

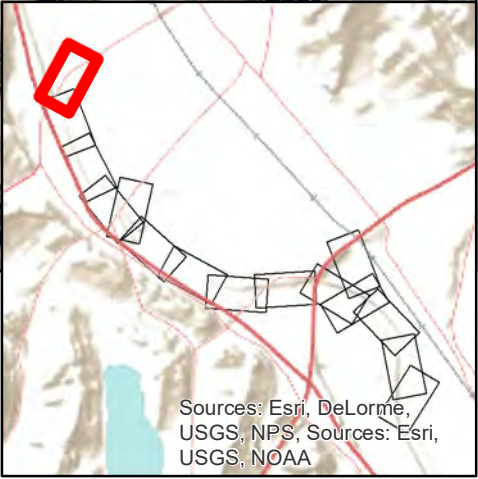
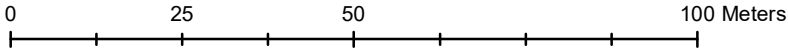
Appendix F

Biota - Study Area Map Book with Vegetation Mapping Unit Polygons and Table of Attribute Data



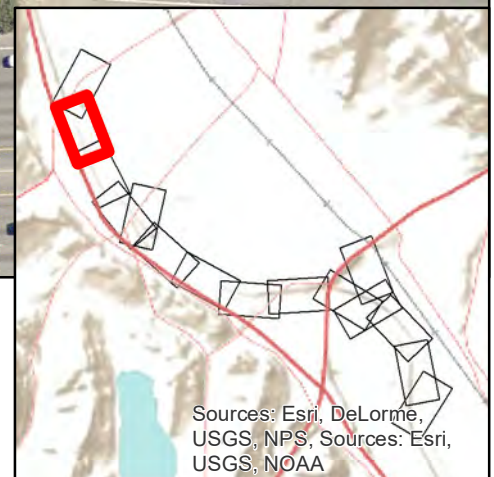
Appendix F: Biota - Study Area Map Book with Vegetation Mapping Unit Polygons

- Top of Channel
- Biota Survey Segments
- Toe of Slope Bank
- Vegetation Map Unit Polygon (Label # is Polygon ID)



 Top of Channel
  Biota Survey Segments

 Toe of Slope Bank
  Vegetation Map Unit Polygon (Label # is Polygon ID)



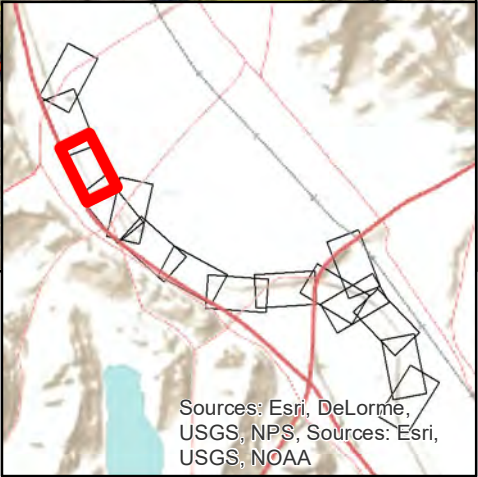


Appendix F: Biota - Study Area Map Book with Vegetation Mapping Unit Polygons

- Top of Channel
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- Vegetation Map Unit Polygon (Label # is Polygon ID)

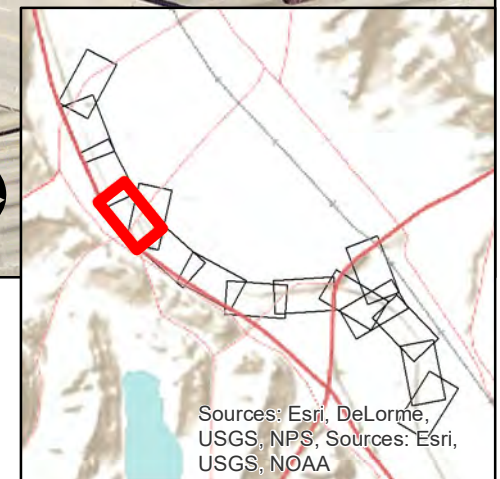
Aerial Source: Winter 2014 1-ft LARIAC - Accessed from LA County GIS Viewer

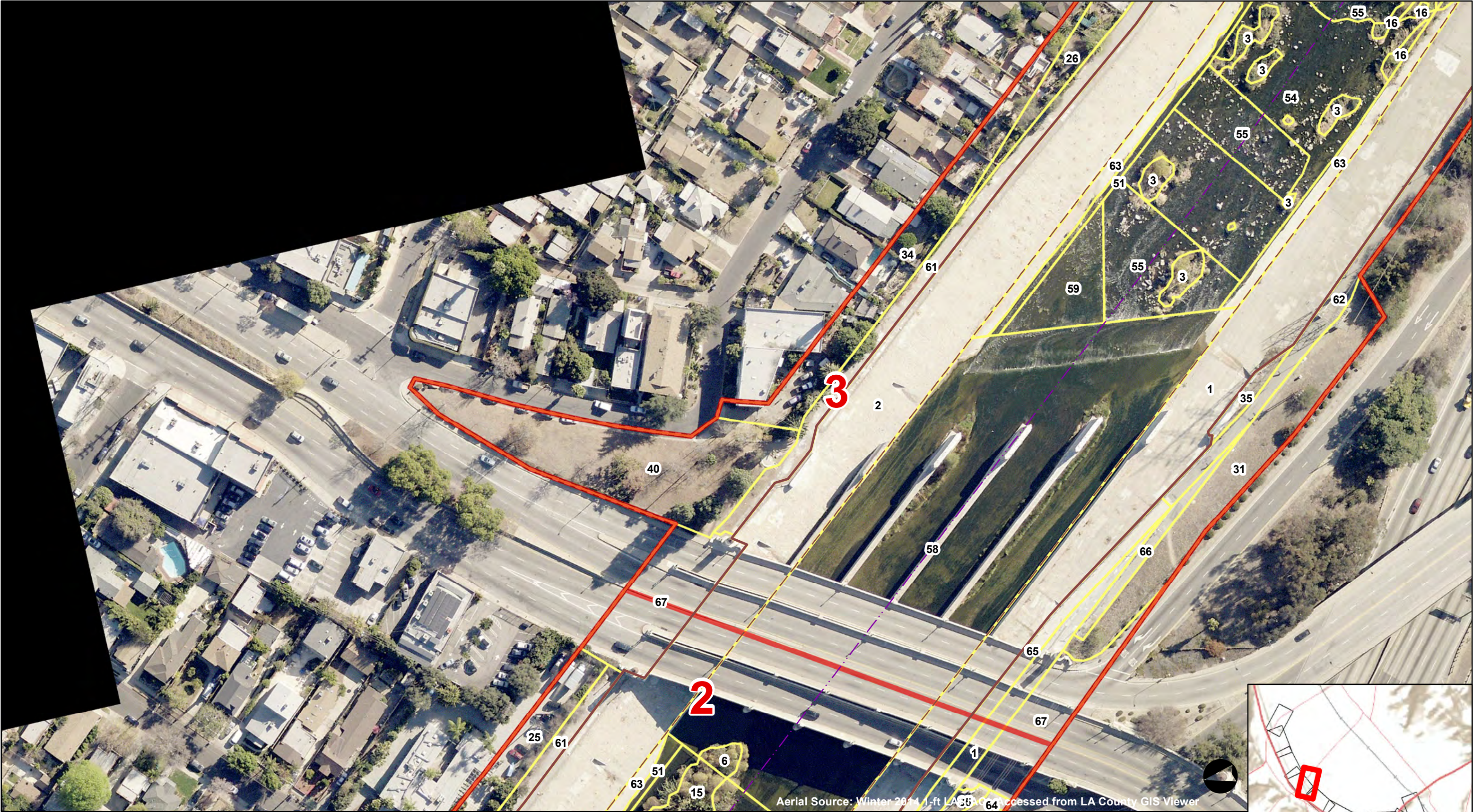
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 Top of Channel
  Biota Survey Segments

 Toe of Slope Bank
  Vegetation Map Unit Polygon (Label # is Polygon ID)

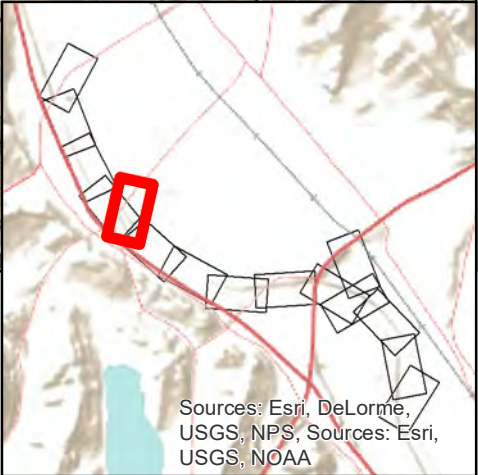




Appendix F: Biota - Study Area Map Book with Vegetation Mapping Unit Polygons

- Top of Channel
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- Toe of Slope Bank
- Vegetation Map Unit Polygon (Label # is Polygon ID)

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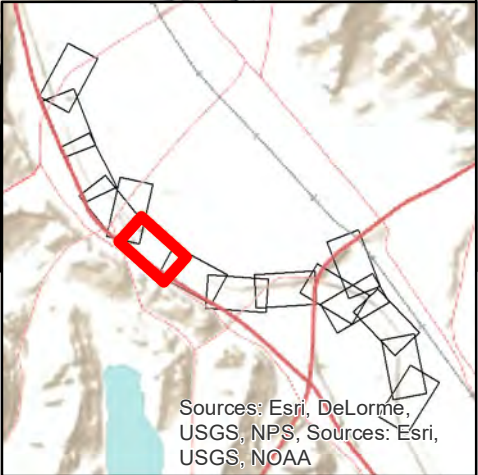




Appendix F: Biota - Study Area Map Book with Vegetation Mapping Unit Polygons

- Top of Channel
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- Toe of Slope Bank
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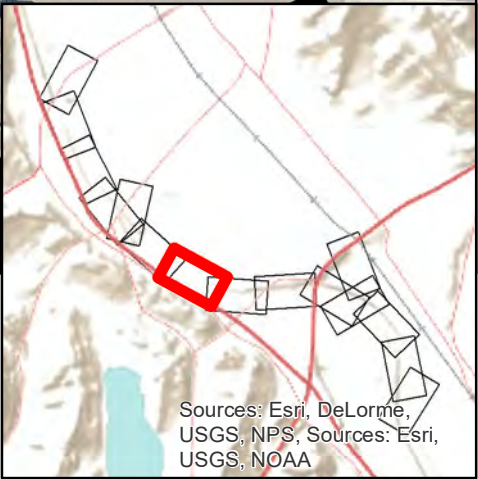
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Appendix F: Biota - Study Area Map Book with Vegetation Mapping Unit Polygons

- Top of Channel
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- Toe of Slope Bank
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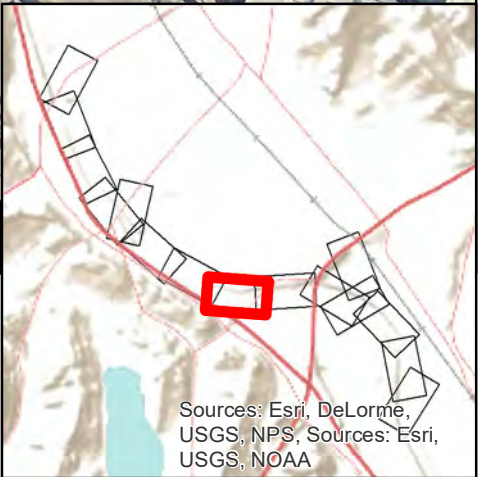




Appendix F: Biota - Study Area Map Book with Vegetation Mapping Unit Polygons

- Top of Channel
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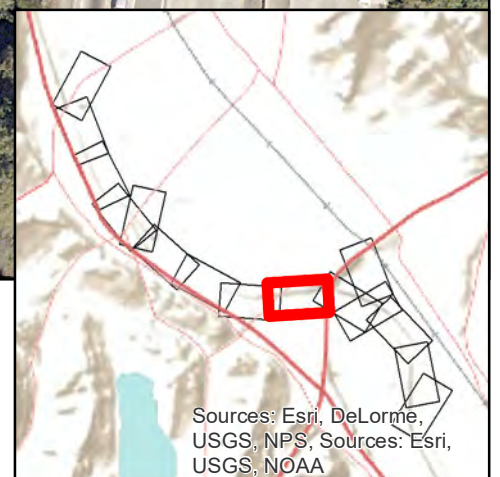
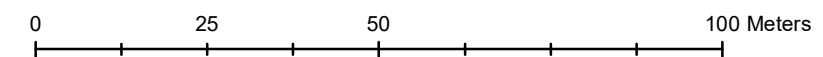
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Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA



Appendix F: Biota - Study Area Map Book with Vegetation Mapping Unit Polygons

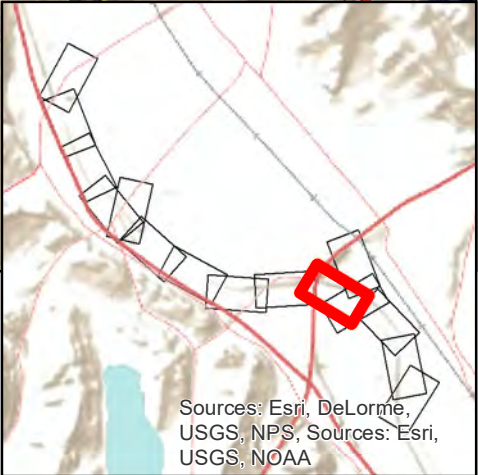




Appendix F: Biota - Study Area Map Book with Vegetation Mapping Unit Polygons

- Top of Channel
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- Toe of Slope Bank
- Vegetation Map Unit Polygon (Label # is Polygon ID)

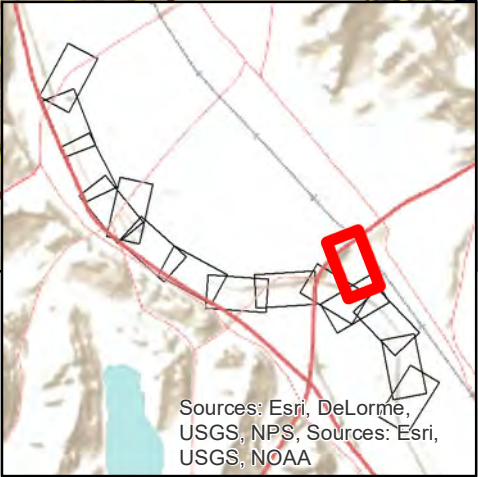
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Appendix F: Biota - Study Area Map Book with Vegetation Mapping Unit Polygons

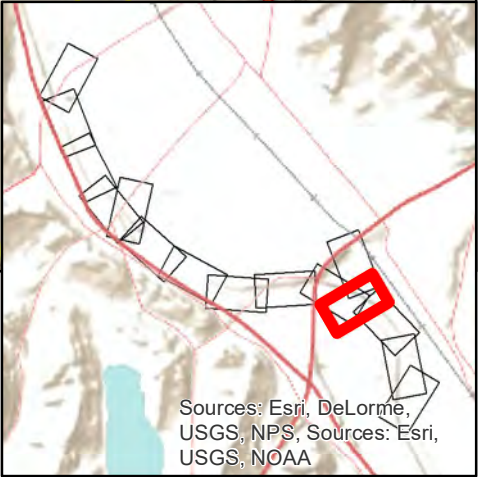
- Top of Channel
- Biota Survey Segments
- Toe of Slope Bank
- Vegetation Map Unit Polygon (Label # is Polygon ID)





Appendix F: Biota - Study Area Map Book with Vegetation Mapping Unit Polygons

- Top of Channel
- Toe of Slope Bank
- Biota Survey Segments
- Vegetation Map Unit Polygon (Label # is Polygon ID)

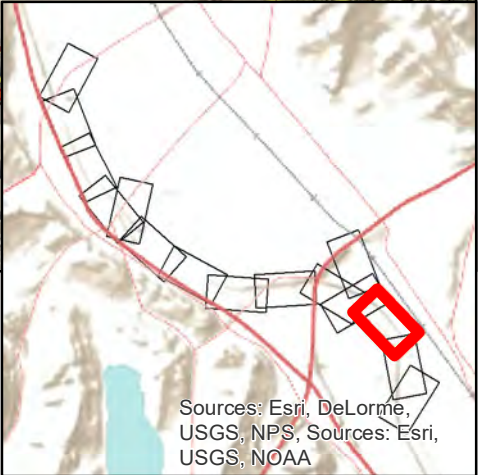




Appendix F: Biota - Study Area Map Book with Vegetation Mapping Unit Polygons

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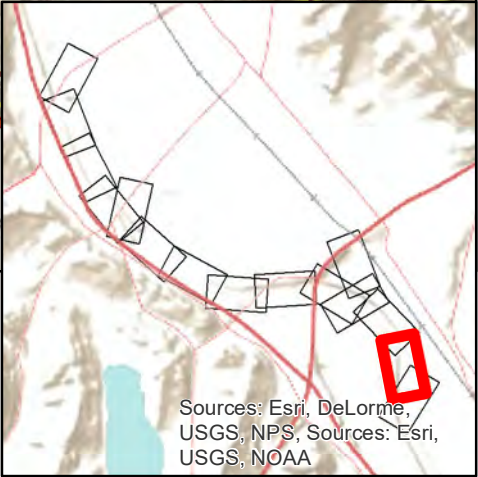
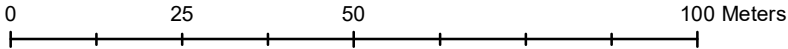
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Appendix F: Biota - Study Area Map Book with Vegetation Mapping Unit Polygons

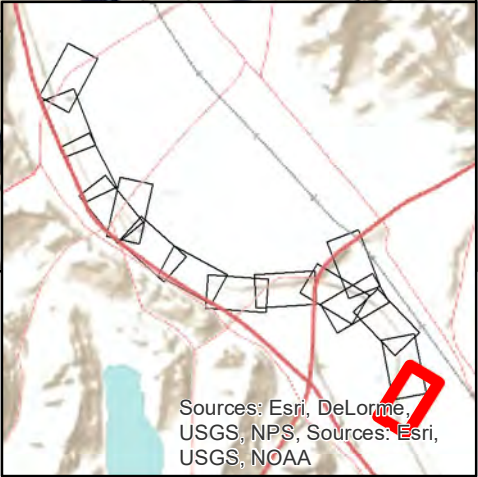
- Top of Channel
- Toe of Slope Bank
- Biota Survey Segments
- Vegetation Map Unit Polygon (Label # is Polygon ID)





Appendix F: Biota - Study Area Map Book with Vegetation Mapping Unit Polygons

- Top of Channel
- Toe of Slope Bank
- Biota Survey Segments
- Vegetation Map Unit Polygon (Label # is Polygon ID)



Appendix F: Biota - Vegetation Mapping Unit Table of Attribute Data

| Map_Unit_ID | Park | Low-Flow Water Type | Veg_Com1 | Substrate Type | Invasive Species Cover (%) | Giant Reed (Arundo donax) Cover (%) | Mexican Fan Palm (Washingtonia robusta) Cover (%) | Castor Bean (Ricinus communis) Cover (%) | Tree-of-Heaven (Ailanthus altissima) Cover (%) | Posion Hemlock (Conium maculatum) Cover (%) |
|-------------|------|---------------------|--|---|----------------------------|-------------------------------------|---|--|--|---|
| 1 | NA | NA | Concrete/Grouted Rock Slope Bank with Exotics | Concrete | <1% | 0% | <1% | <1% | 0% | 0% |
| 2 | NA | NA | Concrete/Grouted Rock Slope Bank with Exotics | Grouted Rock bank slopes | <1% | 0% | <1% | <1% | 0% | 0% |
| 3 | NA | Channel Bar | Emergent Vegetation with Giant Reed/Black Willow | Sand with gravels, cobbles, and boulders | 1-10% | 1% | <1% | 2% | 0% | 0% |
| 4 | NA | Channel Bar | Emergent Vegetation with Giant Reed/Black Willow | Sand with gravels, cobbles, and boulders | >30-50% | 25% | <1% | 20% | 0% | <1% |
| 5 | NA | Channel Bar | Giant Reed | Cobbles, gravel, sand | >10-30% | 20% | 5% | 5% | 0% | <1% |
| 6 | NA | Channel Bar | Giant Reed | Sand with gravels, cobbles, and boulders | >10-30% | 25% | 0% | 5% | 0% | 0% |
| 7 | NA | Channel Bar | Giant Reed | Sand with gravels, cobbles, and boulders | >30-50% | 25% | 0% | 20% | 0% | 0% |
| 8 | NA | Channel Bar | Giant Reed | Sand with gravels and cobbles | >75-100% | 70% | 2% | 10% | 0% | <1% |
| 9 | NA | Channel Bar | Giant Reed | Sand with gravels and cobbles with algae on rocks | >30-50% | 30% | 0% | 5% | 0% | 0% |
| 10 | NA | Channel Bar | Giant Reed | Cobbles, gravel, sand | >30-50% | 30% | 0% | 0% | 0% | 0% |
| 11 | NA | Channel Bar | Giant Reed | Cobbles, gravel, sand | >50-75% | 50% | 0% | 5% | 0% | 0% |
| 12 | NA | Channel Bar | Giant Reed/Black Willow with Emergent Vegetation | Cobbles, gravel, sand | >10-30% | 20% | 5% | 5% | 0% | 0% |
| 13 | NA | Channel Bar | Giant Reed/Black Willow with Emergent Vegetation | Sand with gravels, cobbles, and boulders | >30-50% | 30% | <1% | 10% | <1% | 0% |
| 14 | NA | Channel Bar | Giant Reed/Black Willow with Emergent Vegetation | Sand with gravels, cobbles, and boulders | 1-10% | 5% | 2% | 1% | 0% | <1% |
| 15 | NA | Channel Bar | Giant Reed/Black Willow with Emergent Vegetation | Sand with gravels, cobbles, and boulders | >30-50% | 25% | 1% | 5% | <1% | 0% |
| 16 | NA | Channel Bar | Giant Reed/Black Willow with Emergent Vegetation | Sand with gravels, cobbles, and boulders | >30-50% | 40% | 1% | 5% | <1% | <1% |
| 17 | NA | Channel Bar | Giant Reed/Black Willow with Emergent Vegetation | Sand with gravels, cobbles, and boulders | >50-75% | 50% | <1% | 15% | <1% | <1% |
| 18 | NA | Channel Bar | Giant Reed/Black Willow with Emergent Vegetation | Sand with gravels and cobbles with algae on rocks | >75-100% | 70% | 2% | 10% | <1% | <1% |
| 19 | NA | Channel Bar | Giant Reed/Black Willow with Emergent Vegetation | Cobbles, gravel, sand | >30-50% | 40% | 5% | 10% | <1% | 0% |
| 20 | NA | Channel Bar | Giant Reed/Black Willow with Emergent Vegetation | Sand with gravels, cobbles, and boulders | >50-75% | 50% | <1% | 15% | <1% | <1% |
| 21 | NA | Channel Bar | Giant Reed/Mulefat | Cobbles, gravel, sand | >30-50% | 30% | 1% | 0% | 0% | 0% |
| 22 | NA | Channel Bar | Giant Reed/Mulefat | Cobbles, gravel, sand | >10-30% | 5% | 5% | 5% | 0% | <1% |
| 23 | NA | NA | Revegetated with Coastal Sage Scrub Shrubs | Upper terrace bank | 1-10% | 0% | 5% | <1% | <1% | <1% |
| 24 | NA | NA | Urban Landscaping | Upper terrace bank | 1-10% | 0% | <1% | <1% | 0% | 0% |
| 25 | NA | NA | Urban Landscaping | Upper terrace bank | <1% | 0% | <1% | 0% | <1% | 0% |
| 26 | NA | NA | Urban Landscaping | Upper terrace bank | <1% | 0% | 0% | 0% | 0% | 0% |

Appendix F: Biota - Vegetation Mapping Unit Table of Attribute Data

| Map_Unit_ID | Park | Low-Flow Water Type | Veg_Com1 | Substrate Type | Invasive Species Cover (%) | Giant Reed (Arundo donax) Cover (%) | Mexican Fan Palm (Washingtonia robusta) Cover (%) | Castor Bean (Ricinus communis) Cover (%) | Tree-of-Heaven (Ailanthus altissima) Cover (%) | Posion Hemlock (Conium maculatum) Cover (%) |
|-------------|-------------------------------------|---------------------|-------------------------|--|----------------------------|-------------------------------------|---|--|--|---|
| 27 | NA | NA | Urban Landscaping | Upper terrace bank | <1% | 0% | <1% | 0% | 0% | 0% |
| 28 | NA | NA | Urban Landscaping | Upper terrace bank, sandy gravelly loam | <1% | 0% | <1% | 0% | 0% | 0% |
| 29 | NA | NA | Urban Landscaping | Upper terrace bank | <1% | 0% | 0% | 0% | <1% | 0% |
| 30 | NA | NA | Urban Landscaping | Upper terrace bank | <1% | 0% | 0% | 0% | 0% | 0% |
| 31 | NA | NA | Urban Landscaping | Upper terrace bank | 0% | 0% | 0% | 0% | 0% | 0% |
| 32 | NA | NA | Urban Landscaping | Upper terrace bank | <1% | 0% | 0% | 0% | <1% | 0% |
| 33 | NA | NA | Urban Landscaping | Upper terrace bank | <1% | 0% | 0% | 0% | <1% | 0% |
| 34 | NA | NA | Urban Landscaping | Upper terrace bank | 0% | 0% | 0% | 0% | 0% | 0% |
| 35 | NA | NA | Urban Landscaping | Upper terrace bank | 0% | 0% | 0% | 0% | 0% | 0% |
| 36 | NA | NA | Urban Landscaping | Asphalt/Concrete | 0% | 0% | 0% | 0% | 0% | 0% |
| 37 | Los Feliz LA City Green Space | NA | Urban Park | Upper terrace bank | 1-10% | 0% | 0% | 0% | 0% | 0% |
| 38 | Yoga Park | NA | Urban Park | Upper terrace bank | <1% | 0% | 0% | 0% | 0% | 0% |
| 39 | Sunnynook Park | NA | Urban Park | Upper terrace bank | <1% | 0% | <1% | 0% | 0% | 0% |
| 40 | Red Car River Park | NA | Urban Park | Upper terrace bank | <1% | 0% | 0% | 0% | 0% | 0% |
| 41 | Bowtie State Park | NA | Urban Park | Upper terrace bank | >10-30% | 0% | 20% | 0% | 0% | 0% |
| 42 | Marsh Park | NA | Urban Park | Upper terrace bank | 0% | 0% | 0% | 0% | 0% | 0% |
| 43 | Mini Sunnynook Park | NA | Urban Park | Upper terrace bank | 0% | 0% | 0% | 0% | 0% | 0% |
| 44 | Acresite Water and Willow Gate Park | NA | Urban Park | Upper terrace bank | 0% | 0% | 0% | 0% | 0% | 0% |
| 45 | Crystal Bike Park | NA | Urban Park | Upper terrace bank | <1% | 0% | 0% | 0% | 0% | 0% |
| 46 | Rattlesnake Park | NA | Urban Park | Upper terrace bank | 0% | 0% | 0% | 0% | 0% | 0% |
| 47 | Water with Rocks Gate Park | NA | Urban Park | Upper terrace bank | <1% | 0% | <1% | 0% | 0% | 0% |
| 48 | Elysian Valley Gateway Park | NA | Urban Park | Upper terrace bank | 0% | 0% | 0% | 0% | 0% | 0% |
| 49 | Bowtie Parcel State Park | NA | Urban Park | Upper terrace bank | 1-10% | 0% | <1% | 0% | 0% | 0% |
| 50 | Marsh Park | NA | Urban Park | Upper terrace bank | 0% | 0% | 0% | 0% | 0% | 0% |
| 51 | NA | Run | Water | Concrete/Grouted Rock | 0% | 0% | 0% | 0% | 0% | 0% |
| 52 | NA | Run | Water | Concrete/Grouted Rock | 0% | 0% | 0% | 0% | 0% | 0% |
| 53 | NA | Run | Water | Concrete/Grouted Rock | 0% | 0% | 0% | 0% | 0% | 0% |
| 54 | NA | Run | Water | Sand with gravels, cobbles, and boulders | 0% | 0% | 0% | 0% | 0% | 0% |
| 55 | NA | Riffles | Water | Sand with gravels, cobbles, and boulders | 0% | 0% | 0% | 0% | 0% | 0% |
| 56 | NA | Rapid | Water | Sand with gravels, cobbles, and boulders | 0% | 0% | 0% | 0% | 0% | 0% |
| 57 | NA | Pool | Water | Sand with gravels, cobbles, and boulders | 0% | 0% | 0% | 0% | 0% | 0% |
| 58 | NA | Pool | Water | Concrete | 0% | 0% | 0% | 0% | 0% | 0% |
| 59 | NA | Flat | Water | Sand with gravels, cobbles, and boulders | 0% | 0% | 0% | 0% | 0% | 0% |
| 60 | NA | Embayment | Water | Sand with gravels, cobbles, and boulders | 0% | 0% | 0% | 0% | 0% | 0% |
| 61 | NA | NA | Hardscape | Asphalt | 0% | 0% | 0% | 0% | 0% | 0% |
| 62 | NA | NA | Hardscape | Asphalt | 0% | 0% | 0% | 0% | 0% | 0% |
| 63 | NA | NA | Concrete Toe Protection | Concrete/Grouted Rock | 0% | 0% | 0% | 0% | 0% | 0% |
| 64 | NA | NA | Hardscape | Asphalt | 0% | 0% | 0% | 0% | 0% | 0% |
| 65 | NA | NA | Hardscape | Concrete | 0% | 0% | 0% | 0% | 0% | 0% |
| 66 | NA | NA | Hardscape | Asphalt | 0% | 0% | 0% | 0% | 0% | 0% |
| 67 | NA | NA | Hardscape | Asphalt/Concrete | 0% | 0% | 0% | 0% | 0% | 0% |
| 68 | NA | Concrete Feature | Hardscape | Concrete | 0% | 0% | 0% | 0% | 0% | 0% |

Appendix F: Biota - Vegetation Mapping Unit Table of Attribute Data

| Map_Unit_ID | Other Invasive Species (*Denotes Invasive) | Upper Canopy Cover (%) | Upper Canopy Species (*Denotes Invasive) | Mid Canopy Cover (%) | Mid Canopy Tree Species (*Denotes Invasive) | Lower Canopy Shrub Cover (%) | Lower Canopy Shrub Sp (*Denotes Invasive) | Herb Cover (%) |
|-------------|---|---------------------------|---|----------------------|---|---------------------------------|--|----------------|
| 1 | Pennisetum setacum* | 0% | NA | 0% | NA | <1% | Washingtonia robusta* | <1% |
| 2 | Pennisetum setacum* | 0% | NA | 0% | NA | <1% | Washingtonia robusta* | <1% |
| 3 | Digitaria ciliaris* | 0% | Salix goodingii | 1-10% | Salix goodingii saplings | <1% | Baccharis salicifolia | 0% |
| 4 | Digitaria ciliaris*, Pennisetum setacum* | 1-10% | Salix goodingii | 1-10% | Salix goodingii | 0% | NA | 1-10% |
| 5 | Acacia sp.* (5% cover), Eucalyptus sp.*, Morus alba*, Nerium oleander*, Pennisetum setacum*, Phoenix canariensis* | 1-10% | Salix goodingii | >30-50% | Baccharis salicifolia dominant, Ceratonia siliqua*, Eucalyptus sp.*, Fraxinus sp.*, Morus alba*, Phoenix canariensis*, Pinus spp.*, Celtis laevigata*, some Salix goodingii | >10-30% | Baccharis salicifolia, Washingtonia robusta* | 1-10% |
| 6 | NA | >30-50% | Salix goodingii | >50-75% | Salix goodingii | <1% | Baccharis salicifolia | 1-10% |
| 7 | Digitaria ciliaris*, Pennisetum setacum* | 0% | NA | 0% | NA | 0% | NA | 1-10% |
| 8 | Digitaria ciliaris*, Erodium cicutarium*, Hirschfeldia incana*, Morus alba*, Pennisetum setacum* | >30-50% | Salix goodingii | 1-10% | Baccharis salicifolia, Morus alba*, Salix goodingii | >10-30% | Arundo donax*, Washingtonia robusta* | >10-30% |
| 9 | Digitaria ciliaris*, Erodium cicutarium*, Hirschfeldia incana*, Pennisetum setacum* | <1% | Salix goodingii | 1-10% | Baccharis salicifolia, Salix goodingii | >10-30% | Edges Arundo donax* | >10-30% |
| 10 | Erodium cicutarium* | 0% | NA | 1-10% | Baccharis salicifolia dominant | 1-10% | Arundo donax*, Baccharis salicifolia | >30-50% |
| 11 | NA | 1-10% | Salix goodingii | >30-50% | Baccharis salicifolia dominant, some Salix goodingii | 1-10% | Baccharis salicifolia | 1-10% |
| 12 | NA | 1-10% | Salix goodingii | >30-50% | Baccharis salicifolia dominant, some Salix goodingii | 1-10% | Baccharis salicifolia, Washingtonia robusta* | 1-10% |
| 13 | Ehrharta erecta*, Eucalyptus sp.*, Ficus carica*, Pennisetum setacum* | >30-50% | Salix goodingii, Salix lasiandra | >30-50% | Ailanthus altissima*, Ficus carica*, Morus alba*, Salix goodingii, Salix lasiandra | <1% | Baccharis salicifolia (west bank) | >10-30% |
| 14 | Eucalyptus sp.*, Nerium oleander*, Ficus carica* | 1-10% | Salix goodingii | >30-50% | Salix goodingii, Eucalyptus sp.* | 1-10% | Baccharis salicifolia on edges | 1-10% |
| 15 | Morus alba*, Nicotiana glauca*, Ficus carica* | >30-50% | Platanus racemosa, Salix goodingii | >50-75% | Ailanthus altissima*, Morus alba*, Salix goodingii, Platanus racemosa saplings | <1% | Baccharis salicifolia, Nicotiana glauca* | 1-10% |
| 16 | Digitaria ciliaris*, Nicotiana glauca* | >30-50% | Salix goodingii, few Salix lasiolepis | >50-75% | Ailanthus altissima*, Salix goodingii, few Salix lasiolepis | 1-10% | Baccharis salicifolia, Nicotiana glauca* | 1-10% |
| 17 | Digitaria ciliaris*, Morus alba*, Pennisetum setacum* | >10-30% | Salix goodingii, very few Salix lasiandra, Salix laevigata | >30-50% | Ailanthus altissima*, Baccharis salicifolia, Morus alba*, Salix goodingii, few Salix lasiolepis | <1% | Baccharis salicifolia, Callistemon citrinus* | >10-30% |
| 18 | Digitaria ciliaris*, Erodium cicutarium*, Eucalyptus sp.*, Foeniculum vulgare*, Hirschfeldia incana*, Morus alba*, Nicotiana glauca*, Pennisetum setacum*, Raphnus sativa*, Silybum marianum* | >30-50% | Salix goodingii | 1-10% | Ailanthus altissima*, Baccharis salicifolia, Eucalyptus sp.*, Fraxinus sp.*, Morus alba*, Pinus spp.*, Salix goodingii | >10-30% | Edges Arundo donax*, Foeniculum vulgare*, Nicotiana glauca* | >10-30% |
| 19 | Morus alba*, Pennisetum setacum* | >10-30% | Platanus racemosa, Salix goodingii | >30-50% | Ailanthus altissima*, Fraxinus sp.*, Jacaranda mimosifolia*, Morus alba*, Pinus spp.*, Salix goodingii | >10-30% | Baccharis salicifolia, Washingtonia robusta* | 1-10% |
| 20 | Digitaria ciliaris*, Morus alba*, Pennisetum setacum* | >10-30% | Salix goodingii, very few Salix lasiandra, Salix laevigata | >30-50% | Ailanthus altissima*, Baccharis salicifolia, Morus alba*, Salix goodingii, few Salix lasiolepis | <1% | Baccharis salicifolia, Washingtonia robusta* | >10-30% |
| 21 | NA | 0% | NA | >10-30% | Baccharis salicifolia dominant, some Salix goodingii | >30-50% | Arundo donax*, Baccharis salicifolia, Washingtonia robusta* | >30-50% |
| 22 | Acacia sp.*, Eucalyptus sp.* | <1% | Salix goodingii | 1-10% | Baccharis salicifolia dominant, Eucalyptus sp.*, Fraxinus sp.*, some Salix goodingii | 1-10% | Baccharis salicifolia, Washingtonia robusta* | 1-10% |
| 23 | Bromus diandrus*, Ehrharta erecta*, Hirschfeldia incana*, Pennisetum setacum, tree of heaven | 0% | NA | <1% | Ailanthus altissima* | >10-30% | Acmispon glabra, Artemisia californica, Baccharis salicifolia, Encelia californica, Eriodictyon californicum, Eriogonum fasciculatum, Hesperoyucca whipplei, Heteromeles arbutifolia, Malosma laurina, Opuntia ficus-indica*, Salvia apiana, S. leucophylla, S. mellifera, Sambucus nigra ssp. caerulea, Washingtonia robusta* | >50-75% |
| 24 | Ehrharta erecta*, Mesembryanthemum crystallinum*, Olea europaea*, Phoenix canariensis*, Pennisetum setacum* | >50-75% | Ornamental trees (incl. Carpobrotus edulis*, Cinnamomum camphora*, Olea europaea*, Phoenix canariensis*, Pinus spp.*, Ulmus parviflora*, Washingtonia robusta*), Platanus racemosa, Quercus agrifolia | 1-10% | Sambucus nigra ssp. caerulea | <1% | Agave (ornamental)*, Aloe (ornamental)*, Bougainvillea*, Heteromeles arbutifolia, Lantana sp.*, Opuntia ficus-indica*, Pyracantha sp.* | >30-50% |
| 25 | Eucalyptus sp.*, Olea europaea*, Pennisetum setacum*, Raphnus sativa* | 1-10% | Eucalyptus sp.*, Ficus sp.*, Phoenix canariensis*, Pinus spp.*, Ulmus parviflora*, Washingtonia robusta* | >75-100% | Ailanthus altissima*, Fraxinus sp.*, Olea europaea*, Platanus racemosa, Quercus agrifolia, Sambucus nigra ssp. Caerulea | <1% | Agave (ornamental)*, Bamboo (ornamental)*, Callistemon citrinus*, Heteromeles arbutifolia, Opuntia ficus-indica* | >50-75% |
| 26 | Ehrharta erecta*, Hedera canariensis*, Mesembryanthemum crystallinum*, Nerium oleander*, Olea europaea*, Schinus terebinthifolius* | >10-30% | Ficus sp.*, Pinus spp.*, Ulmus parviflora* | >50-75% | Ornamental trees (incl. Fraxinus sp.*, Jacaranda mimosifolia*, Olea europaea*, Schinus terebinthifolius*), Populus fremontii | <1% | Aloe (ornamental)*, Bougainvillea*, Opuntia ficus-indica*, Ceratostigma plumbaginoides*, Pyracantha sp.* | 1-10% |

Appendix F: Biota - Vegetation Mapping Unit Table of Attribute Data

| Map_Unit_ID | Other Invasive Species (*Denotes Invasive) | Upper Canopy Cover (%) | Upper Canopy Species (*Denotes Invasive) | Mid Canopy Cover (%) | Mid Canopy Tree Species (*Denotes Invasive) | Lower Canopy Shrub Cover (%) | Lower Canopy Shrub Sp (*Denotes Invasive) | Herb Cover (%) |
|-------------|--|---------------------------|---|----------------------|---|---------------------------------|---|----------------|
| 27 | Bromus diandrus*, Ehrharta erecta*, Eucalyptus sp.* | 1-10% | Eucalyptus sp.*, Platanus racemosa, Ulmus parviflora*, Washingtonia robusta* | >10-30% | Malosma laurina, Platanus racemosa, Populus fremontii, Quercus agrifolia, Sambucus nigra ssp. Caerulea | 1-10% | Agave (ornamental)*, Encelia californica, Eriogonum fasciculatum, Heteromeles arbutifolia | >50-75% |
| 28 | Bromus diandrus*, Ehrharta erecta*, Pennisetum setacum*, Phoenix canariensis* | 0% | NA | >30-50% | Heteromeles arbutifolia, Juglans californica, Quercus agrifolia, Sambucus nigra ssp. Caerulea, Ulmus parviflora*, Washingtonia robusta* | 1-10% | Eriogonum fasciculatum | >50-75% |
| 29 | NA | >50-75% | Platanus racemosa | 1-10% | Ailanthus altissima*, Quercus agrifolia, Sambucus nigra ssp. caerulea | 0% | NA | 1-10% |
| 30 | Bromus diandra*, Hedera canariensis* | >10-30% | Populus trichocarpa, Quercus agrifolia | >10-30% | Various | 0% | NA | >50-75% |
| 31 | NA | 0% | NA | 1-10% | Various | 0% | NA | >75-100% |
| 32 | Phoenix canariensis* | 1-10% | Ornamental trees | >30-50% | Ailanthus altissima*, Ornamental trees dominant, few Juglans californica, Quercus agrifolia, Sambucus nigra ssp. caerulea | 0% | NA | >30-50% |
| 33 | Pennisetum setacum* | 0% | NA | >30-50% | Ailanthus altissima*, Ornamental trees dominant, few Quercus agrifolia, Sambucus nigra ssp. caerulea | 0% | NA | >50-75% |
| 34 | NA | >10-30% | Pinus spp.* | >50-75% | Ornamental trees | 0% | NA | 1-10% |
| 35 | NA | 0% | NA | 0% | NA | 0% | NA | >75-100% |
| 36 | NA | 1-10% | Ornamental trees | <1% | Ornamental trees | 0% | NA | <1% |
| 37 | Eucalyptus sp.*, Hedera canariensis* | >50-75% | Eucalyptus sp.*, Platanus racemosa | 0% | NA | 0% | NA | >75-100% |
| 38 | Erodium cicutarium* | >75-100% | Platanus racemos, Populus fremontii, Quercus agrifolia | 0% | NA | 0% | NA | >30-50% |
| 39 | Bromus diandrus*, Schinus terebinthifolius* | 1-10% | Pinus spp.*, Platanus racemosa, Quercus agrifolia, Washingtonia robusta* | >10-30% | Juglans californica, Malosma laurina, Platanus racemosa, Quercus agrifolia, Sambucus nigra ssp. caerulea, Schinus terebinthifolius* | >30-50% | native plantings (incl. Heteromeles arbutifolia) | >50-75% |
| 40 | Hedera canariensis*, Ficus carica*, Phoenix canariensis*, Pennisetum setacum* | >10-30% | Pinus spp.*, Platanus racemosa | 1-10% | Lagerstroemia indica*, Ficus carica*, Platanus racemosa, Populus fremontii | <1% | Rosa californica | 1-10% |
| 41 | Nicotiana glauca*, Pennisetum setacum*, Salsola tragus* | 0% | NA | >10-30% | Baccharis salicifolia, Sambucus nigra ssp. caerulea, Washingtonia robusta* | >1% | Encelia californica, Eriogonum fasciculatum, Baccharis salicifolia, Nicotiana glauca*, Salvia apiana | >50-75% |
| 42 | NA | >10-30% | Platanus racemosa, Quercus agrifolia | >10-30% | Platanus racemosa, Quercus agrifolia | 0% | NA | >50-75% |
| 43 | NA | >30-50% | Ornamental Trees | >30-50% | Ornamental Trees | 0% | NA | 1-10% |
| 44 | NA | >10-30% | Ornamental trees | 1-10% | Ornamental trees | 0% | NA | >50-75% |
| 45 | Bromus diandra*, Hedera canariensis* | >10-30% | Populus fremontii, Quercus agrifolia | >10-30% | Populus trichocarpa, Quercus agrifolia | 0% | NA | >50-75% |
| 46 | NA | >30-50% | Platanus racemosa | 0% | NA | 0% | NA | 1-10% |
| 47 | NA | 1-10% | Platanus racemosa | >10-30% | Heteromeles arbutifolia, Platanus racemosa, Populus fremontii, Quercus agrifolia | <1% | Washingtonia robusta* | >50-75% |
| 48 | NA | >30-50% | Platanus racemosa | 0% | NA | >10-30% | native plantings | 1-10% |
| 49 | Pennisetum setacum* | 0% | NA | 1-10% | Baccharis salicifolia, Washingtonia robusta* | 0% | NA | >30-50% |
| 50 | NA | <1% | Ornamental trees | 0% | NA | 0% | NA | 0% |
| 51 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 52 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 53 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 54 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 55 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 56 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 57 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 58 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 59 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 60 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 61 | NA | 0% | NA | 0% | NA | 0% | NA | <1% |
| 62 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 63 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 64 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 65 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 66 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 67 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |
| 68 | NA | 0% | NA | 0% | NA | 0% | NA | 0% |

| Map_Unit_ID | Herb Sp (*Denotes Invasive) | Emergent Cover (%) | Emergent Sp (*Denotes Invasive) | Floating Cover (%) | Floating Sp | Bare Ground Cover (%) |
|-------------|--|--------------------|--|--------------------|------------------|-----------------------|
| 1 | Carex sp., Pennisetum setacum*, Pennisetum villosum*, Plantago sp.*, Ricinus communis* | 0% | NA | 0% | NA | >75-100% |
| 2 | Carex sp., Pennisetum setacum*, Pennisetum villosum*, Plantago sp.*, Ricinus communis* | 0% | NA | 0% | NA | >75-100% |
| 3 | Digitaria ciliaris*, Ricinus communis*, Rumex crispus* | >75-100% | Eleocharis sp., Ludwigia peploides, Schoenoplectus (Scirpus) sp., Typha sp. | 0% | NA | 0% |
| 4 | Carex sp., Conium maculatum*, Digitaria ciliaris*, Pennisetum setacum*, Ricinus communis*, Xanthium strumarium | >75-100% | Eleocharis sp., Epilobium ciliatum, Ludwigia sp.*, Schoenoplectus (Scirpus) americanus, Typha sp. | <1% | Lemna - duckweed | 0% |
| 5 | Carex sp., Conium maculatum*, Scattered exotic annual grasses*, Pennisetum setacum*, Ricinus communis*, Sonchus sp.*, Xanthium strumarium | 1-10% | Schoenoplectus (Scirpus) sp., Ludwigia peploides* | <1% | Lemna - duckweed | 0% |
| 6 | exotic annual grasses*, Ricinus communis* | >30-50% | Schoenoplectus (Scirpus) acutus, S. americanus, Typha sp. | <1% | Lemna - duckweed | 1-10% |
| 7 | Digitaria ciliaris*, Pennisetum setacum*, Ricinus communis* | >75-100% | Epilobium ciliatum, Ludwigia peploides*, Schoenoplectus (Scirpus) americanus, Typha sp. | <1% | Lemna - duckweed | 1-10% |
| 8 | Conium maculatum*, Erodium cicutarium*, exotic annual grasses (incl. Digitaria ciliaris)* in openings, Hirschfeldia incana*, Pennisetum setacum*, Ricinus communis* | <1% | Schoenoplectus (Scirpus) americanus, Typha sp. | 0% | NA | 1-10% |
| 9 | Erodium cicutarium*, exotic annual grasses (incl. Digitaria ciliaris)* in openings, Hirschfeldia incana*, Pennisetum setacum*, Ricinus communis* | <1% | Schoenoplectus (Scirpus) americanus, Typha sp. | 0% | NA | 1-10% |
| 10 | Erodium cicutarium*, exotic annual grasses* dominant | 0% | NA | 0% | NA | 1-10% |
| 11 | Scattered exotic annual grasses*, Ricinus communis* | 0% | NA | 0% | NA | 0% |
| 12 | Scattered exotic annual grasses*, Ricinus communis* | 1-10% | Schoenoplectus (Scirpus) sp. | <1% | Lemna - duckweed | 0% |
| 13 | Apium graveolens*, Carex sp., Ehrharta erecta*, Festuca perennis (Lolium perenne)*, Malva parviflora*, Medicago polymorpha*, Pennisetum setacum*, Pseudognaphalium luteoalbum, Ricinus communis*, Sonchus sp.* | >10-30% | Eleocharis sp., Epilobium ciliatum, Nasturtium officinale*, Juncus mexicanus, Schoenoplectus (Scirpus) sp. (on west bank), Typha sp. | <1% | Lemna - duckweed | 0% |
| 14 | Conium maculatum*, Cynodon dactylon*, Ricinus communis* | >50-75% | Eleocharis sp., Ludwigia peploides*, Nasturtium officinale*, Juncus sp., Schoenoplectus (Scirpus) acutus, S. americanus, Typha sp. (25%) | <1% | Lemna - duckweed | 0% |
| 15 | exotic annual grasses (incl. Cynodon dactylon)*, Ricinus communis* | >30-50% | Schoenoplectus (Scirpus) acutus, S. americanus, Typha sp., Ludwigia peploides* | <1% | Lemna - duckweed | 0% |
| 16 | Conium maculatum*, Digitaria ciliaris*, Ricinus communis* | >10-30% | Epilobium ciliatum, Ludwigia peploides* on edges of islands, Schoenoplectus (Scirpus) acutus, S. americanus, Typha sp. | 1-10% | Lemna - duckweed | 0% |
| 17 | Artemisia douglasiana, Carex sp., Conium maculatum*, Digitaria ciliaris*, Helianthus sp., Pennisetum setacum*, Ricinus communis*, Xanthium strumarium | >30-50% | Ludwigia peploides*, Schoenoplectus (Scirpus) acutus, Typha sp. | 0% | NA | 0% |
| 18 | Anagallis arvensis*, Bidens pilosa*, Carex sp., Conium maculatum*, Erodium spp.*, exotic annual grasses (incl. Cynodon dactylon, Digitaria ciliaris)* in openings, Galium parisiense*, Hirschfeldia incana*, Malva parviflora*, Marah macrocarpa, Medicago polymorpha*, Melilotus sp.*, Pennisetum setacum*, Phacelia sp., Plantago sp.*, Raphnus sativa*, Ricinus communis*, Silybum marianum*, Sonchus asper*, Xanthium strumarium | 1-10% | Schoenoplectus (Scirpus) acutus, S. americanus, Typha sp. (solid where no Arundo donax*), Ludwigia peploides* | 0% | NA | 0% |
| 19 | Ambrosia psilostachya, Carex sp., exotic annual grasses*, Passiflora incarnata*, Pennisetum setacum*, Ricinus communis*, Sonchus sp.*, Xanthium strumarium | >10-30% | Schoenoplectus (Scirpus) acutus, S. americanus , Typha sp., Ludwigia peploides* | 0% | NA | 0% |
| 20 | Artemisia douglasiana, Conium maculatum*, Digitaria ciliaris*, Pennisetum setacum*, Ricinus communis*, helianthus, juncus | >30-50% | Ludwigia peploides, Schoenoplectus (Scirpus) acutus, Typha sp. | 0% | NA | >75-100% |
| 21 | exotic annual grasses*, Erodium spp.* | 1-10% | Ludwigia peploides, Schoenoplectus (Scirpus) acutus, Typha sp. | 0% | NA | 0% |
| 22 | Scattered exotic annual grasses*, Conium maculatum*, Ricinus communis* | 0% | NA | 0% | NA | 1-10% |
| 23 | Conium maculatum*, exotic annual grasses (incl. Ehrharta erecta)*, Eschscholzia sp., Hirschfeldia incana*, Lupinus succulentus, Pennisetum setacum* dominant, Pseudognaphalium luteoalbum, Rafinesquia californica, Stipa pulchra | 0% | NA | 0% | NA | 1-10% |
| 24 | Erodium spp.*, exotic annual grasses (Ehrharta erecta)*, Lupinus succulentus, Malva parviflora*, Mesembryanthemum crystallinum*, Pennisetum setacum*, Ricinus communis*, Sonchus sp., Vitis sp.* | 0% | NA | 0% | NA | 0% |
| 25 | Bidens pilosa*, Erodium spp.*, exotic annual grasses (incl. Cynodon dactylon)*, Malva parviflora*, Pennisetum setacum*, Raphnus sativa*, Sonchus sp.*, Stipa milliacea* | 0% | NA | 0% | NA | 0% |
| 26 | Bidens pilosa*, Calystegia macrostegia*, Campsis radicans*, Chenopodium album*, Cochliasanthus caracalla*, Erodium spp.*, exotic annual grasses (Ehrharta erecta)*, Hedera canariensis*, Malva parviflora*, Mesembryanthemum crystallinum* | 0% | NA | 0% | NA | 1-10% |

Appendix F: Biota - Vegetation Mapping Unit Table of Attribute Data

| Map_Unit_ID | Herb Sp (*Denotes Invasive) | Emergent Cover (%) | Emergent Sp (*Denotes Invasive) | Floating Cover (%) | Floating Sp | Bare Ground Cover (%) |
|-------------|--|--------------------|------------------------------------|--------------------|-------------|-----------------------|
| 27 | Chenopodium album*, Erodium spp.*, exotic annual grasses (incl. Ehrharta erecta)*, Lupinus succulentus, Malva parviflora* | 0% | NA | 0% | NA | 1-10% |
| 28 | Datura wrightii, Erodium spp.*, exotic annual grasses (incl. Ehrharta erecta)*, Lupinus truncatus, Pennisetum setacum*, Plantago sp.*, Ricinus communis* | 0% | NA | 0% | NA | 1-10% |
| 29 | Various | 0% | NA | 0% | NA | 1-10% |
| 30 | Bromus diandra*, Hedera canariensis* | 0% | NA | 0% | NA | 1-10% |
| 31 | exotic annual grasses*, Centaurea melitensis | 0% | NA | 0% | NA | 1-10% |
| 32 | exotic annual grasses* | 0% | NA | 0% | NA | 1-10% |
| 33 | exotic annual grasses* | 0% | NA | 0% | NA | 1-10% |
| 34 | exotic annual grasses* | 0% | NA | 0% | NA | 1-10% |
| 35 | exotic annual grasses*, Centaurea melitensis | 0% | NA | 0% | NA | 1-10% |
| 36 | exotic annual grasses* | 0% | NA | 0% | NA | 1-10% |
| 37 | Cynodon dactylon* (grass lawn), Hedera canariensis* | 0% | NA | 0% | NA | 0% |
| 38 | Eriogonum faciculatum*, exotic annual grasses (Avena spp.)*, Malva parviflora* | 0% | NA | 0% | NA | 0% |
| 39 | Erodium spp.*, exotic annual grasses*, puncture vine | 0% | NA | 0% | NA | 0% |
| 40 | Erodium spp.*, Hedera canariensis*, Malva parviflora*, Pennisetum setacum*, puncture vine | 0% | NA | 0% | NA | 0% |
| 41 | exotic annual grasses*, Pennisetum setacum*, Salsola tragus* | 0% | NA | 0% | NA | 1-10% |
| 42 | lawn, various | 0% | NA | 0% | NA | 1-10% |
| 43 | exotic annual grasses* | 0% | NA | 0% | NA | 1-10% |
| 44 | exotic annual grasses* | 0% | NA | 0% | NA | 1-10% |
| 45 | Bromus diandra*, Hedera canariensis* | 0% | NA | 0% | NA | >10-30% |
| 46 | exotic annual grasses* | 0% | NA | 0% | NA | >10-30% |
| 47 | exotic annual grasses* | 0% | NA | 0% | NA | >10-30% |
| 48 | exotic annual grasses* | 0% | NA | 0% | NA | >10-30% |
| 49 | exotic annual grasses*, Pennisetum setacum* | 0% | NA | 0% | NA | >10-30% |
| 50 | NA | 0% | NA | 0% | NA | >10-30% |
| 51 | NA | 0% | NA | 0% | NA | 0% |
| 52 | NA | 0% | NA | 0% | NA | 0% |
| 53 | NA | 0% | NA | 0% | NA | 0% |
| 54 | NA | 0% | NA | 0% | NA | 0% |
| 55 | NA | 0% | NA | 0% | NA | 0% |
| 56 | NA | 0% | NA | 0% | NA | 0% |
| 57 | NA | 0% | NA | 0% | NA | 0% |
| 58 | NA | 0% | NA | 0% | NA | 0% |
| 59 | NA | 0% | NA | 0% | NA | 0% |
| 60 | NA | 0% | NA | 0% | NA | 0% |
| 61 | exotic annual grasses* | 0% | NA | 0% | NA | >75-100% |
| 62 | NA | 0% | NA | 0% | NA | >75-100% |
| 63 | NA | 0% | NA | 0% | NA | >75-100% |
| 64 | NA | 0% | NA | 0% | NA | >75-100% |
| 65 | NA | 0% | NA | 0% | NA | >75-100% |
| 66 | NA | 0% | NA | 0% | NA | >75-100% |
| 67 | NA | 0% | NA | 0% | NA | >75-100% |
| 68 | NA | 0% | NA | 0% | NA | >75-100% |

Appendix G

Biota - Plant Species List by Vegetation Mapping Unit Polygon

| OUTSIDE OF CHANNEL VEGETATION COMMUNITIES | | | Revegetated with Coastal Sage Scrub Shrubs: | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Urban Landscaping: | | | | | | | | | | | | | | | | | | | | | | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Urban Park: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Giant Reed/Mulefat: | | | | | | | | | | | | | | | | | | | | | | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IN-CHANNEL VEGETATION COMMUNITIES | | | Giant Reed/Black Willow with Emergent Vegetation: | | | | | | | | | | | | | | | | | | | | | | | X | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

| OUTSIDE OF CHANNEL VEGETATION COMMUNITIES | | | Revegetated with Coastal Sage Scrub Shrubs: | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | Urban Landscaping: | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Urban Park: | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Giant Reed/Mulefat: | | | | | | | | | | | | | | | | | | | | | | | | |
| IN-CHANNEL VEGETATION COMMUNITIES | | | Giant Reed/Black Willow with Emergent Vegetation: | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Giant Reed: | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Emergent Vegetation with Giant Reed/Black Willow: | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Concrete/Grouted Rock Slope Bank with Exotics: | | | | | | | | | | | | | | | | | | | | | | | | |
| Scientific Name *=Non-Native | | | Mapping Unit Polygons: | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| Cyperus sp.* | flatsedge | annual herb | X | X | | | X | | | | | | X | | | | X | | | | | | | | | | |
| Datura wrightii | jimsonweed | perennial herb | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Digitaria ciliaris* | southern crabgrass | annual grass | | | X | X | X | | X | X | X | | X | X | | | | X | X | X | | X | | X | | | |
| Echium candicans* [Invasive] | pride of Madeira | shrub | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Ehrharta erecta* [Invasive] | upright veldt grass | perennial grass | X | X | | | X | | | | | | | X | | | | | | | | | | | X | X | |
| Eleocharis parishii | Parish's spikerush | perennial herb | X | X | X | X | | | | | | | | X | X | | | | | | | | | | | | |
| Elymus glaucus | Blue wildrye | perennial grass | | | | | | | | | | | | | | | | | | X | | | | | | | |
| Encelia californica | bush sunflower | shrub | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Epilobium ciliatum | northern willow herb | perennial herb | X | X | X | X | X | X | | | | | | | X | X | X | X | X | | | | | | | | |
| Erigeron bonariensis* | flax-leaved horseweed | annual herb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Erigeron canadensis | Canada horseweed | annual herb | | | | | X | | | | | | X | X | | | | | | | | | | | | | |
| Eriodictyon californicum | California yerba santa | shrub | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Eriogonum fasciculatum var. fasciculatum | California buckwheat | shrub | | | | | X | | | | | | | | | | | | | | | | | | X | | |
| Erodium cicutarium* [Invasive] | red stemmed filaree | annual herb | | | | | | X | X | X | X | | | | | | | | | x | | | | X | X | | |
| Erodium sp.* [Invasive] | filaree | annual herb | | | | | | | | | | | | | | | | | | | | | | | | X | X |
| Eschscholzia sp. | poppy | annual, perennial herb | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Eucalyptus sp.* [Invasive] | eucalyptus | tree | | | | | X | | | | | | | | | | | | | X | X | | | X | | | X |
| Ficus carica* [Invasive] | common fig | tree | X | X | | | | | | | | | | X | X | X | | | | | | | | | | | |
| Ficus pumila* [Invasive] | creeping fig | vine | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Ficus sp. tree* [Invasive] | figus tree | tree | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Foeniculum vulgare* [Invasive] | sweet fennel | perennial herb | X | X | | | | | | | | | | | | | | | | X | | | | | | | |
| Frangula californica | California coffeeberry | shrub | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fraxinus uhdei* | Shamel ash | tree | X | | | | X | | | | | | | | X | | | | X | X | | | | | | | X |
| Galium aparine | common bedstraw | annual herb | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Hedera canariensis* [Invasive] | Algerian ivy | vine | | | | | | | | | | | | | | | | | | | | | | | | | |
| Helianthus annuus | common sunflower | annual herb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Helianthus sp.* | sunflower | perennial herb | | | X | | X | | | | | | | | | | | | | | | | | | | | |
| Hesperoyucca whipplei | chaparral yucca | shrub | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Heteromeles arbutifolia | toyon | shrub | | | | | | | | | | | | | | | | | | | | | | | X | X | X |
| Heterotheca grandiflora | telegraph weed | annual, perennial herb | X | X | | | | | | | | | | | | | | | | | | | X | X | | | |
| Hirschfeldia incana* [Invasive] | short podded mustard | perennial herb | | | | | X | | | X | X | | | | | | | | X | | | | | X | | | |
| Jacaranda mimosifolia* | black poui | tree | | | | | | | | | | | | | | | | | | X | | | | | | | |
| Juglans californica | California walnut | tree | | | | | | | | | | | | | | | | | | | | | | X | | | |
| Juglans X sp | black walnut cross | shrub | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Juncus effusus | common bog rush | perennial herb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Juncus mexicanus | Mexican rush | perennial herb | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Koelreuteria elegans* | golden rain tree | tree | | | | | | | | | | | | | | | | | | | | | | | | | |

Appendix G : Biota - Plant Species List by Vegetation Mapping Unit Polygon

| OUTSIDE OF CHANNEL VEGETATION COMMUNITIES | | | Revegetated with Coastal Sage Scrub Shrubs: | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | Urban Landscaping: | | | | | | | | | | | | | | | | | | | | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Urban Park: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Giant Reed/Mulefat: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IN-CHANNEL VEGETATION COMMUNITIES | | | Giant Reed/Black Willow with Emergent Vegetation: | | | | | | | | | | | | | | | | | | | | | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | | X | | |

Appendix G : Biota - Plant Species List by Vegetation Mapping Unit Polygon

[illegible]

Appendix G : Biota - Plant Species List by Vegetation Mapping Unit Polygon

[illegible]

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[illegible]

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| OUTSIDE OF CHANNEL VEGETATION COMMUNITIES | Revegetated with Coastal Sage Scrub Shrubs: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | Urban Landscaping: | | x | x | x | x | x | x | x | x | x | x | x | x | x | | | | | | | | | | | | | |
| | Urban Park: | | | | | | | | | | | | | | | x | x | x | x | x | x | x | x | x | x | x | x | x |
| | Giant Reed/Mulefat: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IN-CHANNEL VEGETATION COMMUNITIES | Giant Reed/Black Willow with Emergent Vegetation: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Giant Reed: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Emergent Vegetation with Giant Reed/Black Willow: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Concrete/Grouted Rock Slope Bank with Exotics: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scientific Name *=Non-Native | Common Name | Plant Life-Form | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | |
| <i>Plantago major</i> * | common plantain | perennial herb | | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Platanus occidentalis</i> * | American sycamore | tree | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| <i>Platanus racemosa</i> | western sycamore | tree | | X | | X | X | | | X | | | X | X | X | X | X | | X | | | X | X | X | X | | X | |
| <i>Plumbago auriculata (cultivar)</i> * | sky flower | perennial herb | X | | | | | | X | | | | | | | | | | | | | | | | | | | |
| <i>Podocarpus macrophyllus</i> * | shrubby podocarpus | shrub | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Populus fremontii</i> | Fremont's cottonwood | tree | X | X | | X | X | | | | X | | X | | | X | X | | | | | X | | | | | | |
| <i>Prunus ilicifolia</i> | holly leaf cherry | shrub, tree | | | | | | | | X | | | | | | X | | | | | | | | | | | | |
| <i>Pseudognaphalium biolettii</i> | two-color rabbit-tobacco | perennial herb | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| <i>Pseudognaphalium luteoalbum</i> * | Jersey cudweed | annual herb | | | | | | | | | | | | | | | | X | | | | | | | | X | | |
| <i>Pseudognaphalium sp.</i> | cudweed | perennial herb | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Punica granatum</i> * | pomegranate | shrub | | | | | | | X | X | | | | | | | | | | | | | | | | | | |
| <i>Pyracantha sp.</i> * | firethorn | shrub | X | | | | | | | | X | | | | | | | | | | | | | | | | | |
| <i>Quercus agrifolia</i> | coast live oak | tree | | X | X | X | X | | X | | | | X | | X | X | X | | X | | | X | | | | | | |
| <i>Quercus lobata</i> | valley oak | tree | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| <i>Rafinesquia californica</i> | California chicory | annual herb | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Raphanus sativus</i> * [Invasive] | wild radish | annual herb | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Rhus ovata</i> | sugarbush | shrub | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| <i>Ribes speciosum</i> | fuchsia flowered gooseberry | shrub | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| <i>Ricinus communis</i> * [Invasive] | castor bean | shrub | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Romneya coulteri</i> | Coulter's matilija poppy | perennial herb | | | | X | | | | | | | | | | X | | | | | | | | | | | | |
| <i>Rosa californica</i> | California wild rose | shrub | | | | | | | | | | | | | X | X | X | | | | | | | | | | | |
| <i>Rubus ursinus</i> | California blackberry | shrub, vine | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| <i>Rumex crispus</i> * [Invasive] | curly dock | perennial herb | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Salix gooddingii</i> | black willow | tree | | X | X | | | | | | | | | | | X | | | | | | | | | | | | |
| <i>Salix laevigata</i> | red willow | tree | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Salix lasiandra</i> | Pacific willow | tree | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| <i>Salix lasiolepis</i> | Arroyo willow | tree | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Salsola tragus</i> * [Invasive] | Russian thistle | annual herb | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| <i>Salvia apiana</i> | white sage | shrub | | | | | | | | | | | | | | X | | X | | | | | | | | | | |
| <i>Salvia leucophylla</i> | purple sage | shrub | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| <i>Salvia mellifera</i> | black sage | shrub | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| <i>Sambucus nigra ssp. caerulea</i> | blue elderberry | shrub, tree | | X | X | | X | X | X | | | | | | X | X | | X | | | | | | | | | | |
| <i>Samubucus sp.</i> | elderberry | tree | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Schinus terebinthifolius</i> * [Invasive] | Brazilian peppertree | tree | X | | | X | | | X | X | X | | X | | | X | | | | | | | | | | | | |
| <i>Schoenoplectus acutus</i> | tule | perennial herb | | | | X | | | | | | | | | | | | | | | | | | | | | | |
| <i>Schoenoplectus americanus</i> | three-square bulrush | perennial herb | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Schoenoplectus sp.</i> | bulrush | perennial herb | | | | | | | | | | | | | | | | | X | | | | | | | | | |

Appendix G : Biota - Plant Species List by Vegetation Mapping Unit Polygon

[illegible]