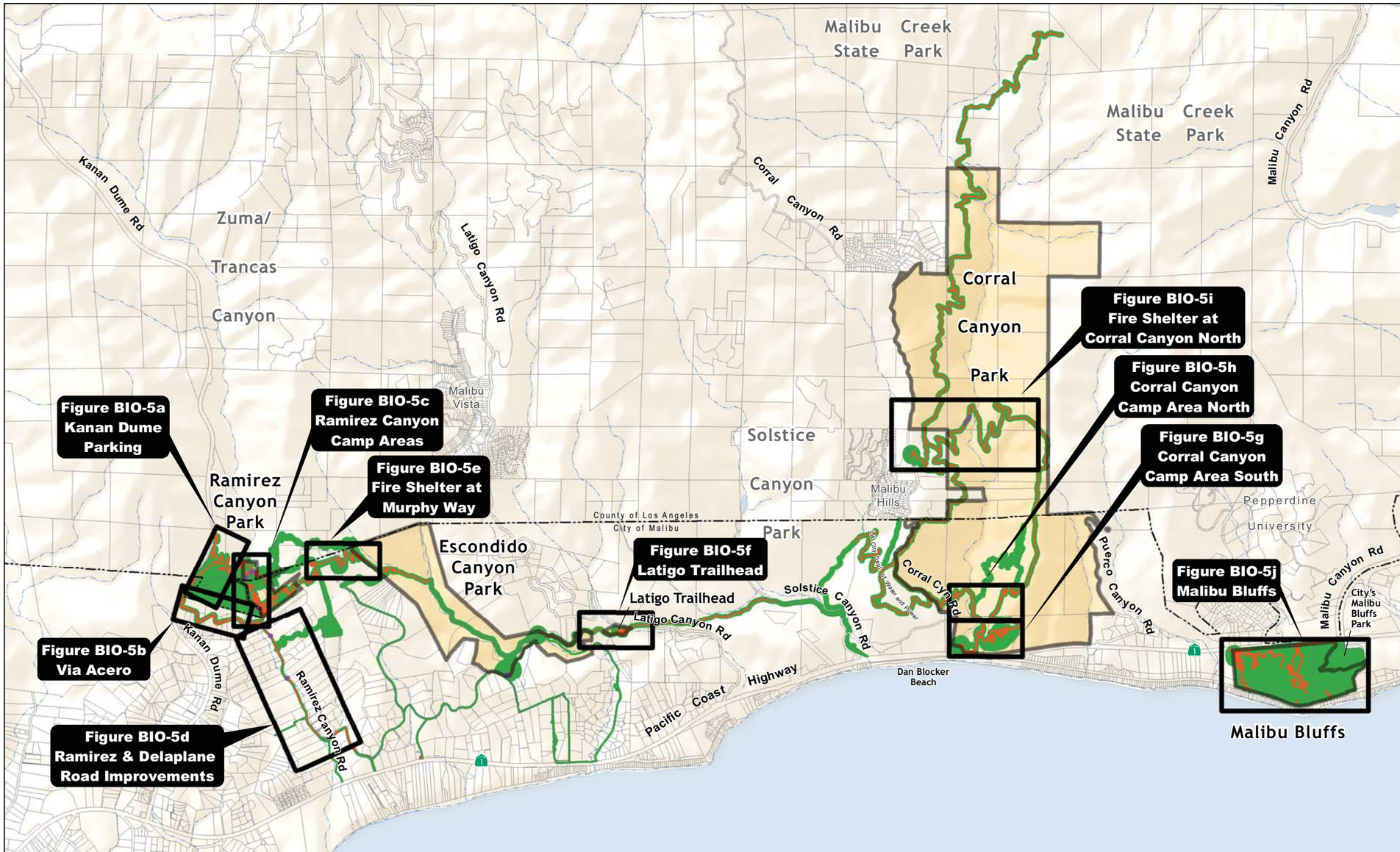


N

0 1,000 2,000 4,000 Feet

Malibu City Limits

Biological Survey Area

Special-Status Plants with Impacts

Proposed Impacts

Proposed Facility Improvements

Proposed Trail Improvements

Legend for Vegetation Codes

Sensitive Vegetation (labeled in bold)

ABW - Ashyleaf buckwheat
AW - Southern Arroyo Willow Riparian
BLMM-CC - Birchleaf Mountain Mahogany - Chamise
BMA - Chaparral Bushmallow Scrub
BPC-BS - Bigpod Ceanothus - Black Sage
BPC-LS - Bigpod Ceanothus - Laurel Sumac
BPCC - Bigpod Ceanothus Chaparral
BPS-BLMM - Bigpod Ceanothus - Birchleaf Mountain-mahogany Chaparral
BS - Black Sage Scrub
BS-CES - Black Sage - California Encelia
BS-LS - Black Sage - Laurel Sumac
CC - Chamise Chaparral
CC-BS - Chamise - Black Sage
CES - California Encelia Scrub
CES-ABW - California Encelia - Ashyleaf Buckwheat
CES-CSB - California Encelia - California Sagebrush
CFWM - Coastal And Valley Freshwater Marsh
CLO-CWW - Coast Live Oak - California Walnut
CLO/CSB/G - Coast Live Oak / California Sagebrush / Grass
CLO/TOY-POS - Coast Live Oak / Toyon - Poison Oak
CLOW - Coast Live Oak
CSB - California Sagebrush
CSB-ABW - California Sagebrush - Ashyleaf Buckwheat
CSB-BS - California Sagebrush Scrub - Black Sage
CSB/GWR - California Sagebrush / Giant Wild Rye
CSY-CLO - Western Sycamore - Coast Live Oak
CWW - California Walnut Woodland
CYS - Coyote Brush / Annual Grasses
CYS-CSB - Coyote Brush - California Sagebrush
CYS-MFS - Coyote Brush Scrub - Mulefat Scrub
DW - Deerweed
GBC - Greenbark Ceanothus Scrub
GRG - Giant Reed
GWR - Giant Wild Rye
LS - Laurel sumac scrub
LS-ABW - Laurel sumac / ashyleaf buckwheat
LS-BMA - Laurel Sumac / Chaparral Bushmallow
LS-BS - Laurel sumac / Black sage
LS-CSB - Laurel sumac / California sagebrush
OC - Open Channel
OW - Open Water
PNG - Purple Needlegrass
PS - Purple Sage Scrub
PS-CSB - Purple Sage - California Sagebrush
RW-AW - Red Willow / Arroyo Willow
SOC - Scrub Oak
SS - Sumac Scrub
SWS - Southern Willow Scrub
bABW - Burned Ashyleaf buckwheat
dABW - Disturbed Ashyleaf buckwheat
dBLMM-CC - Disturbed Birchleaf Mountain Mahogany - Chamise
dBMA - Disturbed Chaparral Bushmallow scrub
dCC - Disturbed Chamise Chaparral
dCLOW - Disturbed Coast Live Oak
dCSB - Disturbed California Sagebrush
dCSB-BS - Disturbed California Sagebrush / Giant Wild Rye
dCSB/GWR - Disturbed California Sagebrush Scrub - Black Sage
dCYS - Disturbed Coyote Brush / Annual Grasses
dCYS-CSB - Disturbed Coyote Brush - California Sagebrush
dDW - Disturbed Deerweed
dGBC - Disturbed Greenbark Ceanothus Scrub
dLS - Disturbed Laurel sumac scrub
dLS-ABW - Disturbed Laurel sumac / ashyleaf buckwheat
dLS-BMA - Disturbed Laurel sumac - chaparral bushmallow
dLS-BS - Disturbed Laurel sumac / Black sage
dLS-CSB - Disturbed Laurel sumac / California sagebrush
dPNG - Disturbed Purple Needlegrass
dPS - Disturbed Purple Sage Scrub
dPS-CSB - Disturbed Purple Sage - California Sagebrush

Other (labeled in italics)

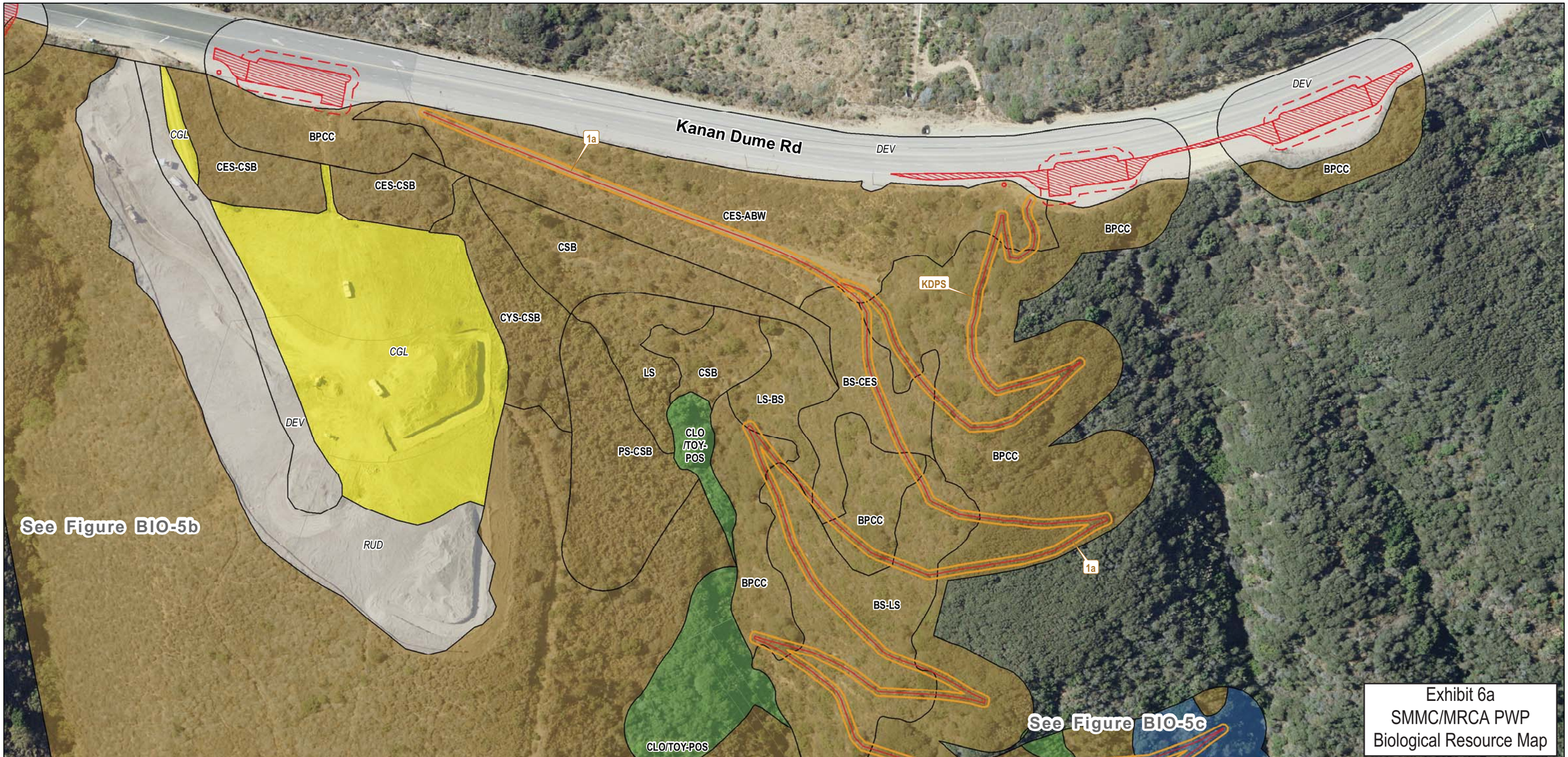
CGL - California Annual Grassland
DEV - Developed
DL - Disturbed Land
EUC - Eucalyptus
GCW - Geraldton carnation weed (Euphorbia terracina)
MFS - Mulefat Scrub
NNG - Non-Native Grassland
ORN - Ornamental
POS - Poison Oak Scrub
RUD - Ruderal

Exhibit 6
SMMC/MRCA PWP
Biological Resource Map

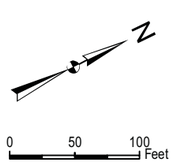
Impacts to Biological Resources - Index Map

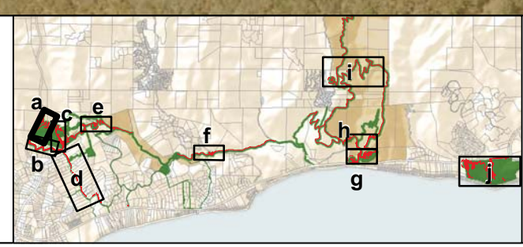
DUDEK

Malibu Parks Public Access Enhancement Plan Public Works Plan



SOURCE: Penfield & Smith 2010





Impacts

- Proposed Facility
- Fuel Modification Buffer
- 10 foot Trail Corridor

Vegetation Communities

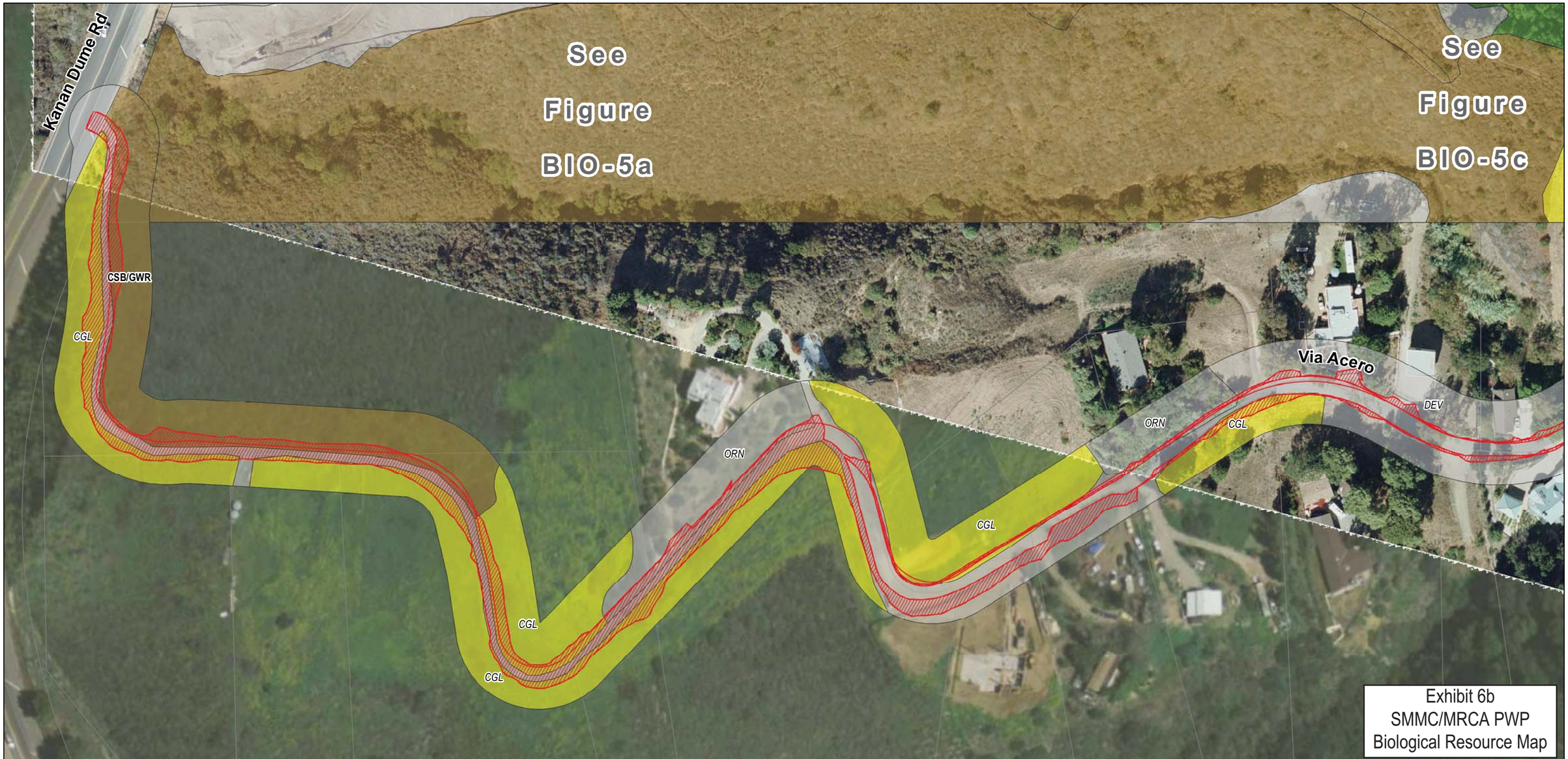
- Agriculture, Developed, or Disturbed
- Scrub and Chaparral
- Grass and Herb Dominated Communities
- Bog and Marsh
- Riparian and Bottomland Habitat
- Broad Leafed Upland Tree Dominated

Sensitive Vegetation - labeled in BOLD
Other - labeled in Italics

Impacts to Biological Resources - Kanan Dume Parking

DUDEK

Malibu Parks Public Access Enhancement Plan Public Works Plan



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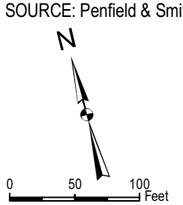
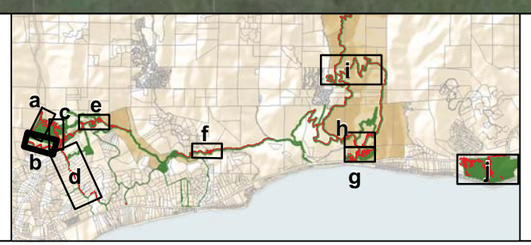




Impacts

- Proposed Facility
- Fuel Modification Buffer
- 10 foot Trail Corridor

Vegetation Communities

- Agriculture, Developed, or Disturbed
- Scrub and Chaparral
- Grass and Herb Dominated Communities
- Bog and Marsh
- Riparian and Bottomland Habitat
- Broad Leafed Upland Tree Dominated

Sensitive Vegetation - labeled in BOLD
Other - labeled in Italics

Impacts to Biological Resources - Via Acero

DUDEK

Malibu Parks Public Access Enhancement Plan Public Works Plan

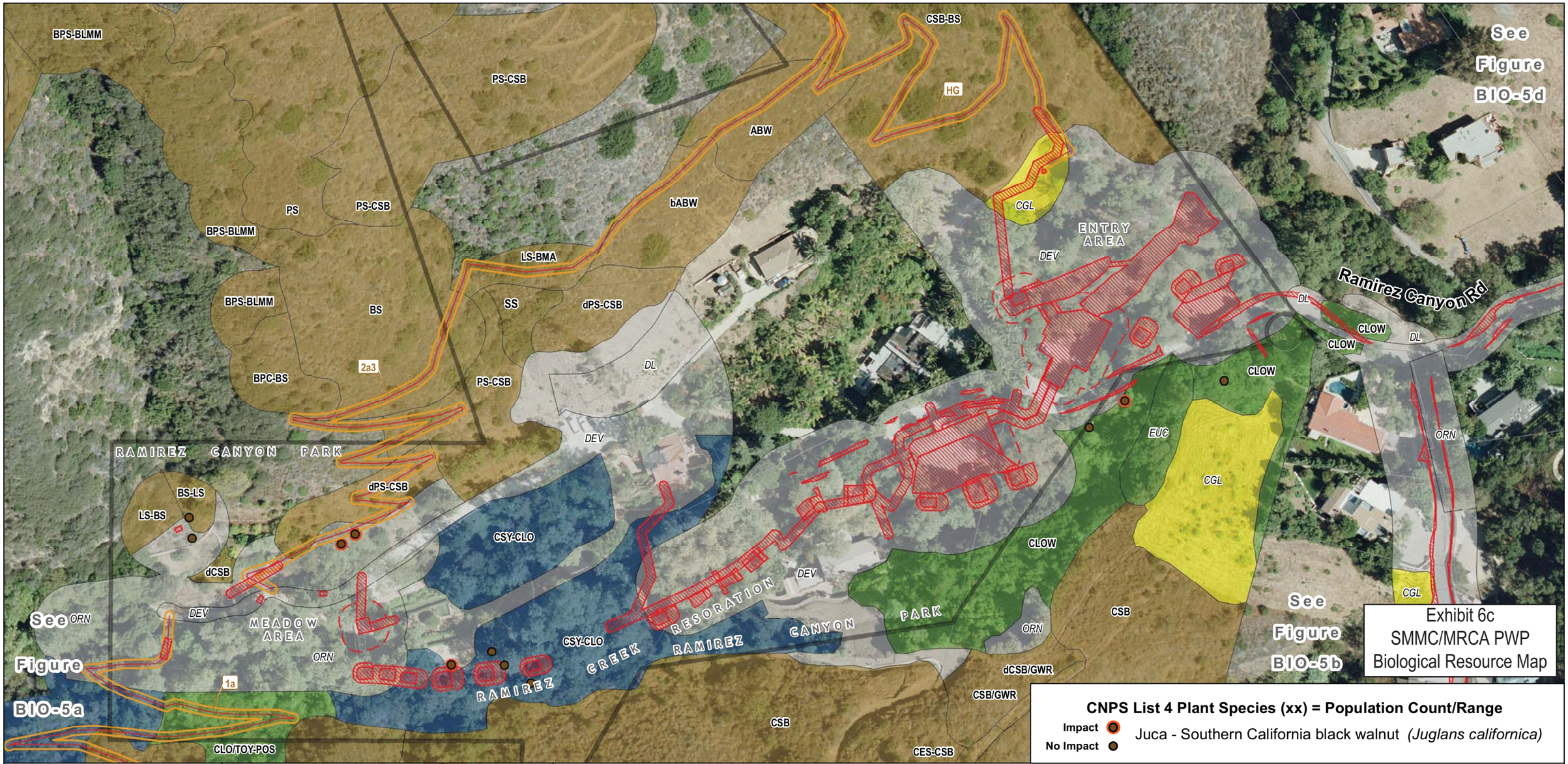


Exhibit 6c
SMMC/MRCA PWP
Biological Resource Map

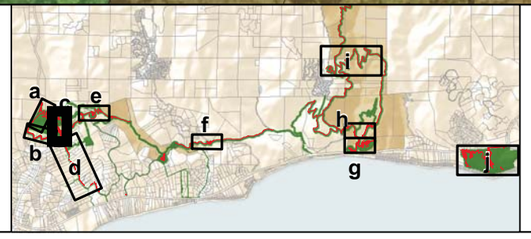
CNPS List 4 Plant Species (xx) = Population Count/Range

Impact
No Impact
Juca - Southern California black walnut *(Juglans californica)*

SOURCE: Penfield & Smith 2010

N

0 50 100 Feet



Impacts

- Proposed Facility
- Fuel Modification Buffer
- 10 foot Trail Corridor
- Temporary Impact

Vegetation Communities

- Agriculture, Developed, or Disturbed
- Scrub and Chaparral
- Grass and Herb Dominated Communities
- Bog and Marsh
- Riparian and Bottomland Habitat
- Broad Leafed Upland Tree Dominated

Sensitive Vegetation - labeled in BOLD
Other - labeled in Italics

Impacts to Biological Resources - Ramirez Canyon - Meadow and Entry Areas

DUDEK

Malibu Parks Public Access Enhancement Plan Public Works Plan

Exhibit 6d
SMMC/MRCA PWP
Biological Resource Map

Ramirez Canyon Rd

Delaplane Rd

ORN
DEV
CGL
CLOW
EUC
OC
CSY-CLO

CNPS List 4 Plant Species (xx) = Population Count/Range

Impact Juca - Southern California black walnut *(Juglans californica)*

SOURCE: Penfield & Smith 2010

0 100 200 Feet

a b c d e f g h i j

Impacts

Road Improvements

Vegetation Communities

Agriculture, Developed, or Disturbed

Scrub and Chaparral

Grass and Herb Dominated Communities

Bog and Marsh

Riparian and Bottomland Habitat

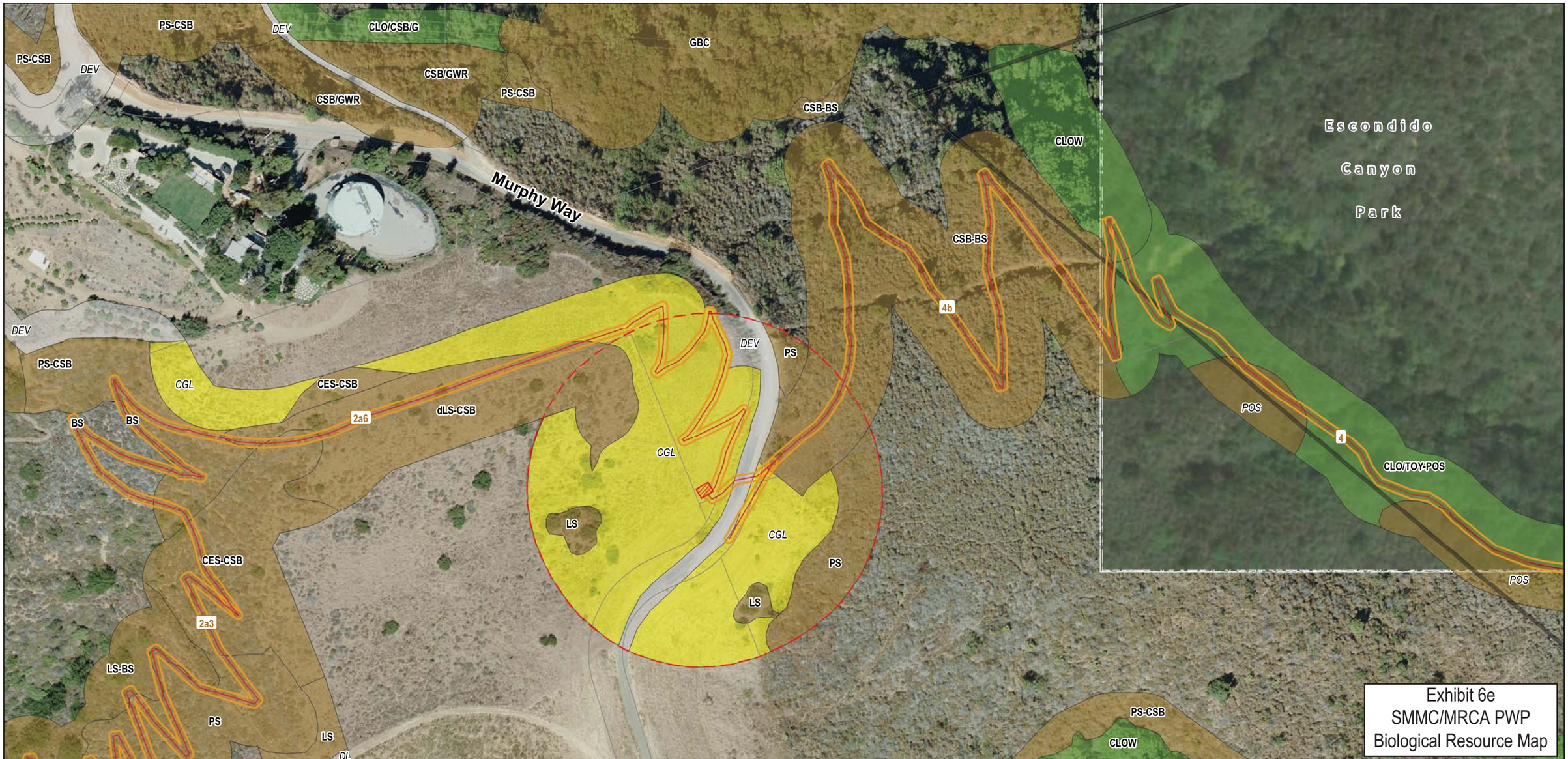
Broad Leafed Upland Tree Dominated

Sensitive Vegetation - labeled in BOLD
Other - labeled in Italics

Impacts to Biological Resources - Ramirez and Delaplane Road Improvements

DUDEK

Malibu Parks Public Access Enhancement Plan Public Works Plan



SOURCE: Penfield & Smith 2010

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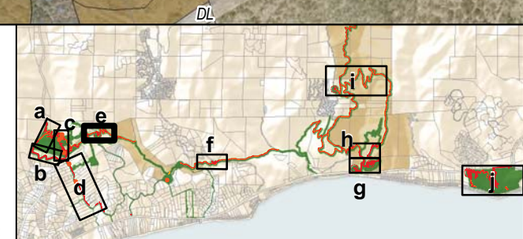
0 100 200 Feet



Impacts

- Proposed Facility
- Fuel Modification Buffer
- 10 foot Trail Corridor

Vegetation Communities

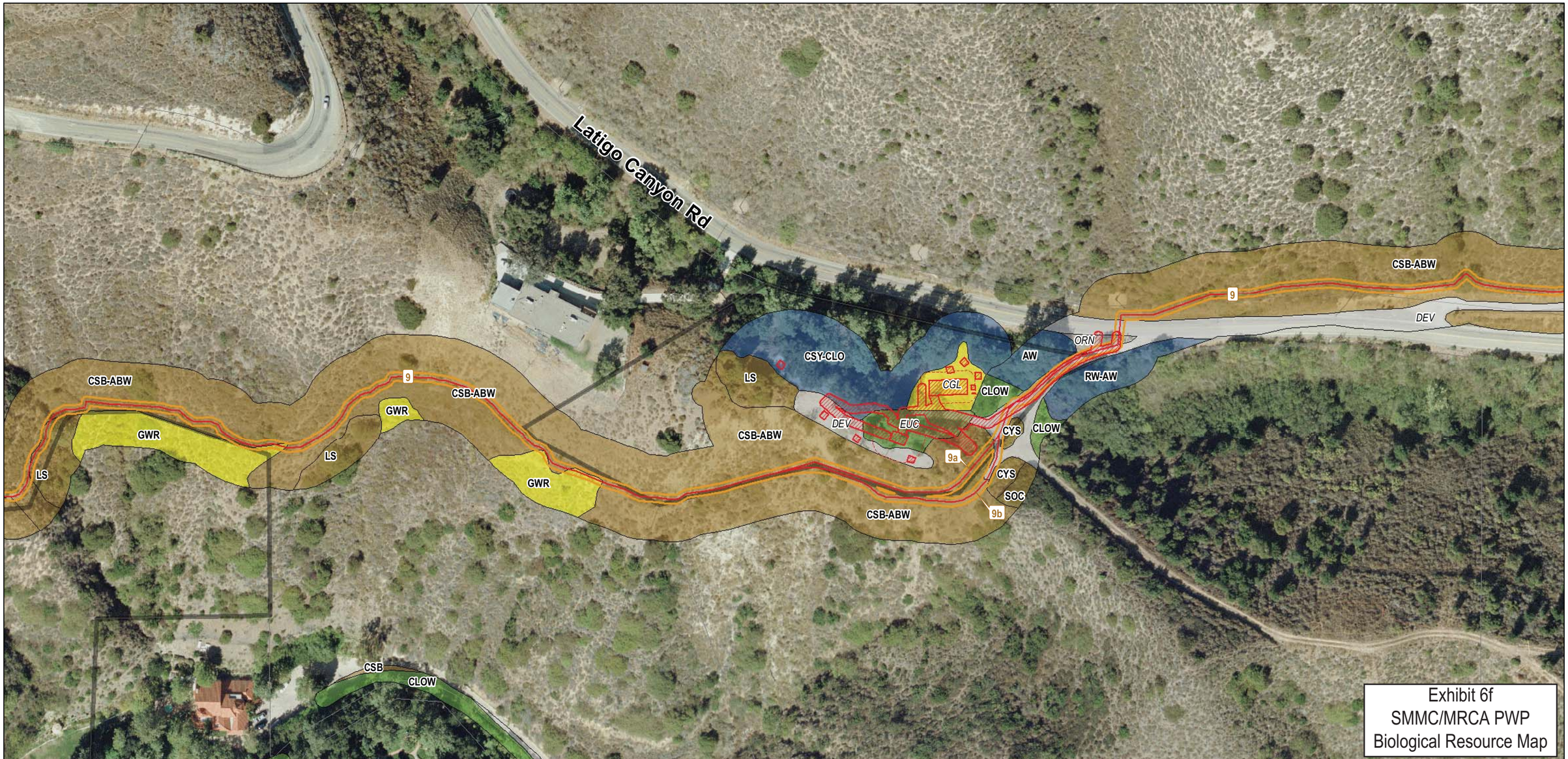
- Agriculture, Developed, or Disturbed
- Scrub and Chaparral
- Grass and Herb Dominated Communities
- Bog and Marsh
- Riparian and Bottomland Habitat
- Broad Leafed Upland Tree Dominated

Sensitive Vegetation - labeled in BOLD
Other - labeled in Italics

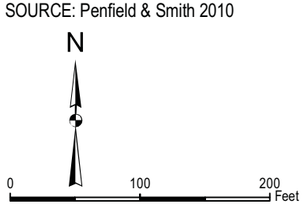
Impacts to Biological Resources - Fire Shelter at Murphy Way

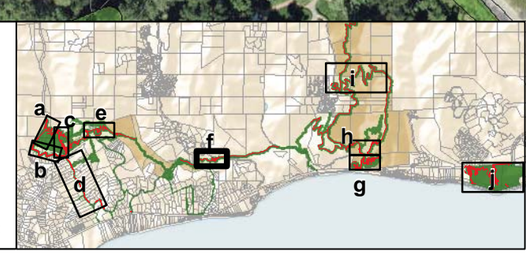
DUDEK

Malibu Parks Public Access Enhancement Plan Public Works Plan



SOURCE: Penfield & Smith 2010





Impacts

- Proposed Facility
- Fuel Modification Buffer
- 10-foot Trail Corridor

Vegetation Communities

- Agriculture, Developed, or Disturbed
- Scrub and Chaparral
- Grass and Herb Dominated Communities
- Bog and Marsh
- Riparian and Bottomland Habitat
- Broad Leafed Upland Tree Dominated

Sensitive Vegetation - labeled in BOLD
Other - labeled in Italics

Impacts to Biological Resources - Latigo Trailhead

DUDEK

Malibu Parks Public Access Enhancement Plan Public Works Plan

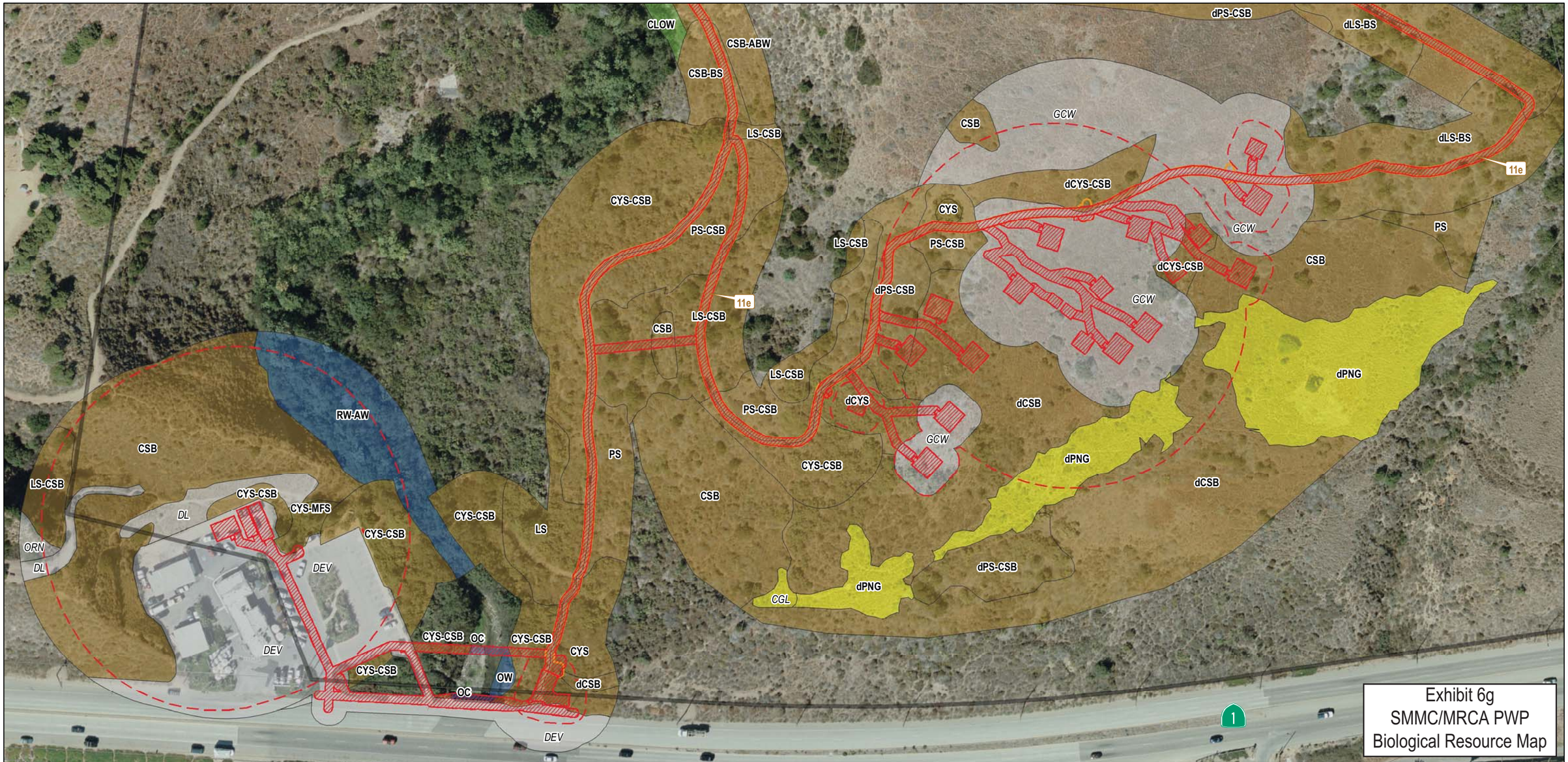
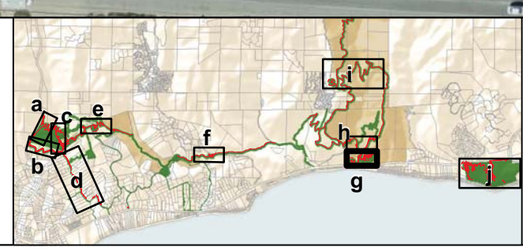


Exhibit 6g
SMMC/MRCA PWP
Biological Resource Map

SOURCE: Penfield & Smith 2010

N

0 100 200 Feet



Impacts

- Proposed Facility
- Fuel Modification Buffer
- 10-foot Trail Corridor

Vegetation Communities

- Agriculture, Developed, or Disturbed
- Scrub and Chaparral
- Grass and Herb Dominated Communities
- Bog and Marsh
- Riparian and Bottomland Habitat
- Broad Leafed Upland Tree Dominated

Sensitive Vegetation - labeled in BOLD
Other - labeled in Italics

Impacts to Biological Resources - Corral Canyon Camp Area South

DUDEK

Malibu Parks Public Access Enhancement Plan Public Works Plan

Caca (1-5)
PS-CSB
CWW
PS
CLOW
CYS-CSB
LS-CSB
POS
11a
CSY-CLO
CLOW
ORN
CSB-BS
CSB-ABW
11e
CSB
dCSB-BS
CSB-ABW
dPS-CSB
LS-CSB
CSB
dCSB
14
CGL
dCSB

CNPS List 4 Plant Species (xx) = Population Count/Range

No Impact
Caca - Catalina mariposa lily *(Calochortus catalinea)*

Exhibit 6h
SMMC/MRCA PWP
Biological Resource Map

SOURCE: Penfield & Smith 2010

N

0 100 200 Feet

a b c d e f g h i j

Impacts

- Proposed Facility
- Fuel Modification Buffer
- 10-foot Trail Corridor

Vegetation Communities

- Agriculture, Developed, or Disturbed
- Scrub and Chaparral
- Grass and Herb Dominated Communities
- Bog and Marsh
- Riparian and Bottomland Habitat
- Broad Leafed Upland Tree Dominated

Sensitive Vegetation - labeled in BOLD
Other - labeled in Italics

Impacts to Biological Resources - Corral Canyon Day Use Area North

DUDEK

Malibu Parks Public Access Enhancement Plan Public Works Plan

Exhibit 6i
SMMC/MRCA PWP
Biological Resource Map

CNPS List 4 Plant Species (xx) = Population Count/Range

No Impact — Caca - Catalina mariposa lily *(Calochortus catalinae)*

Impact — Caca - Catalina mariposa lily *(Calochortus catalinae)*

SOURCE: Penfield & Smith 2010

N

0 100 200 Feet

Impacts

- Proposed Facility
- Fuel Modification Buffer
- 10-foot Trail Corridor

Vegetation Communities

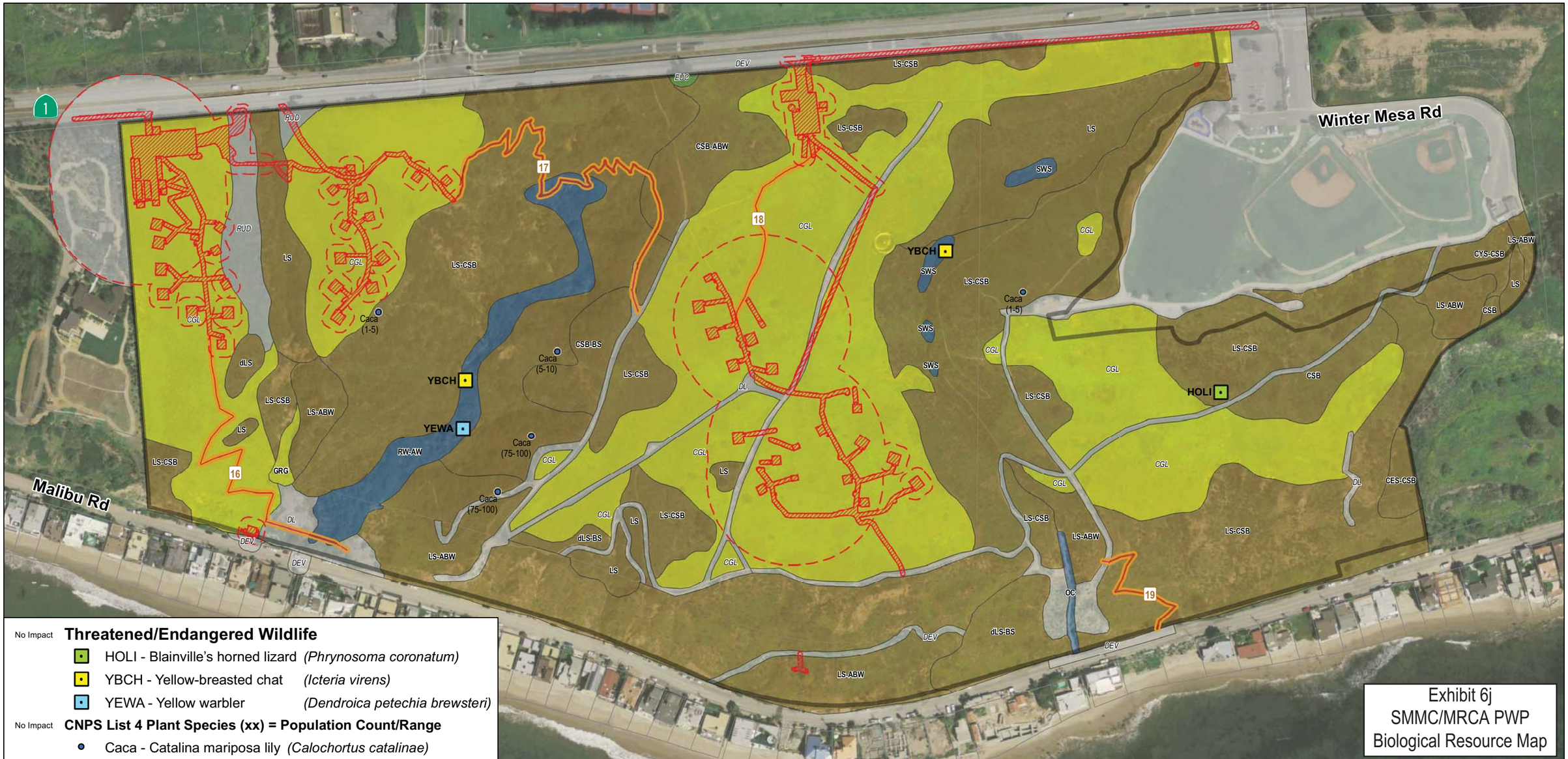
- Agriculture, Developed, or Disturbed
- Scrub and Chaparral
- Grass and Herb Dominated Communities
- Bog and Marsh
- Riparian and Bottomland Habitat
- Broad Leafed Upland Tree Dominated

Sensitive Vegetation - labeled in BOLD
Other - labeled in Italics

Impacts to Biological Resources - Fire Shelter at Corral Canyon North

DUDEK

Malibu Parks Public Access Enhancement Plan Public Works Plan



No Impact **Threatened/Endangered Wildlife**

- HOLI - Blainville's horned lizard *(Phrynosoma coronatum)*
- YBCH - Yellow-breasted chat *(Icteria virens)*
- YEWA - Yellow warbler *(Dendroica petechia brewsteri)*

No Impact **CNPS List 4 Plant Species (xx) = Population Count/Range**

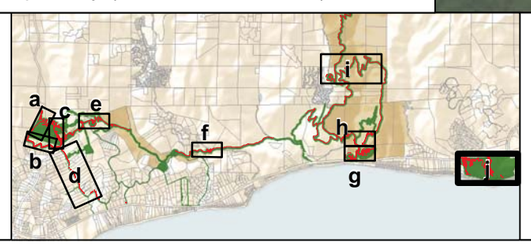
- Caca - Catalina mariposa lily *(Calochortus catalinae)*

Exhibit 6j
SMMC/MRCA PWP
Biological Resource Map

SOURCE: Penfield & Smith 2010

N

0 100 200 Feet



Impacts

- Impacts
- Fuel Modification Buffer
- 10-foot Trail Corridor

Vegetation Communities

- Agriculture, Developed, or Disturbed
- Scrub and Chaparral
- Grass and Herb Dominated Communities
- Bog and Marsh
- Riparian and Bottomland Habitat
- Broad Leafed Upland Tree Dominated

Sensitive Vegetation - labeled in BOLD
Other - labeled in Italics

Impacts to Biological Resources - Malibu Bluffs Conservancy Property

DUDEK

Malibu Parks Public Access Enhancement Plan Public Works Plan