oc.	Oc.
	X	X		X	Fr. to Oc.				Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.
							Fr. to Oc.			Oc.	Fr. to Oc.	Oc.	
					Fr.								
					Fr. to Oc.								
					Fr. to Oc.								
X	X	X		X		Subdom.	Oc.	Oc.	Oc.		Oc.		Subdom.
							Fr. to Oc.	Fr. to Oc.			Fr. to Oc.	Fr.	
						Oc.	Oc.	Oc.	Fr. to Oc.		Oc.		
X	X	X		X				Oc.	Fr. to Oc.				
						Oc.	Oc.	Oc.			Fr.		Dom.
X	X	X		X			Oc.			Fr. to Oc.	Oc.		
							Oc.			Fr. to Oc.	Oc.		
					Fr. to Oc.								
						Oc.	Oc.	Oc.	Oc.		Oc.		

Compiled list of all Los Angeles River plants and communities (cont.)

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Av. Height	Av. Spread	Short List
<i>Koeleria macrantha (cristata)</i>	Junegrass	g/p/gc	1	L	su/ps	1-2	1	
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	showy Pacific sweet pea	v/p	2	L	su/ps	climbs		
<i>Lathyrus vestitus</i> var. <i>vestitus</i> (<i>L. laetiflorus</i> ssp. <i>laetiflorus</i>)	Pacific sweet pea	v/p	2	L	su/ps	climbs		
<i>Lepidospartum squamatum</i>	scale broom	s	4	VL	su	4	6	
<i>Leptodactylon californicum</i>	prickly phlox	p	2	VL	su/ps	2	2	
<i>Lessingia filaginifolia</i> var. <i>filaginifolia</i>	California-aster	p/gc	2	VL	su	1-3	1-3	Y
<i>Leymus condensatus</i>	giant ryegrass	g/p/gc	2	VL	all	4-5	3+	Y
<i>Leymus triticoides</i>	creeping wild rye	g/p/gc	2	VL	all	2	2+	Y
<i>Lonicera subspicata</i> var. <i>denudata</i> (<i>L. subspicata</i> var. <i>johnstonii</i>)	chaparral honeysuckle	v/s	2	VL/L	su/ps	climbs		
<i>Lotus scoparius</i>	deerweed	p	2	VL	su	3	3	
<i>Lupinus latifolius</i> var. <i>parishii</i>	broad-leaf canyon lupine	p	2	L/M	su/ps	4	4	
<i>Lupinus longifolius</i>	blue bush lupine	p	2	L/M	su/ps	4	4	
<i>Malacothammus fasciculatus</i>	chaparral bush mallow	s	4	VL	su	6	6+	
<i>Malosma laurina</i>	laurel sumac	s	6	VL	su	10	20	Y
<i>Melica imperfecta</i>	coast range melic	g/p/gc	1	L/M	all	2	2	
<i>Mimulus (Diplacus) aurantiacus</i> (<i>M. (D.) longiflorus</i>)	bush monkeyflower	s	2	L	su/ps	2	2	Y
<i>Mimulus cardinalis</i>	scarlet monkeyflower	p	2	M/H	all	2	2	
<i>Mirabilis californica</i>	wishbone bush	p-d	2	VL	su	1	3	
<i>Muhlenbergia rigens</i>	deergrass	g/p/gc	3	L	su/ps	3	4	Y
<i>Nassella (Stipa) cernua</i>	nodding needlegrass	g/p/gc	1	VL/L	su/ps	2	2	
<i>Nassella (Stipa) lepida</i>	foothill needlegrass	g/p/gc	1	VL/L	su/ps	2	2	
<i>Nassella (Stipa) pulchra</i>	purple needlegrass	g/p/gc	1	VL/L	su/ps	2	2	
<i>Opuntia basilaris</i>	beaver tail	sc	2	VL	su	1-2	2	
<i>Opuntia littoralis</i>	coastal prickly pear	sc	3	VL	su	3	3+	
<i>Opuntia parryi</i>	cane or snake cholla	sc	4	VL	su	4	4	
<i>Pellea andromedifolia</i>	coffee fern	p	1	L	ps	1	2	
<i>Pellea mucronata</i>	bird's foot fern	p	1	L	ps	1	2	
<i>Penstemon centranthifolius</i>	scarlet bugler	p	2	VL	su	1	1-2	
<i>Penstemon heterophyllus</i> var. <i>australis</i>	foothill penstemon	p	1	VL	su/ps	1	2	
<i>Penstemon spectabilis</i>	showy penstemon	p	2	VL	su	3	3	
<i>Platanus racemosa</i>	California sycamore	t-d	6	M	su	40	40	Y
<i>Pluchea sericea</i>	arrow weed	s	3	L/M	su	6-8	6+	Y
<i>Poa secunda</i> ssp. <i>secunda</i> (<i>P. scabrella</i>)	one-sided bluegrass	g/p/gc	1	VL/L	su/ps	1	1	
<i>Polypodium californicum</i>	California polypody fern	p-d/gc	1	L	ps/sh	.5	1+	
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood	t-d	8	M/H	su	30	30+	
<i>Populus fremontii</i> ssp. <i>fremontii</i>	Fremont cottonwood	t-d	8	M/H	su	30	35	Y
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	hollyleaf cherry	s	4	VL/L	su/ps	6-12	6-12	Y
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak	t	8	VL/L	su	40	40	Y

Immediate coast	Mid region acc. to water	Mid region, no water	Mid region, shade	Upper Watershed	AFSS	CH	CLORF	CLOW	CSS	CWRF	SIRW	VOW	WW
					Oc.	Oc.		Oc.	Oc.				
					Oc.	Oc.	Oc.	Oc.	Oc.			Oc.	
					Dom.			Oc.	Oc.				
X	X	X		X	Fr. to Oc.	Fr. to Oc.	Oc.	Fr. to Oc.	Fr. to Oc.			Oc.	Fr. to Oc.
X	X	X	X	X		Oc.	Oc.	Oc.	Oc.	Oc.	Oc.	Oc.	Oc.
X	X	X	X	X			Oc.			Oc.	Oc.	Oc.	Oc.
						Oc.	Oc.						Oc.
					Fr. to Oc.	Fr.	Oc.	Oc.	Fr.		Oc.		
						Oc.		Oc.	Oc.		Oc.		
X	X	X	X	X	Oc.	Oc.	Fr.	Fr. to Oc.	Fr.		Fr.		Fr. to Oc.
					Oc.	Fr.		Fr.	Fr.				Fr.
X	X	X		X		Oc.	Oc.	Oc.	Fr.		Fr.		Fr.
					Fr. to Oc.				Fr. to Oc.	Oc.			
X	X			X		Oc.	Oc.	Oc.			Oc.	Fr.	
						Oc.		Fr. to Oc.				Fr.	
						Oc.		Fr. to Oc.	Fr. to Oc.				Oc.
						Oc.		Fr. to Oc.				Fr.	Oc.
					Oc.								
					Fr. to Oc.								
					Oc.				Fr.				
					Oc.	Oc.		Oc.					
X	X			X	Oc.	Oc.		Oc.	Oc.				
X	X			X	Oc.		Subdom.			Subdom.	Dom.	Subdom.	
								Fr. to Oc.	Oc.	Oc.	Oc.		Fr. to Oc.
					Oc.				Oc.				
*	*			*			Fr. to Oc.			Oc.	Fr. to Oc.		
		X	X	X	Oc.	Subdom.	Fr.	Fr.	Oc.	Dom.	Oc.		Fr.
X	X	X		X	Oc.		Dom.	Dom.		Oc.	Oc.	Oc.	Subdom.

Compiled list of all Los Angeles River plants and communities (cont.)

Botanical Name	Common Name	Plant Form	Setback	Water Usage	Sun Exposure	Av. Height	Av. Spread	Short List
<i>Quercus berberidifolia</i> (<i>Q. dumosa</i>)	scrub oak	s/t	6	VL/L	su	8	8	
<i>Quercus engelmannii</i>	Engelmann or mesa oak	t	8	VL/L	su	30	30	Y
<i>Quercus lobata</i>	valley oak	t-d	8	M	su	35	35	Y
<i>Rhamnus californica</i> ssp. <i>californica</i>	California coffeeberry	s	6	L	all	8	12	Y
<i>Rhamnus crocea</i>	spiny redberry	s	4	VL/L	all	4	4	Y
<i>Rhamnus ilicifolia</i> (<i>R. crocea</i> ssp. <i>ilicifolia</i>)	hollyleaf redberry or buckthorn	s	5	VL/L	all	6	6	Y
<i>Rhus integrifolia</i>	lemonadeberry	s	6	VL/L	su/ps	8-10	15	Y
<i>Rhus ovata</i>	sugar bush	s	6	VL/L	su/ps	8-10	15	Y
<i>Rhus trilobata</i>	basket bush	s-d	4	L/M	su/ps	3-5	4-8	
<i>Ribes aureum</i> var. <i>gracillimum</i>	golden currant	s-d	3	VL/L	su/ps	6-8	6-8	Y
<i>Ribes californicum</i> var. <i>hesperium</i>	hillside gooseberry	s-d	4	VL/L	ps	5	5-8	Y
<i>Ribes malvaceum</i> var. <i>viridifolium</i>	chaparral currant	s-d	3	L	ps	5-8	5	
<i>Ribes speciosum</i>	fuchsia-flowered gooseberry	s-d	4	L	ps/sh	5-8	6-8	Y
<i>Rosa californica</i>	California wild rose	s	3	L	all	4-6	4+	Y
<i>Rubus ursinus</i>	California blackberry	s/v	6	M	ps/sh	4	8	
<i>Salix exigua</i>	sand bar willow	s-d	3	M/H	su	6-10	6+	
<i>Salix gooddingii</i>	black willow	t-d	6	M/H	su	25	25	
<i>Salix laevigata</i>	red willow	t-d	6	M/H	su/ps	15-20	15-20	
<i>Salix lasiolepis</i>	arroyo willow	s/t-d	5	M/H	su/ps	15	15	Y
<i>Salix lucida</i> ssp. <i>lasiandra</i>	shining willow	s/t-d	5	M/H	su/ps	15	15	
<i>Salvia apiana</i>	white sage	s	3	VL	su	3	3-5	Y
<i>Salvia leucophylla</i>	purple sage	s	5	VL	su	5	6-8	Y
<i>Salvia mellifera</i>	black sage	s	4	VL	su	4	6	Y
<i>Salvia spathacea</i>	pitcher sage	p/gc	2	L	ps/sh	1	3+	Y
<i>Sambucus mexicana</i>	Mexican elderberry	t-d	6	VL/L	su	15	20	Y
<i>Sarcostemma cyanchooides</i> ssp. <i>hartwegii</i>	twining milkweed	v/s-d	2	VL/L	su/ps	climbs		
<i>Sisyrinchium bellum</i>	blue-eyed grass	p-d	1	VL/L	su/ps	1	1	
<i>Solanum xanti</i>	purple or chaparral nightshade	p-d	2	VL/L	su/ps	2	3	
<i>Solidago californica</i>	California goldenrod	p/gc	1	L/M	su/ps	1	2+	Y
<i>Solidago confinis</i>	southern goldenrod	p/gc	1	M	su/ps	1	2+	Y
<i>Stachys bullata</i>	pink hedgenettle	p/gc	2	L/M	ps/sh	1-2	2+	Y
<i>Symphoricarpos mollis</i>	creeping snowberry	s-d/gc	2	M	ps/sh	2	2+	Y
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	meadow rue	p	2	L/M	ps/sh	2	2	
<i>Trichostema lanatum</i>	woolly blue curls	s	3	VL/L	su	2-4	4	
<i>Umbellularia californica</i>	California bay laurel	t	6	M	su/ps	30	30	Y
<i>Venegasia carpesioides</i>	canyon sunflower	p	3	L/M	all	4	4	
<i>Vitis girdiana</i>	desert grape	v/s-d	2	M	all	climbs		Y
<i>Yucca whipplei</i>	Our Lord's candle or chaparral yucca	sc	5	VL	su	3	5	Y

Immediate coast	Mild region acc. to water	Mild region, no water	Mild region, shade	Upper Watershed	AFSS	CH	CLORF	CLOW	CSS	CWRF	SRW	VOW	WW
					Oc.	Subdom.			Oc.				
	X	X						Oc.					
	X	X										Dom.	
X	X	X	X	X		Fr.	Fr.	Fr. to Oc.			Fr. to Oc.	Fr. to Oc.	
		X	X	X	Oc.	Fr.			Fr. to Oc.				
		X	X	X		Fr.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.		Fr. to Oc.		
X		X		X	Oc.	Fr.	Oc.	Oc.	Fr. to Oc.		Oc.		
X		X		X	Oc.	Fr.		Fr. to Oc.					Fr. to Oc.
	X	X	X	X			Fr. to Oc.	Fr. to Oc.			Fr. to Oc.		Fr. to Oc.
	X	X	X	X		Oc.	Oc.	Oc.			Oc.		
						Oc.		Oc.					
	X	X	X	X		Oc.	Oc.	Oc.			Oc.		
X	X	X	X	X			Fr. to Oc.	Fr. to Oc.		Fr. to Oc.	Fr. to Oc.		
										Fr. to Oc.	Fr. to Oc.		
										Subdom.			
										Fr.			
										Fr. to Oc.			
*	*			*						Fr. to Oc.			
										Dom.			
	X	X		X	Fr.	Oc.	Oc.	Oc.	Oc.		Fr. to Oc.		
X	X	X		X				Oc.	Fr. to Oc.				Oc.
X	X	X		X	Oc.	Fr.		Oc.	Fr.				
X	X	X	X	X		Oc.	Oc.	Oc.			Oc.		
X	X	X		X	Oc.		Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Subdom.	Subdom.		Fr. to Oc.
					Oc.				Oc.				
								Fr.	Fr. to Oc.			Fr.	Fr.
					Oc.	Fr.		Fr.					
	X	X		X	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.
	X	X		X	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.	Fr. to Oc.
X	X	X		X			Fr. to Oc.				Fr. to Oc.		
	X	X	X	X		Oc.	Fr. to Oc.	Fr. to Oc.		Fr. to Oc.	Fr. to Oc.		Fr. to Oc.
						Oc.	Oc.	Oc.		Oc.	Oc.		Oc.
						Oc.			Oc.		Oc.		
X	X		X	X			Fr. to Oc.	Fr. to Oc.		Fr. to Oc.	Fr. to Oc.		
							Oc.			Oc.			
	*	X		*			Oc.			Oc.	Oc.	Oc.	
		X		X	Fr.	Fr.		Oc.	Fr. to Oc.				

8.0 Design Guidelines

Design Guideline 1 - Design Following Soil Characterization

Plant selection will depend on the condition of the soil. As stated earlier, soil conditions around the entrenched river channels are anticipated to be predominately disturbed and compacted native soils. Imported soils and rubble are typical components of the levee structure. Heavy soil contamination is a probable condition in areas along both entrenched and leveed conditions. Therefore, soils should be tested to determine its ability to retain and infiltrate water, soil fertility (macro & micro nutrients)(see "Note," p.42), biologic activity, texture, toxics, salts, and heavy metals.

Design Guideline 2 - Design with Native Plants: The Plant Lists

Landscape plantings along the Los Angeles River and Tujunga Wash corridors should comprise indigenous native species based upon the Short List of Los Angeles River Plants (pages 28-29) (Fig 8.1-8.9 and 8.16-8.18) or the Plant Community Lists provided in Appendix B. All planting projects are to include the services of qualified planting experts who have proven experience with California native planting projects to assist in making decisions regarding the plant palette. These experts should include a restoration ecologist (or biologist) together with a registered landscape architect.

A total of nine California native vegetation communities are included in these guidelines to provide suitable planting choices for a variety of project situations. However, the Short List (pages 28-29) of indigenous Los Angeles River watershed plants can be used throughout all reaches of the river to provide overall landscape continuity. This List is much shorter than the Plant Community Lists to assure a strong visual image for the river, and is based upon the following criteria:

1. Plants are native and appropriate to the Los Angeles River system.

2. Plants are growable in nursery conditions.
3. Plants have a high probability for success when planted within the designated area(s).
4. Propagules of the plants are available within the Los Angeles River system.
5. Plants have aesthetic appeal.
6. Plants will provide potential wildlife habitat.
7. Plants require minimal maintenance and water following establishment.

Tree and shrub species from this List can be used in almost all project situations. Plant species from the nine communities listed in Appendix B can be combined with the Short List in project areas where situations and conditions along the river merit their use. The combination of plant communities and total listing of plant species is to be evaluated during the conceptual design process and depends on the soil analysis results.

Most vegetation communities included in Appendix B include a few accent plants. These are locally indigenous species that occur occasionally in their respective vegetation types and provide additional visual characteristics. Since the Community Lists are not exhaustive due to the elimination of some plant groups, other native species not included in Appendix B may be recommended by the project plant or restoration ecologist for review and approval by the County. The only limitation is again that the recommended species should be indigenous to the Los Angeles River watershed.

Additionally, a list of native vines and a comprehensive list of Los Angeles River plants has been added to Appendix B. The list of native vines (page 135) is included to expand the choices of plants that can be used for specialty planting situations to cover walls, fences, steep slopes, and banks.

The Compiled List of all Los Angeles River plants (page 136-143) are listed in order by scientific name. This comprehensive list also includes the recommended geographic locations within the watershed as well as the frequency of occurrence within the various plant communities.

Key to the Short List Table

The Short List is divided into four broad categories: Names, Plant Characteristics, Recommended Conditions, and Plant Communities. Explanations of symbols, abbreviations, and terms used in the Short List table are provided below.

Names:

Botanical Name - Indicates the currently accepted scientific name for the plant. Previous widely known plant names appear in parenthesis for clarity. Plant list nomenclature primarily follows *The Jepson Manual* (Hickman 1993).

Common Name - Indicates one or more vernacular names for the plant. Unfortunately, there is no standardized listing of common names and a single common name can refer to any number of different plants.

Plant Form:

Some plants listed have more than one plant form or category designation. In such cases, their "form" will depend on its use in the landscape.

t	tree
d	deciduous
s	shrub
sc	succulent
g	grass
gc	groundcover
p	perennial
a	annual
v	vine

Minimum Setback from Pavement:

Recommended distance (in feet) each species should be planted away from pavement and walls.

Estimated Water Needs:

Approximate water needs of each native plant species is estimated in relation to the water needs for tall fescue turfgrass. Supplemental watering should be

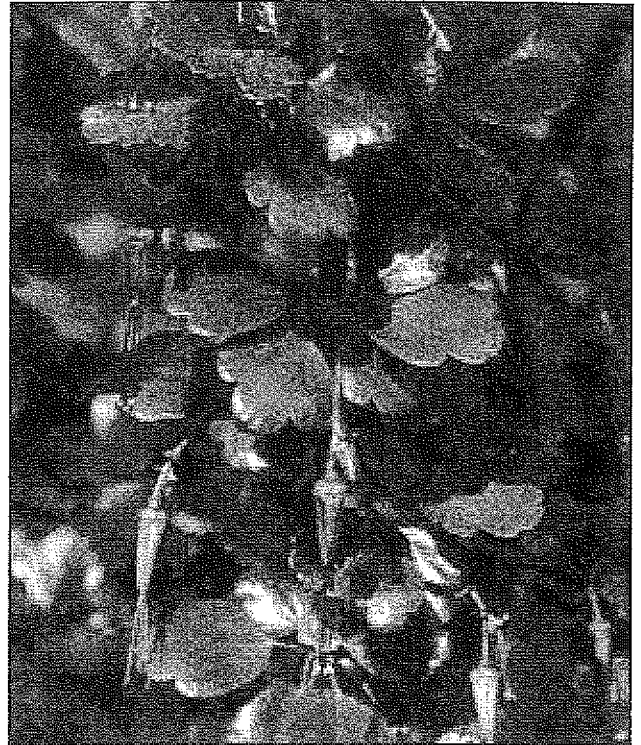


Figure 8.1 Fuchsia-flowered gooseberry (*Ribes speciosum*) (Photo by Barbara Eisenstein)

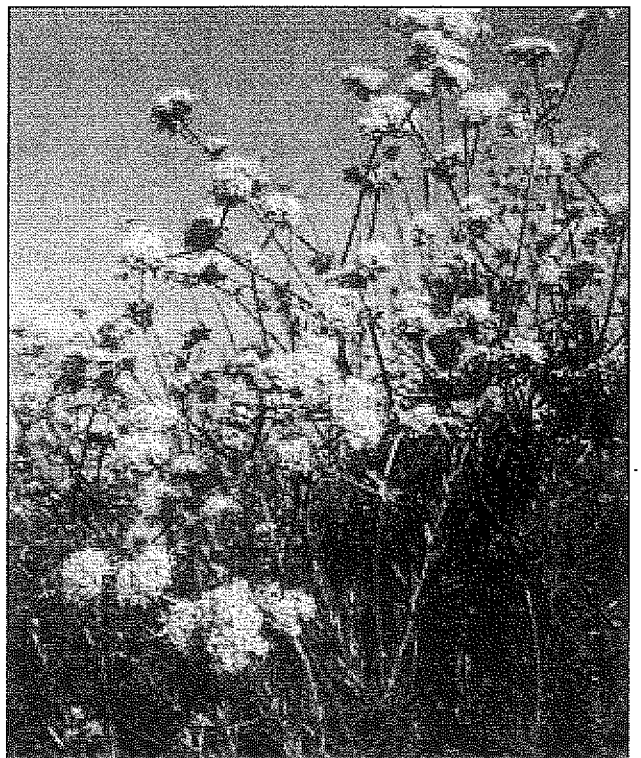


Figure 8.2 California buckwheat (*Eriogonum fasciculatum* var. *foliolosum*) (Photo by Barbara Eisenstein)

applied between late November and early March to complement the seasonal rain cycle to avoid winter dry spells and to assist in establishing new plantings. Summer watering is to be avoided in established landscapes where possible; deep watering on a monthly schedule may be applied if determined to be appropriate by the project plant or restoration ecologist.

VL	Performs with no supplemental water
L	Low Supplemental Water, approx. 3-5"
M	Moderate Supplemental Water, approx. 5-10"
H	High Supplemental Water, approx. 10-16"

Sun Exposure:

Ideally, understory species adapted to partial or full shade would be planted after conditions become suitable. But since most landscape projects are installed all at one time, strategic methods are required to ensure that shade-adapted species survive the initial establishment period. Possibilities include positioning shade-requiring species on the north side of boulders or installing temporary shade structures. Such structures should be checked regularly to ensure their ongoing function due to potential vandalism.

su	full sun
ps	part shade
sh	full shade

Height:

Average height in feet (at maturity) or what height can be expected.

Spread:

Average spread in feet; + : indeterminate growth or rhizomatous (spreading) plants.

Recommended Conditions:

A recommended listing of plants for geographic



Figure 8.3 Morning glory (*Calystegia macrostegia*) (Photo by Barbara Eisenstein)

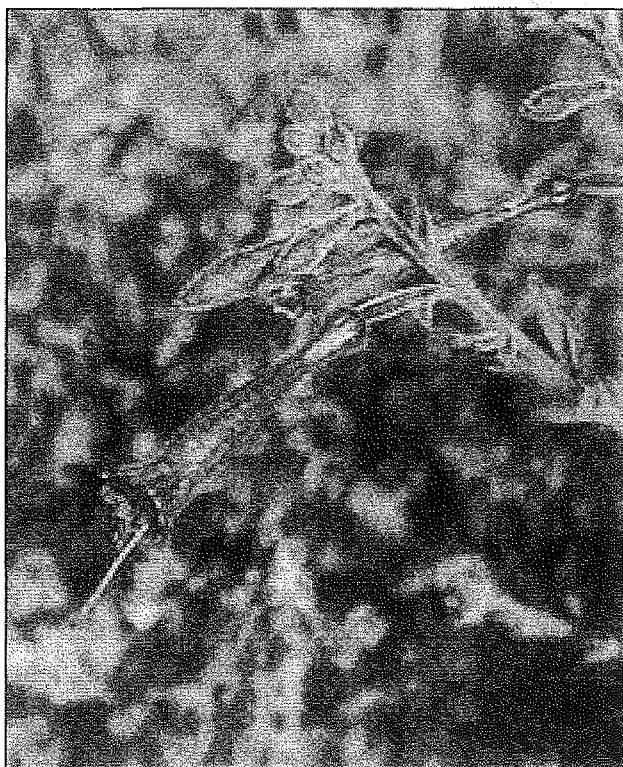


Figure 8.4 California fuchsia (*Epilobium canum*) (Photo by Barbara Eisenstein)

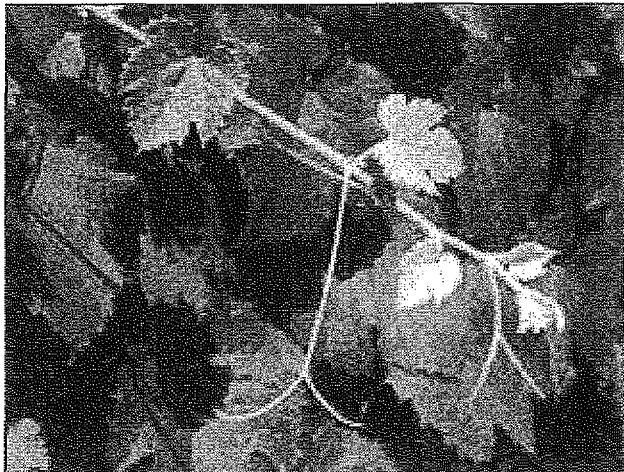


Figure 8.5 Desert grape (*Vitis girdiana*) (Photo by Barbara Eisenstein)

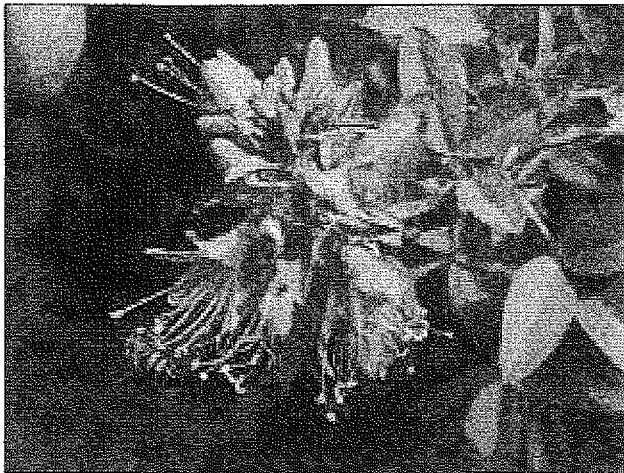


Figure 8.6 Bladderpod (*Isomeris arborea*) (Photo by Barbara Eisenstein)

locations within the Los Angeles River system, water requirements for established plants, and shaded conditions.

* indicates that the plant must always have access to water. Water must be supplied on a continuous basis by irrigation, or the plant's roots must have direct, reliable contact with ground water.

Upper Watershed - Indicates that the plant is suitable for growing in the foothill and mountain portions of the Los Angeles River watershed.

Immediate Coast - Indicates that the plant is suitable for growing in coastal conditions along the lower most portions of the Los Angeles River watershed.

Mid region, acc. to water - Indicates that the plant is suitable for growing in the central urbanized portions of the Los Angeles River watershed as long as the plants have access to supplemental water. For most of this area, supplemental water will need to be provided by irrigation systems. In rare conditions, the plants may have direct root access to the flowing river water or ground water.

Mid region, no water - Indicates that the plant is suitable for growing in the central urbanized portions of the Los Angeles River watershed without supplemental water - AFTER THE PLANTS ARE ESTABLISHED.

Mid region, shade - Indicates that the plant is suitable for growing in central urbanized portions of the Los Angeles River watershed that are significantly shaded. Most of these plants will require supplemental watering, though this will vary depending upon specific site conditions.

Communities:

For additional information of plant communities, see Appendix B, pages 106 to 108.

AFSS	Alluvial fan sage scrub
CH	Chaparral
CLORF	Southern coast live oak riparian forest
CLOW	Coast live oak woodland
CSS	Coastal sage scrub
CWRFR	Southern cottonwood-willow riparian forest
SRW	Southern sycamore riparian woodland
VOW	Valley oak woodland
WW	California walnut woodland

Short List of Plants for the Los Angeles River System

Botanical Name	Common Name	Plant Form	Setback		Water Usage		Sun Exposure		Av. Height		Av. Spread		Immediate coast			Mid region, acc. to water			Communities	
			ft	in	su	ps	su	ps	su	ps	ft	in	ft	in	ft	in	ft	in		ft
Trees																				
<i>Alnus rhombifolia</i>	white alder	t-d	6	M/H	all	20-30	20-30	*	*			*							SRW	
<i>Juglans californica</i> var. <i>californica</i>	California walnut	t-d	6	VL	su/ps	15-25	20			X	X		X					CH, CLORF, CLOW, SRW, WW		
<i>Platanus racemosa</i>	California sycamore	t-d	6	M	su	40	40	X	X				X					AFSS, CLORF, CWRF, SRW, VOW		
<i>Populus fremontii</i> ssp. <i>fremontii</i>	Fremont cottonwood	t-d	8	M/H	su	30	35	*	*				*					CLORF, CWRF, SRW		
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak	t	8	VL/L	su	40	40	X	X	X			X					AFSS, CLORF, CLOW, SRW, VOW, WW		
<i>Quercus engelmannii</i>	Engelmann or mesa oak	t	8	VL/L	su	30	30			X	X							CLOW		
<i>Quercus lobata</i>	valley oak	t-d	8	M	su	35	35			X	X							VOW		
<i>Sambucus mexicana</i>	Mexican elderberry	t-d	6	VL/L	su	15	20	X	X	X			X					AFSS, CLORF, CLOW, CSS, CWRF, SRW, WW		
<i>Umbellularia californica</i>	California bay laurel	t	6	M	su/ps	30	30	X	X				X	X				CLORF, CLOW, CWRF, SRW		
Shrubs and Perennials																				
<i>Artemisia californica</i>	California sagebrush	s	3	VL	su/ps	3	2-3	X	X	X			X					AFSS, CH, CLORF, CLOW, CSS, SRW		
<i>Artemisia douglasiana</i>	mugwort	p	3	L/M	all	3-5	3+	X	X				X					CLORF, CWRF, SRW		
<i>Atriplex lentiformis</i> ssp. <i>lentiformis</i> (<i>A. lentiformis</i> ssp. <i>breweri</i>)	saltbush	s	5	VL	su	6-8	5-10	X	X	X								CSS		
<i>Baccharis pilularis</i> var. <i>consanguinea</i>	coyote brush	s	4	L/M	su/ps	4-6	6-8	X	X	X								CLORF, CLOW, CSS, SRW		
<i>Baccharis salicifolia</i>	mulefat	s	3	M	all	4-8	6-10	X	X				*					CLORF, CWRF, SRW		
<i>Berberis (Mahonia) nevadensis</i>	Nevadensis barberry	s	5	VL/L	su	6-12	6-12			X	X		X					CH, CSS		
<i>Cercocarpus betuloides</i> var. <i>betuloides</i>	mountain mahogany	s/t	6	L	su	6-20	12	X	X	X			X					AFSS, CH		
<i>Encelia californica</i>	California encelia	s	3	L	su/ps	3-4	3-6	X	X	X			X					AFSS, CSS		
<i>Epilobium canum</i> ssp. <i>latifolium</i> (<i>Zauschneria californica</i>)	California fuchsia	p	2	VL/L	su/ps	1-3	2-4	X	X	X			X					CH, CLOW, CSS		
<i>Epilobium canum</i> ssp. <i>canum</i> (<i>Zauschneria californica</i>)	hoary California fuchsia	p	2	VL/L	su/ps	1-3	2-4	X	X	X			X					CH, CSS		
<i>Eriodictyon trichocalyx</i> var. <i>trichocalyx</i>	hairy yerba santa	s	2	VL	su	2-5	3+						X					AFSS		
<i>Eriogonum fasciculatum</i> var. <i>foliosum</i>	California buckwheat	s	3	VL/L	su/ps	3-5	2-6	X	X	X			X					AFSS, CH, CLORF, CLOW, CSS		
<i>Euthamia occidentalis</i>	western goldenrod	p/gc	1	M/H	su/ps	2-4	2+			X	X		X					AFSS, CSS, CWRF, SRW, VOW, WW		
<i>Heteromeles arbutifolia</i>	toyon	s/t	6	L	su/ps	8-15	15	X	X	X	X		X					CH, CLORF, CLOW, CSS, SRW, WW		
<i>Isomeris arborea</i> (<i>Cleome isomeris</i>)	bladderpod	s	4	VL	su/ps	3-5	5	X	X	X			X					CLOW, CSS		
<i>Juncus patens</i>	rush	p/gc	2	L/M	su/ps	2.5	3+	X	X	X			X					CLORF, CWRF, SRW		
<i>Malosma laurina</i>	laurel sumac	s	6	VL	su	10	20	X	X	X	X		X					AFSS, CH, CLORF, CLOW, CSS, SRW		
<i>Mimulus (Diplacus) aurantiacus</i> (<i>M. (D.) longiflorus</i>)	bush monkeyflower	s	2	L	su/ps	2	2	X	X	X			X					CH, CLORF, CLOW, CSS, SRW, WW		
<i>Muhlenbergia rigens</i>	deergrass	g/p/gc	3	L	su/ps	3	4	X	X				X					CH, CLORF, CLOW, SRW, VOW		
<i>Pluchea sericea</i>	arrow weed	s	3	L/M	su	6-8	6+	X	X				X					AFSS, CSS, CWRF, SRW		

Botanical Name	Common Name	Plant Form	Soilback	Water Usage	Sun Exposure	Av. Height	Av. Spread	Immediate coast				Communities
								Mid region, w/c. to water	Mid region, no water	Upper Watershed		
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	hollyleaf cherry	s	4	VL/L	su/ps	6-12	6-12		X	X	X	AFSS, CH, CLORF, CLOW, CSS, SRW, WW
<i>Rhamnus californica</i> ssp. <i>californica</i>	California coffeeberry	s	6	L	all	8	12	X	X	X	X	CH, CLORF, CLOW, SRW, VOW
<i>Rhamnus crocea</i>	spiny redberry	s	4	VL/L	all	4	4		X	X	X	AFSS, CH, CSS
<i>Rhamnus ilicifolia</i> (<i>R. crocea</i> ssp. <i>ilicifolia</i>)	hollyleaf redberry or buckthorn	s	5	VI/L	all	6	6		X	X	X	CH, CLORF, CLOW, CSS, SRW
<i>Rhus integrifolia</i>	lemonadeberry	s	6	VL/L	su/ps	8-10	15	X	X		X	AFSS, CH, CLORF, CLOW, CSS, SRW
<i>Rhus ovata</i>	sugar bush	s	6	VL/L	su/ps	8-10	15	X	X		X	AFSS, CH, CLOW, WW
<i>Ribes aureum</i> var. <i>gracillimum</i>	golden currant	s-d	3	VL/L	su/ps	6-8	6-8		X	X	X	CLORF, CLOW, SRW, WW
<i>Ribes californicum</i> var. <i>hesperium</i>	hillside gooseberry	s-d	4	VL/L	ps	5	5-8		X	X	X	CH, CLORF, CLOW, SRW
<i>Ribes speciosum</i>	fuchsia-flowered gooseberry	s-d	4	L	ps/sh	5-8	6-8		X	X	X	CH, CLORF, CLOW, SRW
<i>Rosa californica</i>	California wild rose	s	3	L	all	4-6	4+	X	X	X	X	CLORF, CLOW, CWRF, SRW
<i>Salix lasiolepis</i>	arroyo willow	s/t-d	5	M/H	su/ps	15	15	*	*		*	CWRF
<i>Salvia apiana</i>	white sage	s	3	VL	su	3	3-5		X	X	X	AFSS, CH, CLORF, CLOW, CSS, SRW
<i>Salvia leucophylla</i>	purple sage	s	5	VL	su	5	6-8	X	X	X	X	CLOW, CSS, WW
<i>Salvia mellifera</i>	black sage	s	4	VL	su	4	6	X	X	X	X	AFSS, CH, CLOW, CSS
<i>Yucca whipplei</i>	Our Lord's candle or chaparral yucca	sc	5	VL	su	3	5		X		X	AFSS, CH, CLOW, CSS
Groundcovers												
<i>Baccharis pilularis</i> var. <i>pilularis</i>	prostrate coyote brush	s/gc	3	L/M	su/ps	1-3	6-8	X	X	X		CLORF, CLOW, CSS, SRW
<i>Carex praegracilis</i>	slender sedge	p/gc	1	M/H	su/ps	5-1	2+	X	X		X	CLORF, CLOW, CSS, CWRF, SRW, VOW, WW
<i>Lessingia filaginifolia</i> var. <i>filaginifolia</i>	California-aster	p/gc	2	VL	su	1-3	1-3	X	X	X	X	AFSS, CH, CLORF, CLOW, CSS, VOW, WW
<i>Leymus condensatus</i>	giant ryegrass	g/p/gc	2	VL	all	4-5	3+	X	X	X	X	CH, CLORF, CLOW, CSS, CWRF, SRW, VOW, WW
<i>Leymus triticoides</i>	creeping wild rye	g/p/gc	2	VL	all	2	2+	X	X	X	X	CLORF, CWRF, SRW, VOW, WW
<i>Salvia spathacea</i>	pitcher sage	p/gc	2	L	ps/sh	1	3+	X	X	X	X	CH, CLORF, CLOW, SRW
<i>Solidago californica</i>	California goldenrod	p/gc	1	L/M	su/ps	1	2+		X	X	X	AFSS, CH, CLORF, CLOW, CSS, CWRF, SRW, VOW, WW
<i>Solidago confinis</i>	southern goldenrod	p/gc	1	M	su/ps	1	2+		X	X	X	AFSS, CH, CLORF, CLOW, CSS, CWRF, SRW, VOW, WW
<i>Stachys bullata</i>	pink hedgenettle	p/gc	2	L/M	ps/sh	1-2	2+	X	X	X	X	CLORF, SRW
<i>Symphoricarpos mollis</i>	creeping snowberry	s-d/gc	2	M	ps/sh	2	2+		X	X	X	CH, CLORF, CLOW, CWRF, SRW, WW
Vines												
<i>Calystegia macrostegia</i> ssp. <i>arida</i>	finger-leaf morning glory	v/p	1	VL/M	su/ps	climbs			X	X	X	AFSS, WW
<i>Calystegia macrostegia</i> ssp. <i>intermedia</i>	wild morning glory	v/p	1	VL/M	su/ps	climbs		X	X			CSS, WW
<i>Clematis lasiantha</i>	pipestems	v-d	2	L/M	su/ps	climbs			X	X	X	CH, CLORF, CLOW
<i>Clematis ligusticifolia</i>	virgin's bower	v-d	2	L/M	su/ps	climbs			X		X	AFSS, CH, CLORF, CLOW, CSS, CWRF, SRW, VOW, WW
<i>Vitis girdiana</i>	desert grape	v/s-d	2	M	all	climbs			*		*	CLORF, CWRF, SRW, VOW

Scientific Name	Common Name
<i>Acacia dealbata</i>	Silver wattle
<i>Acacia melanoxylon</i>	Black acacia, blackwood acacia
<i>Acroptilon repens</i>	Russian knapweed
<i>Aegilops triuncialis</i>	Barb goatgrass
<i>Ageratina adenophora</i>	Croftonweed, eupatorium
<i>Agrostis avenacea</i>	Pacific bentgrass
<i>Agrostis stolonifera</i>	Creeping bentgrass
<i>Ailanthus altissima</i>	Tree-of-heaven
<i>Alhagi maurorum</i>	Camelthorn
<i>Alternanthera philoxeroides</i>	Alligator weed
<i>Ammophila arenaria</i>	European beachgrass
<i>Anthoxanthum odoratum</i>	Sweet vernalgrass
<i>Arctotheca calendula</i> (fertile)	Fertile capeweed
<i>Arctotheca calendula</i> (sterile)	Sterile capeweed (synonym of <i>Arctotheca prostrata</i>)
<i>Arundo donax</i>	Giant reed
<i>Asparagus asparagoides</i>	Bridal creeper
<i>Asphodelus fistulosus</i>	Onionweed
<i>Atriplex semibaccata</i>	Australian saltbush
<i>Avena barbata</i>	Slender wild oat
<i>Avena fatua</i>	Wild oat
<i>Bassia hyssopifolia</i>	Fivehook bassia
<i>Bellardia trixago</i>	Bellardia
<i>Brachypodium distachyon</i>	Annual false-brome, false brome, purple false broom, stiff brome
<i>Brachypodium sylvaticum</i>	Perennial false-brome
<i>Brassica nigra</i>	Black mustard
<i>Brassica rapa</i>	Birdrape mustard, field mustard
<i>Brassica tournefortii</i>	Saharan mustard, African mustard
<i>Briza maxima</i>	Big quackinggrass, rattlesnakegrass
<i>Bromus diandrus</i>	Ripgut brome
<i>Bromus hordeaceus</i>	Soft brome
<i>Bromus japonicus</i>	Japanese brome, Japanese chess
<i>Bromus madritensis</i> ssp. <i>rubens</i>	Red brome
<i>Bromus tectorum</i>	Downy brome, cheatgrass
<i>Cakile maritima</i>	European sea-rocket
<i>Cardaria chalepensis</i>	Lens-podded white-top
<i>Cardaria draba</i>	Hoary cress
<i>Cardaria pubescens</i>	Hairy whitetop
<i>Carduus acanthoides</i>	Plumeless thistle
<i>Carduus nutans</i>	Musk thistle
<i>Carduus pycnocephalus</i>	Italian thistle
<i>Carduus tenuiflorus</i>	Slenderflower thistle
<i>Carpobrotus chilensis</i>	Sea-fig, iceplant

California Invasive Plant Inventory

Source: California Invasive Plant Council

<http://www.cal-ipc.org/ip/inventory/pdf/inventory2006.pdf>

Scientific Name	Common Name
<i>Carpobrotus edulis</i>	Hottentot-fig, iceplant
<i>Carthamus lanatus</i>	Woolly distaff thistle
<i>Centaurea calcitrapa</i>	Purple starthistle
<i>Centaurea debeauxii</i>	Meadow knapweed
<i>Centaurea diffusa</i>	Diffuse knapweed
<i>Centaurea maculosa</i>	Spotted knapweed
<i>Centaurea melitensis</i>	Malta starthistle, tocalote
<i>Centaurea solstitialis</i>	Yellow starthistle
<i>Centaurea virgata</i> ssp. <i>squarrosa</i>	Squarrose knapweed
<i>Chondrilla juncea</i>	Rush skeletonweed
<i>Chrysanthemum coronarium</i>	Crown daisy
<i>Cirsium arvense</i>	Canada thistle
<i>Cirsium vulgare</i>	Bull thistle
<i>Conicosia pugioniformis</i>	Narrowleaf iceplant
<i>Conium maculatum</i>	Poison-hemlock
<i>Cordyline australis</i>	Giant dracaena, New Zealand cabbage tree
<i>Cortaderia jubata</i>	Jubatagrass
<i>Cortaderia selloana</i>	Pampasgrass
<i>Cotoneaster franchetii</i>	Orange cotoneaster
<i>Cotoneaster lacteus</i>	Parney's cotoneaster
<i>Cotoneaster pannosus</i>	Silverleaf cotoneaster
<i>Cotula coronopifolia</i>	Brassbuttons
<i>Crataegus monogyna</i>	Hawthorn
<i>Crocosmia x crocosmiiflora</i>	Montbretia
<i>Crupina vulgaris</i>	Common crupina, bearded creeper
<i>Cupressus macrocarpa</i>	Monterey cypress
<i>Cynara cardunculus</i>	Artichoke thistle
<i>Cynodon dactylon</i>	Bermudagrass
<i>Cynoglossum officinale</i>	Houndstongue
<i>Cynosurus echinatus</i>	Hedgehog dogtailgrass
<i>Cytisus scoparius</i>	Scotch broom
<i>Cytisus striatus</i>	Portuguese broom
<i>Dactylis glomerata</i>	Orchardgrass
<i>Danthonia pilosa</i>	hairy wallaby grass
<i>Delairea odorata</i>	Cape-ivy, German-ivy
<i>Descurainia sophia</i>	Flixweed, tansy mustard
<i>Digitalis purpurea</i>	Foxglove
<i>Dipsacus fullonum</i>	Common teasel
<i>Dipsacus sativus</i>	Fuller's teasel
<i>Dittrichia graveolens</i>	Stinkwort
<i>Echium candicans</i>	Pride-of-Madeira
<i>Egeria densa</i>	Brazilian egeria

California Invasive Plant InventorySource: *California Invasive Plant Council*<http://www.ca-ipc.org/ip/inventory/pdf/inventory2006.pdf>

Scientific Name	Common Name
<i>Ehrharta calycina</i>	Purple veldtgrass
<i>Ehrharta erecta</i>	Erect veldtgrass
<i>Ehrharta longiflora</i>	Long-flowered veldtgrass
<i>Eichhornia crassipes</i>	Water hyacinth
<i>Elaeagnus angustifolia</i>	Russian-olive
<i>Emex spinosa</i>	Spiny emex, devil's-thorn
<i>Erechtites glomerata</i> , <i>E. minima</i>	Australian fireweed, Australian burnweed
<i>Erica lusitanica</i>	Spanish heath,
<i>Erodium cicutarium</i>	Redstem filaree
<i>Eucalyptus camaldulensis</i>	Red gum
<i>Eucalyptus globulus</i>	Tasmanian blue gum
<i>Euphorbia esula</i>	Leafy spurge
<i>Euphorbia oblongata</i>	Oblong spurge
<i>Euphorbia terracina</i>	Carnation spurge
<i>Festuca arundinacea</i>	Tall fescue
<i>Ficus carica</i>	Edible fig
<i>Foeniculum vulgare</i>	Fennel
<i>Gazania linearis</i>	gazania
<i>Genista monspessulana</i>	French broom
<i>Geranium dissectum</i>	Cutleaf geranium
<i>Glyceria declinata</i>	Waxy mannagrass
<i>Halogeton glomeratus</i>	Halogeton
<i>Hedera helix</i> , <i>H. canariensis</i>	English ivy, Algerian ivy
<i>Helichrysum petiolare</i>	Licoriceplant
<i>Hirschfeldia incana</i>	Shortpod mustard, summer mustard
<i>Holcus lanatus</i>	Common velvet grass
<i>Hordeum marinum</i> , <i>H. murinum</i>	Mediterranean barley, hare barley, wall barley
<i>Hydrilla verticillata</i>	Hydrilla
<i>Hypericum canariense</i>	Canary Island hypericum
<i>Hypericum perforatum</i>	Common St. John's wort, klamathweed
<i>Hypochaeris glabra</i>	Smooth catsear
<i>Hypochaeris radicata</i>	Rough catsear, hairy dandelion
<i>Ilex aquifolium</i>	English holly
<i>Iris pseudacorus</i>	Yellowflag iris
<i>Isatis tinctoria</i>	Dyer's woad
<i>Kochia scoparia</i>	Kochia
<i>Lepidium latifolium</i>	Perennial pepperweed, tall whitetop
<i>Leucanthemum vulgare</i>	Ox-eye daisy
<i>Limnobium laevigatum</i>	South American spongeplant,
<i>Limonium ramosissimum</i> ssp. <i>provinciale</i>	Algerian sea lavender
<i>Linaria genistifolia</i> ssp. <i>dalmatica</i>	Dalmation toadflax
<i>Linaria vulgaris</i>	Yellow toadflax, butter and eggs

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<i>Lobularia maritima</i>	Sweet alyssum
<i>Lolium multiflorum</i>	Italian ryegrass
<i>Ludwigia hexapetala</i>	Uruguay water-primrose
<i>Ludwigia peploides</i> ssp. <i>montevidensis</i>	Creeping water-primrose
<i>Lupinus arboreus</i>	Yellow bush lupine
<i>Lythrum hyssopifolium</i>	Hyssop loosestrife
<i>Lythrum salicaria</i>	Purple loosestrife
<i>Marrubium vulgare</i>	White horehound
<i>Medicago polymorpha</i>	California burclover
<i>Mentha pulegium</i>	Pennyroyal
<i>Mesembryanthemum crystallinum</i>	Crystalline iceplant
<i>Myoporum laetum</i>	Myoporum
<i>Myosotis latifolia</i>	Common forget-me-not
<i>Myriophyllum aquaticum</i>	Parrotfeather
<i>Myriophyllum spicatum</i>	Eurasian watermilfoil
<i>Nanozostera japonica</i>	dwarf eelgrass
<i>Nassella manicata</i>	tropical needlegrass,
<i>Nicotiana glauca</i>	Tree tobacco
<i>Olea europaea</i>	Olive
<i>Ononis alopecuroides</i>	Foxtail restharrow
<i>Onopordum acanthium</i>	Scotch thistle
<i>Oxalis pes-caprae</i>	Bermuda buttercup, buttercup oxalis, yellow oxalis
<i>Parentucellia viscosa</i>	Yellow glandweed, sticky parentucellia
<i>Pennisetum clandestinum</i>	Kikuyugrass
<i>Pennisetum setaceum</i>	Crimson fountaingrass
<i>Phalaris aquatica</i>	Hardinggrass
<i>Phoenix canariensis</i>	Canary Island date palm
<i>Phragmites australis</i>	Common reed
<i>Phytolacca americana</i>	Common pokeweed
<i>Picris echioides</i>	Bristly oxtongue
<i>Pinus radiata</i> cultivars	Monterey pine
<i>Piptatherum miliaceum</i>	Smilograss
<i>Plantago lanceolata</i>	Buckhorn plantain, English plantain
<i>Poa pratensis</i>	Kentucky bluegrass
<i>Polygonum cuspidatum</i>	Japanese knotweed
<i>Polygonum sachalinense</i>	Sakhalin knotweed
<i>Polypogon monspeliensis</i> and subspp.	Rabbitfoot polypogon, annual beardgrass
<i>Potamogeton crispus</i>	Curlyleaf pondweed
<i>Prunus cerasifera</i>	Cherry plum
<i>Pyracantha angustifolia</i> , <i>P. crenulata</i> , <i>P. coccinea</i>	<i>Pyracantha</i> , firethorn
<i>Ranunculus repens</i>	Creeping buttercup
<i>Raphanus sativus</i>	Radish

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<i>Retama monosperma</i>	Bridal broom
<i>Ricinus communis</i>	Castorbean
<i>Robinia pseudoacacia</i>	Black locust
<i>Rubus armeniacus</i>	Himalaya blackberry
<i>Rumex acetosella</i>	Red sorrel, sheep sorrel
<i>Rumex crispus</i>	Curly dock
<i>Saccharum ravennae</i>	Ravennagrass
<i>Salsola paulesenii</i>	Barbwire Russian-thistle
<i>Salsola soda</i>	Oppositeleaf Russian thistle
<i>Salsola tragus</i>	Russian-thistle
<i>Salvia aethiopsis</i>	Mediterranean sage
<i>Salvinia molesta</i>	Giant salvinia
<i>Sapium sebiferum</i>	Chinese tallowtree
<i>Saponaria officinalis</i>	Bouncingbet
<i>Schinus molle</i>	Peruvian peppertree
<i>Schinus terebinthifolius</i>	Brazilian peppertree
<i>Schismus arabicus</i> , <i>Schismus barbatus</i>	Mediterraneangrass
<i>Senecio jacobaea</i>	Tansy ragwort
<i>Sesbania punicea</i>	Red sesbania, scarlet wisteria
<i>Silybum marianum</i>	Blessed milkthistle
<i>Sinapis arvensis</i>	Wild mustard, charlock
<i>Sisymbrium irio</i>	London rocket
<i>Spartina alterniflora</i> (and <i>S. alterniflora</i> x <i>foliosa</i>)	Smooth cordgrass and hybrids, Atlantic cordgrass
<i>Spartina anglica</i>	Common cordgrass
<i>Spartina densiflora</i>	Dense-flowered cordgrass
<i>Spartina patens</i>	Saltmeadow cord grass
<i>Spartium junceum</i>	Spanish broom
<i>Stipa capensis</i>	Mediterranean steppegrass, twisted-awned speargrass
<i>Taeniatherum caput-medusae</i>	Medusahead
<i>Tamarix aphylla</i>	Athel tamarisk
<i>Tamarix parviflora</i>	Smallflower tamarisk
<i>Tamarix ramosissima</i>	Saltcedar, tamarisk
<i>Tanacetum vulgare</i>	Common tansy
<i>Tetragonia tetragonioides</i>	New Zealand spinach
<i>Torilis arvensis</i>	Hedgeparsley
<i>Trifolium hirtum</i>	Rose clover
<i>Ulex europaeus</i>	Gorse
<i>Undaria pinnatifida</i>	Wakame
<i>Verbascum thapsus</i>	Common mullein, woolly mullein
<i>Vinca major</i>	Big periwinkle
<i>Vulpia myuros</i>	Rattail fescue
<i>Washingtonia robusta</i>	Mexican fan palm

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Scientific Name	Common Name
Watsonia meriana	Bulbil watsonia
Zantedeschia aethiopica	Calla lily

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