

Figure 1



**PROJECT LOCATION MAP**

- Pasadena's Multi-Benefit Project
- IRWMP's Hahamongna Basin Multi Use Project "Basin Component"
- IRWMP's Hahamongna Basin Multi Use Project "Canyon Component"

- LA COUNTY FIRE CAMP 2
- EQUESTRIAN CENTER
  - HORSE BOARDING AREA
  - HORSE BOARDING STAGING AREA
  - HORSE BOARDING
  - YOUTH CAMP OPERATION
  - WRANGLERS RESIDENCE
- ENVIRONMENTAL EDUCATION CENTER
  - CONFERENCE FACILITY
  - ENVIRONMENTAL CLASSROOMS
  - DINING HALL
  - OUTDOOR CLASSROOM/GATHERING AREA
  - SITE MANAGER RESIDENCE & OFFICE
  - XERISCAPE GARDEN
  - DEMONSTRATION GARDENS
  - GROUP PICNIC AREA
  - ENVIRONMENTAL VOCATION CENTER
  - PARK MAINTENANCE FACILITY
  - NATIVE PLANT NURSERY CO-OP
- HABITAT ESTABLISHMENT & RESTORATION
  - COAST LIVE OAK WOODLAND
  - SOUTHERN WILLOW SCRUB
  - SAGE SCRUB
  - RIVERSIDEAN ALLUVIAL FAN SAGE SCRUB
  - MULE FAT SCRUB
  - SOUTHERN SYCAMORE RIPARIAN WOODLAND
  - STREAMBED RIPARIAN
- WATER CONSERVATION
  - WESTSIDE SPREADING BASINS\*
- SUPERVISED OVERNIGHT CAMPING AREA
  - IMPROVED PARKING AREAS
- WEST SIDE PARK ACCESS
  - PARK ENTRANCE AT FOOTHILL BLVD
  - OAK GROVE DRIVE IMPROVEMENTS
- OAK GROVE AREA
  - GROUP PICNIC SHADE SHELTERS
  - WEST SIDE PICNIC AMENITIES
  - OAK GROVE FIELD RESTROOM
  - FOOTHILL DRAIN IMPROVEMENTS
  - OUTDOOR AMPHITHEATER
  - MULTI-USE FIELD
  - DISC GOLF IMPROVEMENTS
  - EXPANDED PARKING AREA
- LA CANADA TRAIL
  - EQUESTRIAN PICNIC AREA
  - UPGRADE RESTROOM
  - WIDEN ACCESS ROAD
  - BERKSHIRE DRAIN IMPROVEMENTS
- PERIMETER TRAIL
- SUNRISE OVERLOOK
- BICYCLE ROUTE
- FLINT WASH BRIDGE
- DEVIL'S GATE DAM AREA
  - NEW PARKING AREA AT OBSERVATION DECK
  - EAST ACCESS (ENTRY) TO DAM
  - WEST ACCESS (EXIT) FROM DAM
  - CLOSE LA CANADA VEREDUGO ROAD
  - DAM KEEPERS QUARTERS & PUBLIC RESTROOM
  - FENCING AT DAM & OBSERVATION DECK FOR PUBLIC SAFETY



**ARROYO SECO CANYON**  
 REPLACE EXISTING CONCRETE DAM WITH INFLATABLE DAM AND ADJACENT FISH LADDER WITH LOW FLOW INTAKE  
 REPLACE AND IMPROVE INTAKE STRUCTURE INCLUDING FISH SCREENS  
 CONSTRUCT NEW PUBLIC RESTROOM WITH PARK AMENITIES

**GABRIELINO TRAIL AREA**  
 - CONVERT JPL PARKING TO PUBLIC PARKING\*  
 - NEW PUBLIC RESTROOM\*

**WATER CONSERVATION**  
 - EAST SIDE SPREADING BASINS\*  
 - ALTADENA DRAIN IMPROVEMENTS  
 - ALTACREST DRAIN IMPROVEMENTS\*

**SUNSET OVERLOOK**  
 - HABITAT RESTORATION  
 - IMPROVED PARKING  
 - TRAILHEAD IMPROVEMENTS

**WATER CONSERVATION**  
 - SEASONAL FLOOD MANAGEMENT  
 - WATER CONSERVATION POOL  
 - PUMP BACK SYSTEM\*  
 - OVERALL STORM DRAIN IMPROVEMENTS

**FLOOD MANAGEMENT**  
 - SEDIMENT & DEBRIS MANAGEMENT  
 - SEDIMENT REMOVAL ACCESS

**TRAIL DEVELOPMENT**  
 - PERIMETER TRAIL  
 - FLINT WASH BRIDGE CROSSING  
 - NORTH BRIDGE CROSSING  
 - EAST RIM TRAIL & CONNECTORS  
 - WEST RIM TRAIL & CONNECTORS  
 - DAM OBSERVATION TRAIL

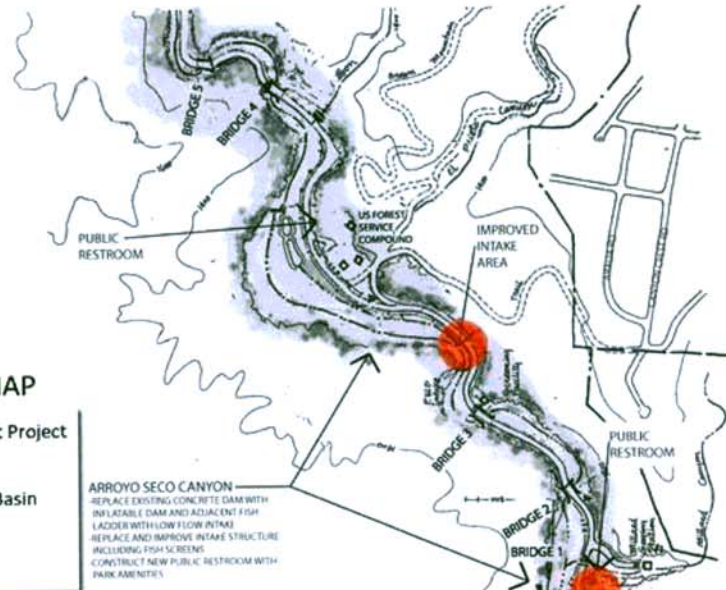
\* This project could impact NASA/JPL perchlorate clean-up and cannot proceed without NASA/JPL coordination.

Figure 2



PROJECT LOCATION MAP

- Pasadena's Multi-Benefit Project
- IRWMP's Hahamongna Basin Multi Use Project "Canyon Component"



- LA COUNTY FIRE CAMP 2**
- EQUESTRIAN CENTER**
  - TRAIL AREA & EQUESTRIAN STAGING AREA
  - HORSE BOARDING AREA
  - YOUTH CAMP OPERATION
  - WRANGLER RESIDENCE
- ENVIRONMENTAL EDUCATION CENTER**
  - CONFERENCE FACILITY
  - ENVIRONMENTAL CLASSROOMS
  - DINING HALL
  - OUTDOOR CLASSROOM/GATHERING AREA
  - SITE MANAGER RESIDENCE & OFFICE
  - KERSHIRE GARDEN
  - DEMONSTRATION GARDENS
  - GROUP PICNIC AREA
  - ENVIRONMENTAL VOCATION CENTER
  - PARK MAINTENANCE FACILITY
  - NATIVE PLANT NURSERY CO-OP
- HABITAT ESTABLISHMENT & RESTORATION**
  - COAST LIVE OAK WOODLAND
  - SOUTHERN WILLOW SCRUB
  - SAGE SCRUB
  - RIVERSIDEAN ALLUVIAL FAN SAGE SCRUB
  - MULE FAT SCRUB
  - SOUTHERN SYCAMORE RIPARIAN WOODLAND
  - STREAMBED RIPARIAN



- WATER CONSERVATION**
  - WESTSIDE SPREADING BASINS\*
- SUPERVISED OVERNIGHT CAMPING AREA**
  - IMPROVED PARKING AREAS
- WEST SIDE PARK ACCESS**
  - PARK ENTRANCE AT FOOTHILL BLVD
  - OAK GROVE DRIVE IMPROVEMENTS
- OAK GROVE AREA**
  - GROUP PICNIC SHADE SHELTERS
  - WEST SIDE PICNIC AMENITIES
  - OAK GROVE FIELD RESTROOM
  - FOOTHILL DRAIN IMPROVEMENTS
  - OUTDOOR AMPHITHEATER
  - MULTI-USE FIELD
  - DISC GOLF IMPROVEMENTS
  - EXPANDED PARKING AREA

- LA CANADA I.R.B.**
- EQUESTRIAN PICNIC AREA**
  - UPGRADE RESTROOM
  - WIDEN ACCESS ROAD
  - BERKSHIRE DRAIN IMPROVEMENTS

- PERIMETER TRAIL**
- SUNRISE OVERLOOK**
- BICYCLE ROUTE**
- FLINT WASH BRIDGE**
- DEVIL'S GATE DAM AREA**
  - NEW PARKING AREA AT OBSERVATION DECK
  - EAST ACCESS (ENTRY) TO DAM
  - WEST ACCESS (EXIT) FROM DAM
  - CLOSE LA CANADA-VERDUGO ROAD
  - DAM KEEPER'S QUARTERS & PUBLIC RESTROOM
  - FENCING AT DAM & OBSERVATION DECK FOR PUBLIC SAFETY

- WATER TREATMENT PLANT**
- GABRIELINO TRAIL AREA**
  - CONVERT JPL PARKING TO PUBLIC PARKING\*
  - NEW PUBLIC RESTROOM\*
- NORTH PERIMETER TRAIL BRIDGE CROSSING**
- WATER CONSERVATION**
  - EAST SIDE SPREADING BASINS\*
  - ALTADENA DRAIN IMPROVEMENTS
  - ALTACREST DRAIN IMPROVEMENTS\*
- SUNSET OVERLOOK**
  - HABITAT RESTORATION
  - IMPROVED PARKING
  - TRAILHEAD IMPROVEMENTS

- WATER CONSERVATION**
  - SEASONAL FLOOD MANAGEMENT
  - WATER CONSERVATION POOL
  - PUMP BACK SYSTEM\*
  - OVERALL STORM DRAIN IMPROVEMENTS
- FLOOD MANAGEMENT**
  - SEDIMENT & DEBRIS MANAGEMENT
  - SEDIMENT REMOVAL ACCESS
- TRAIL DEVELOPMENT**
  - PERIMETER TRAIL
  - FLINT WASH BRIDGE CROSSING
  - NORTH BRIDGE CROSSING
  - EAST RIM TRAIL & CONNECTORS
  - WEST RIM TRAIL & CONNECTORS
  - DAM OBSERVATION TRAIL

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