



## LANDSCAPE ANALYSIS

Analysis of the existing Central Mesa landscape included both physical analysis and historic research of the outdoor spaces.

The historic research included documentation of original landscape features, design themes, spatial configurations and horticulture. Consultations with and reviews by both local and national historic preservationists were conducted during the landscape design development process. Results of this research can be found in the historic context and landscape recommendations sections. Figure 22 summarizes the history of the existing landscape.

The physical analysis included the following:

**Spatial Analysis** - documentation of spatial and topographical relationships between the built environment and outdoor spaces.

**Visual Analysis** - identification of important views and vistas and analysis of the visual hierarchy of buildings and landscape spaces.

**Landscape Use Analysis** - identification of the type and level of use of outdoor spaces including destination oriented spaces, multiple use and outdoor attraction areas, picnic and open play areas, and naturalized areas.

**Safety Analysis** - documentation of opportunities to enhance safety by design modifications, better maintenance, better lighting, clear sightlines, and more direct access.

**Horticultural Analysis** - identification and location of significant Central Mesa plants and trees.

A long range horticultural management plan is currently being developed for Balboa Park. The Park horticulturists are conducting detailed horticultural surveys and evaluations. They are also developing guidelines for tree maintenance and replacement programs. As this information is in progress, the Precise Plan horticultural research concentrated on documenting only the most valuable plants and trees within the proposed development areas.

The documented valuable plants and trees are listed in the plant inventory. Their locations are shown in Figure 23. Of these 139 species, 58 are considered to be significant by the Park horticulturists. These are marked by an asterisk.

### CENTRAL MESA PLANT INVENTORY

1. ACACIA MELANOXYLON
2. ACER (OBLONGUM) PAXII \*
3. ACROCARPUS FRAXINFOLIUS \*
4. AGATHIS AUSTRALIS \*



5. AGATHIS ROBUSTA \*
6. AGONIS FLEXUOSA \*
7. ALECTRYON EXCELSUS \*
8. ALEURITES FORDII \*
9. ARBUTUS UNEDO
10. ARCHONTOPHOENIX CUNNINGHAMIANA
11. ARECASTRUM ROMANZOFFIANUM
12. BAUHINIA PUNCTATA
13. BAUHINIA VARIGATA
14. BISCHOFIA JAVANICA \*
15. BOUGAINVILLEA SPECTABILIS
16. BRACHYCHITON HYBRID \*
17. BRACHYCHITON POPULNEUS
18. BRACHYCHITON SP. \*
19. BRAHEA BRANDGEELI \*
20. BRAHEA BRANDGEELI X EDULIS \*
21. BRAHEA EDULIS
22. BRASSAIA ACTINOPHYLLA
23. BUTIA CAPITATA
24. CALLISTEMON VIMINALIS
25. CALLISTRIS PREISSII
26. CALODENDRUM CAPENSIS \*
27. CAMELLIA SP.
28. CARYOTA URENS
29. CEDRUS ATLANTICA
30. CEDRUS DEODARA
31. CERATONIA SILIQUA
32. CHAMAEROPS HUMILIS \*
33. CHORISIA SPECIOSA
34. CINNAMOMUM CAMPHORA
35. CORDYLINE AUSTRALIS
36. CRYPTOMERIA JAPONICA \*
37. CUPRESSUS SEMPERVIRENS
38. CYCAS REVOLUTA



39. DOMBeya WALlichii
40. DRACAENA DRACO
41. ERIOBOTRYA JAPONICA
42. ERYTHRINA CAFFRA \*
43. ERYTHRINA CRISTA-GALLI \*
44. ERYTHRINA HUMEANA
45. ERYTHRINA PLEBOCARPA \*
46. ERYTHRINA X SYKESII
47. EUCALYPTUS CITRIODORA
48. EUCALYPTUS CLADOCALyx
49. EUCALYPTUS CORNUTA
50. EUCALYPTUS DEGULPTA
51. EUCALYPTUS MELLIODORA
52. EUCALYPTUS GLOBULUS
53. EUCALYPTUS POLYANTHEMOS
54. EUCALYPTUS SIDEROXYLON
55. FICUS BENJAMINA \*
56. FICUS ELASTICA \*
57. FICUS LYRATA \*
58. FICUS MACROPHYLLA \*
59. FICUS MACROPHYLLA 'COLUMNARIS' \*
60. FICUS MYSORENSIS \*
61. FICUS NEKBUDU \*
62. FICUS RACEMOSA \*
63. FICUS RADULINA \*
64. FICUS RELIGIOSA \*
65. FICUS RETUSA (MICROCARPA, NITIDA) \*
66. FICUS RUBIGINOSA
67. FICUS RUBIGINOSA (AUSTRALIS) \*
68. FICUS SYCOMORUS \*
69. FICUS THONNINGII
70. FICUS WATKINSIANA \*
71. GEIJERA PARVIFLORA \*
72. GINKGO BILOBA \*



73. GLEDITSIA TRIACANTHOS 'INERMIS'
74. GLEDITSIA TRIACANTHOS 'SUNBURST'
75. GREVILLEA ROBUSTA
76. HAKEA PETIOLARIS \*
77. HARPULLIA ARBOREA \*
78. HIBISCUS SP.
79. HOWEA FOSTERANA
80. HYDRANGIA HYBRIDS
81. HYMENOSPORUM FLAVUM \*
82. ILEX ALTACLARENSE 'WILSONII'
83. ILEX AQUIFOLIUM
84. JACARANDA ACUTIFOLIA
85. JUNIPERUS CHINENSIS TORULUSA
86. KIGELIA PINNATA \*
87. KOELREUTERIA PANICULATA
88. LAGUNARIA PATTERSONI \*
89. LAURUS NOBILIS
90. LEPTOSPERMUM LAEVIGATUM
91. LIQUIDAMBAR STYRACIFLUA
92. LYONOTHAMNUS FLORIBUNDUS \*
93. MAGNOLIA GRANDIFLORA \*
94. MARKHAMIA HILDEBRANDTII \*
95. MELALEUCA ARMILLARIS
96. MELALEUCA NESOPHILA
97. MELALEUCA STYPHELIOIDES
98. METROSIDEROS EXCELSOS
99. MICHELIA DOLTSOPA \*
100. OLEA EUROPAEA
101. OLMEDIELLA BETSCHIERANA \*
102. PELTOPHORUM DUBIUM \*
103. PHOENIX CANARIENSIS
104. PHOENIX RECLINATA
105. PHOENIX ROEBELENII
106. PHOENIX RUPICOLA \*
107. PINUS CANARIENSIS



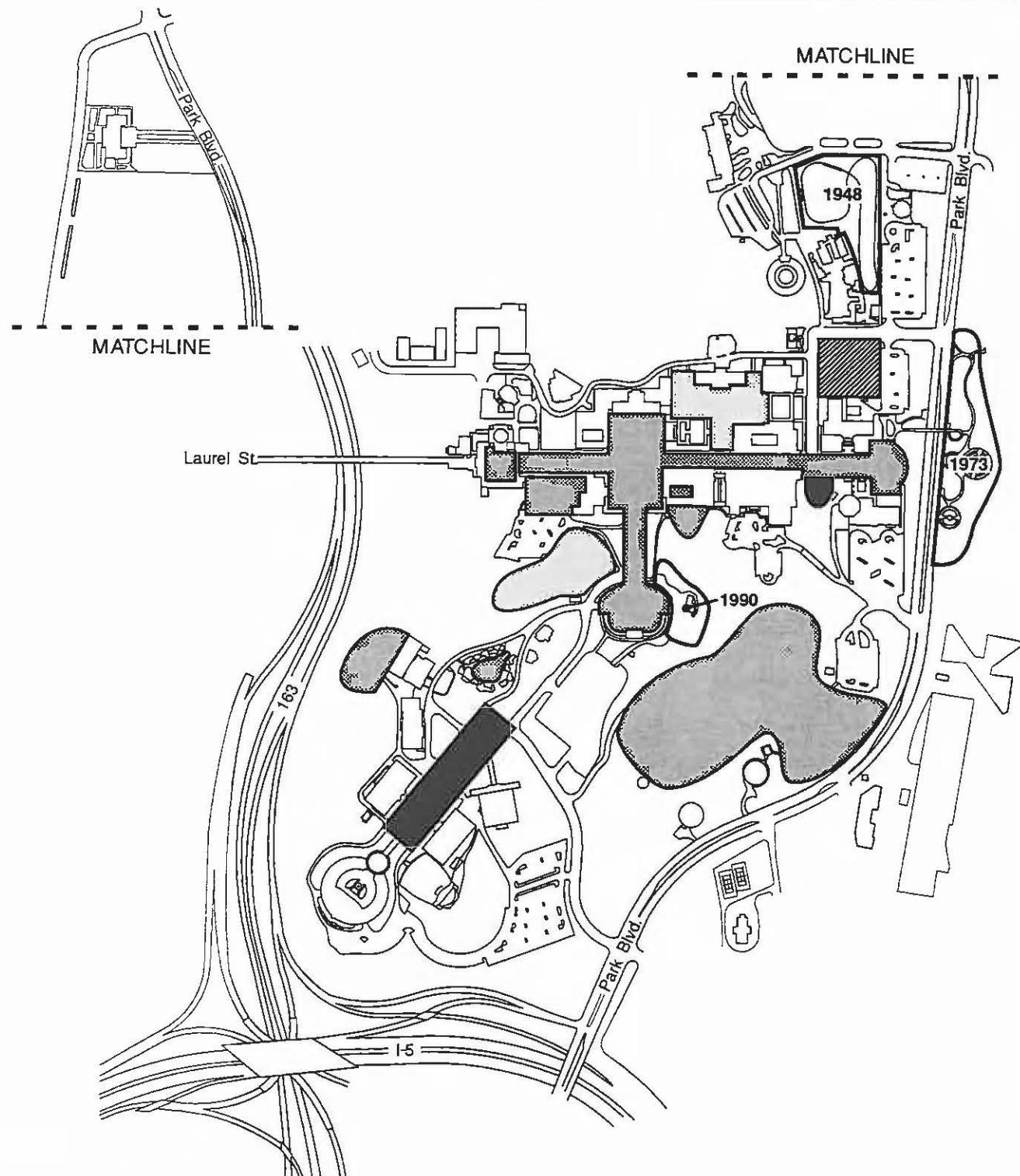
108. *PINUS PINEA* \*
109. *PINUS TORREYANA* \*
110. *PITTOSPORUM UNDULATUM*
111. *PITTOSPORUM VIRIDIFLORUM* \*
112. *PLATANUS RACEMOSA*
113. *PODOCARPUS GRACILIOR*
114. *PODOCARPUS HENKELLI* \*
115. *PRUNUS BLIREIANA*
116. *PRUNUS CAROLINIANA*
117. *PRUNUS SP.*
118. *PTEROSPERMUM ACERIFOLIUM* \*
119. *PYRUS KAWAKAMII*
120. *QUERCUS AGRIFOLIA* \*
121. *QUERCUS ILEX* \*
122. *QUERCUS SUBER*
123. *SABAL PAMETTO* \*
124. *SALIX MATSUDANA 'TORTUOSA'*
125. *SCHINUS MOLLE*
126. *SCHINUS POLYGAMOUS*
127. *SCHINUS TEREBENTHIFOLIUS*
128. *SCLEROARYA CAFFRA* \*
129. *SPATHODEA CAMPANULATA* \*
130. *STENOCARPUS SINUATUS*
131. *STRELITZIA NICOLAI*
132. *SYZYGIUM PANICULATUM*
133. *TABEBUIA AVELLANEDAE*
134. *TAXODIUM DISTICHUM* \*
135. *TAXODIUM MUCRONATUM* \*
136. *TRISTANIA CONFERTA*
137. *TUPIDANTHUS CALYPTRATUS*
138. *ULMUS AMERICANA*
139. *WASHINGTONIA ROBUSTA*

The 58 significant plants and trees (\*) were selected on the basis of specific criteria. The following definition of "significant" was provided by the Park horticulturist.

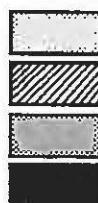


## BALBOA PARK·CENTRAL MESA PRECISE PLAN

### *Analysis - Landscape*



### Existing Landscape History



1915 Expo Landscape Feature

1935 Expo Landscape Feature

1915 Expo Landscape Feature - Altered

1935 Expo Landscape Feature - Altered

Non-Expo Landscape Feature  
with Date Constructed

13 June 1991

Figure  
22





BALBOA PARK·CENTRAL MESA PRECISE PLAN

*Analysis - Landscape*

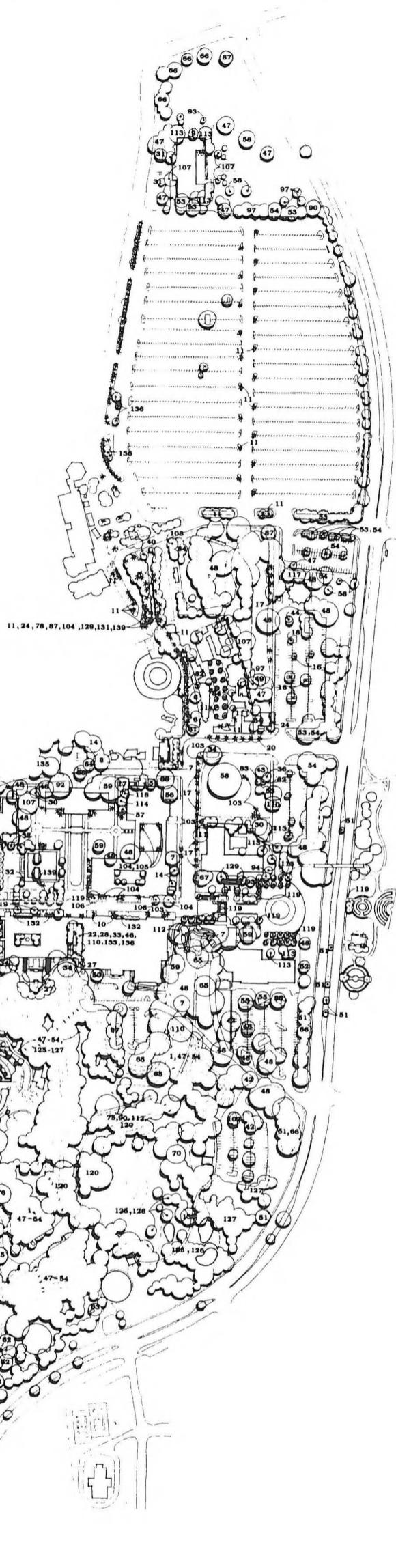
# BALBOA PARK • CENTRAL MESA PRECISE PLAN



## EXISTING PLANT LEGEND

1. ACACIA MELANOXYLON  
2. ACER (OLIOLONGUM) PAUP.  
3. ACROCARPUS FRAXINIFOLIUS\*  
4. AGATHIS AUSTRALIS\*  
5. AGATHIS ROBUSTA\*  
6. ACONI FLEXUOSA\*  
7. ALECTRYON EXCELSUS\*  
8. ALEURITES FORDII  
9. ARBUTUS UNEDO  
10. ARISTOLOCHIA CUNNINGHAMIANA  
11. ASplenium ROMAN ZOFFIANUM  
12. BAUHINIA PUNCTATA  
13. BAUHINIA VARIGATA  
14. BESCHIA JAVANICA\*  
15. BOUGAINVILLA SPECTABILIS  
16. BRACHYCHITON HYBRID\*  
17. BRACHYCHITON POPULNEUS  
18. BRACHYCHITON SP.\*  
19. BRAHISA BRANDGEGI\*  
20. BRAHISA BRANDGEGI X EDULE\*  
21. BRAHISA LUTEA  
22. BRASSAIA ACTINOPHYLLA  
23. BUTIA CAPITATA  
24. CALLISTEMON VIMINALIS  
25. CALLETRIS PRESSI  
26. CALODENDRUM CAPENSIS\*  
27. CAMELLIA SP.  
28. CARYOTA URENS  
29. CEDRUS ATLANTICA  
30. CEDRUS DEODARA  
31. CERATONIA SILQUA  
32. CHIONODOXA VITALIS\*  
33. CHOREA SPECIOSA  
34. CINNAMOMUM CAMPHORA  
35. CORDYLINA AUSTRALIS  
36. CRYPTOMERIA JAPONICA\*  
37. CUPRESSUS SEMPERVIRENS  
38. CYCAS REVOLUTA  
39. DOMBEYA WALLCHII  
40. DRACAENA DRACO  
41. ERIOBOTRYA JAPONICA  
42. ERYTHRINA CAFFRA\*  
43. ERYTHRINA CRISTA-GALLI\*  
44. ERYTHRINA HUMBAEA  
45. ERYTHRINA X KIRKII\*  
46. ERYTHRINA X SYKISII  
47. EUCALEYPTUS CITRIODORA  
48. EUCALEYPTUS CLADOCALyx  
49. EUCALEYPTUS CORNUTA  
50. EUCALEYPTUS DEGLOTTA  
51. EUCALEYPTUS MELLiodORA  
52. EUCALEYPTUS GLOBULUS  
53. EUCALEYPTUS POLYANTHOS  
54. EUCALEYPTUS SIDEROXYLON  
55. FICUS BENJIMA\*  
56. FICUS ELASTICA\*  
57. FICUS LYRATA\*  
58. FICUS MACROPHYLLA\*  
59. FICUS MACROPHYLLA 'COLUMNARIS'\*  
60. FICUS MYSORENSIS\*  
61. FICUS NEGRUDU\*  
62. FICUS RACEMOSA\*  
63. FICUS RADULINA\*  
64. FICUS RELIGIOSA\*  
65. FICUS RETUSA (MICROCARPA, NITIDA)\*  
66. FICUS RUBICINOSA  
67. FICUS RUBICINOSA (AUSTRALIS)\*  
68. FICUS SYCOMORUS\*  
69. FICUS THONNINGII

\* DENOTES SIGNIFICANT TREES



PIT  
PROBLEMS

## Central Mesa Plant Inventory

13 June 1991

Figure  
23

0 200 400 800  
SCALE IN FEET





• BALBOA PARK • CENTRAL MESA PRECISE PLAN  
*Analysis - Landscape*

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## SIGNIFICANT PLANTS AND TREES

Significant plants and trees in Balboa Park include species which are historically and/or horticulturally valuable. Historically significant plants are valuable because they may be associated with the original landscaping planted during the development of Balboa Park and during the expositions. Some of the older trees may be the original plant introductions into California by Kate Sessions and her associates. Horticulturally significant plants include plants which are valuable because they are:

- A) Rare and/or Endangered: Plant is threatened, rare or endangered in the wild.
- B) Unique or Uncommon: Plant is unique or uncommon to the area.
- C) Special Collection: Plant is part of Balboa Park's special collection.
- D) Popular: Plant is popular with the public.
- E) Educational: Plant is included in interpretive tours or school programs.
- F) Aesthetic: Specimen plant which has aesthetic value.

These plants and trees were given serious consideration in landscape design development. Their locations are shown in Figure 24. The following is the significant tree inventory which includes location number on the plan, preceding the name as well as the number of documented plants which follows the name.

### Significant Tree Inventory

Species Name:	(2)	Acer ( <i>oblongum</i> ) <i>paxii</i> (1)
Common Name:		Evergreen Maple
Location(s):		SW of House of Hospitality
Comments:		Save
Species Name:	(3)	<i>Acrocarpus fraxinfolius</i>
Common Name:		Pink Cedar
Location(s):		South of House of Pacific Relations
Comments:		Save
Species Name:	(4)	<i>Agathis australis</i> (2)
Common Name:		New Zealand Kauri
Location(s):		Adjacent to arcade on SE corner of House of Charm
Comments:		Save
Species Name:	(5)	<i>Agathis robusta</i> (3)
Common Name:		Queensland Kauri
Location(s):		North wall of Casa Del Prado Theater
Comments:		Save



Species Name:	(6)	<i>Agonis flexuosa</i>
Common Name:		Peppermint Tree
Location(s):		Lawn SE of Federal Building, (Largest in San Diego)
Comments:		Lawn west of Spanish Village Specimen at Federal Building should not be moved.
Species Name:	(7)	<i>Alectryon excelsus</i>
Common Name:		NCN
Location(s):		Many locations - concession stand / Zoro / Persian rug courtyard
Comments:		Movable / propagates easily
Species Name:	(8)	<i>Aleurites Fordii</i> (1)
Common Name:		Tung Oil Tree
Location(s):		Behind Botanical Building
Comments:		Single Specimen / Movable
Species Name:	(14)	<i>Bischofia javanica</i>
Common Name:		Toog Tree
Location(s):		North side of Botanical Building, east side of Casa del Prado
Comments:		Save
Species Name:	(16)	<i>Brachychiton hybrid</i>
Common Name:		Australian Flame Tree Hybrid
Location(s):		Parking islands - South Carousel Lot
Comments:		Movable
Species Name:	(18)	<i>Brachychiton "sp."</i>
Common Name:		Australian Flame Tree
Location(s):		South Carousel Lot - planter south of turnaround
Comments:		Movable
Species Name:	(19)	<i>Brahea brandegeei</i>
Common Name:		San Jose Hesper Palm
Location(s):		West lawn of Palisades Building
Comments:		Movable
Species Name:	(20)	<i>Brahea Brandegeei x edulis</i>
Common Name:		Brahea Hybrid
Location(s):		Sidewalk south of Spanish Village
Comments:		Movable



Species Name:	(26)	<i>Calodendrum capensis</i>
Common Name:		Cape Chestnut
Location(s):		Federal Building parking lot and east side of Federal Building
Comments:		Save
Species Name:	(32)	<i>Chamaerops humilis</i>
Common Name:		Mediterranean Fan Palm
Location(s):		NW of Timken Gallery
Comments:		Save
Species Name:	(36)	<i>Cryptomeria japonica</i>
Common Name:		Japanese Cedar
Location(s):		North side Moreton Bay Fig Tree Lawn
Comments:		Save
Species Name:	(42)	<i>Erythrina caffra</i>
Common Name:		Kaffirboom Coral Tree
Location(s):		Pepper Grove Parking Lot, Space Theater parking slope
Comments:		Moveable
Species Name:	(43)	<i>Erythrina crista-galli</i> (1)
Common Name:		Cockspur Coral Tree
Location(s):		Moreton Bay Fig Tree Lawn
Comments:		Single Specimen/Moveable
Species Name:	(45)	<i>Erythrina pleiocarpa</i>
Common Name:		NCN
Location(s):		Gold Gulch
Comments:		Single Specimen/Moveable
Species Name:	(55)	<i>Ficus benjamina</i>
Common Name:		Weeping Chinese Banyan
Location(s):		Space Theater parking lot
Comments:		Movable
Species Name:	(56)	<i>Ficus elastica</i>
Common Name:		Rubber Tree
Location(s):		North side of the Casa de Prado Theater
Comments:		Save
Species Name:	(57)	<i>Ficus lyrata</i> (1)
Common Name:		Fiddleleaf Fig
Location(s):		West side (rear) of the Casa Del Prado auditorium
Comments:		Single Specimen/Moveable



Species Name:	(58)	Ficus macrophylla (1)
Common Name:		Moreton Bay Fig
Location(s):		North side (rear) of Natural History Museum, (Landmark)
Comments:		Save
Species Name:	(59)	Ficus macrophylla columnaris (2)
Common Name:		Columnar Moreton Bay Fig
Location(s):		NE corner of the Botanical Building NW corner of the Casa Del Prado
Comments:		North side of the Fleet Space Theater Save
Species Name:	(60)	Ficus mysorensis (1)
Common Name:		Mysore Fig
Location(s):		In lawn west of the Aerospace Museum
Comments:		Save
Species Name:	(61)	Ficus nekbudu
Common Name:		Zulu Fig
Location(s):		Botanical Building parking lot, SW corner Spanish Village lawn, road in rear of Federal Building (row), SE corner of Federal Building
Comments:		Movable
Species Name:	(62)	Ficus racemosa (3)
Common Name:		Cluster Fig
Location(s):		Park Boulevard, south of south tank on canyon rim
Comments:		Save
Species Name:	(63)	Ficus radulina (2)
Common Name:		NCN
Location(s):		North side of Old Globe Way, Park Blvd. south of north tank
Comments:		Movable
Species Name:	(64)	Ficus religiosa (3)
Common Name:		Bo Tree
Location(s):		Rear of Art Museum, in lawn between House of Italy and UN Building
Comments:		Movable
Species Name:	(65)	Ficus retusa (microcarpa, nitida)
Common Name:		Indian Laurel Fig
Location(s):		Alcazar Garden parking lot, Zoro Garden, Casa de Balboa parking lot, Auto Museum
Comments:		Save



Species Name:	(67)	Ficus rubiginosa ( <i>australis</i> ) (1)
Common Name:		Rusty Leaf Fig
Location(s):		SW corner (front) of Natural History Museum
Comments:		Save
Species Name:	(68)	Ficus Sycomorus (1)
Common Name:		Sycamore Fig
Location(s):		Parking lot rear of the Botanical Bldg.
Comments:		Single Specimen/Not Moveable
Species Name:	(70)	Ficus Watkinsiana
Common Name:		Watkins Fig
Location(s):		Pepper Grove Picnic Area, east slope of Gold Gulch near P.G. restroom
Comments:		Single Specimen
Species Name:	(71)	Geijera parviflora
Common Name:		Australian Willow
Location(s):		South rim of Organ Pavilion parking lot at Presidents Way
Comments:		Movable
Species Name:	(72)	Ginkgo biloba (1)
Common Name:		Maidenhair Tree
Location(s):		House of Pacific Relations
Comments:		Save
Species Name:	(76)	Hakea petiolaris
Common Name:		Broad-leaf Sea Urchin
Location(s):		Gold Gulch
Comments:		Save
Species Name:	(77)	Harpullia arborea (2)
Common Name:		NCN
Location(s):		Adjacent to NE wall of Federal Building
Comments:		Save
Species Name:	(81)	Hymenosporum flavum
Common Name:		Sweetshade
Location(s):		House of Pacific Relations
Comments:		Save
Species Name:	(86)	Kigelia pinnata (1)
Common Name:		Sausage Tree
Location(s):		In lawn west of Aerospace Museum adjacent to rest room
Comments:		Save



Species Name:	(88)	Lagunaria pattersoni (1)
Common Name:		Primrose Tree
Location(s):		N corner of the Casa Del Prado auditorium
Comments:		Save
Species Name:	(92)	Lyonothamnus floribundus
Common Name:		Catalina Ironwood
Location(s):		NW of Botanical Building
Comments:		Save
Species Name:	(93)	Magnolia grandiflora (1)
Common Name:		Southern Magnolia
Location(s):		South side (front) of the Natural History Museum
Comments:		Save
Species Name:	(94)	Markhamia hildebrandtii
Common Name:		NCN
Location(s):		Front of Zoo Hospital, SE corner (front) of the Natural History Museum, east corner of the Federal Building
Comments:		Save
Species Name:	(99)	Michelia Doltsopa (1)
Common Name:		NCN
Location(s):		Between Muni-Gym and Federal Building adjacent to Pan American Plaza
Comments:		Single Specimen/Moveable
Species Name:	(101)	Olmmediella betscherana
Common Name:		Guatemalan Holly
Location(s):		Rear of the west wing of the Art Museum
Comments:		Save
Species Name:	(102)	Peltophorum dubium (2)
Common Name:		NCN
Location(s):		South end of Gold Gulch, Park and Presidents Way, Pepper Grove parking lot
Comments:		Save
Species Name:	(106)	Phoenix rupicola
Common Name:		Cliff Date Palm
Location(s):		South side of Casa del Prado
Comments:		Movable
Species Name:	(108)	Pinus pinea
Common Name:		Italian Stone Pine
Location(s):		East side of mall, south of Aerospace parking lot
Comments:		Save mall tree



Species Name:	(109)	Pinus torreyana
Common Name:		Torrey Pine
Location(s):		Rear of Organ Pavilion, House of Pacific
Comments:		Relations north lawn Save/Movable
Species Name:	(111)	<i>Pittosporum viridiflorum</i>
Common Name:		Cape Pittosporum
Location(s):		West side of Natural History Museum, East
Comments:		side of mall Movable
Species Name:	(114)	<i>Podocarpus Henkelli</i> (1)
Common Name:		Long-Leaved Yellowwood
Location(s):		West side (rear) of the Natural History
Comments:		Museum, west of Jr. Theater Movable
Species Name:	(118)	<i>Pterospermum acerifolium</i> (1)
Common Name:		Karnikar
Location(s):		West side (rear) of the Casa Del Prado
Comments:		auditorium Single Specimen/Save
Species Name:	(120)	<i>Quercus agrifolia</i> (25)
Common Name:		Live Oak
Location(s):		Gold Gulch
Comments:		Movable
Species Name:	(121)	<i>Quercus ilex</i> (1)
Common Name:		Holly Oak
Location(s):		In lawn north of House of Italy
Comments:		Movable
Species Name:	(123)	<i>Sabal palmetto</i> (10)
Common Name:		Cabbage Palm
Location(s):		Lawn front of Federal Building
Comments:		Movable
Species Name:	(128)	<i>Sclerocarya caffra</i> (1)
Common Name:		Marula
Location(s):		North side of Old Globe Way, rear of Art
Comments:		Museum Save
Species Name:	(129)	<i>Spathodea campanulata</i> (2)
Common Name:		African Tulip Tree
Location(s):		South side of Natural History Museum at
Comments:		entrance Save



## BALBOA PARK · CENTRAL MESA PRECISE PLAN

### Analysis - Landscape

Species Name: (134) *Taxodium distichum*  
Common Name: Bald Cypress  
Location(s): Lawn adjacent to NE side of Federal Building  
Comments: Save

Species Name: (135) *Taxodium mucronatum*  
Common Name: Montezuma Cypress  
Location(s): Northside of Old Globe Way west of Botanical Building  
Comments: Save

BALBOA PARK · CENTRAL MESA PRECISE PLAN

