MEETING AGENDA

CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
FACILITY REPAIR AND MAINTENANCE COMMISSION TASK FORCE

Thursday, January 5, 2023 at 8:30 a.m.

Use this link: https://us02web.zoom.us/j/88683371306
or dial (669) 900-6833 to join the meeting
then enter this webinar ID: 886 8337 1306 and press #

LYNN ALVAREZ, CHAIR
JOSEPH HALPER, COMMISSIONER

Staff:
Jimmy Kim, General Manager
Cathie Santo Domingo, Assistant General Manager
Darryl Ford, Superintendent
City Attorney Representative

IN CONFORMITY WITH CALIFORNIA GOVERNMENT CODE SECTION 54953 AND DUE TO CONCERNS OVER COVID-19, THIS TASK FORCE MEETING WILL BE CONDUCTED ENTIRELY TELEPHONICALLY.

EVERY PERSON WISHING TO ADDRESS THE COMMISSION MUST USE THIS LINK: https://us02web.zoom.us/j/88683371306 OR DIAL (669) 900-6833, AND ENTER 886 8337 1306 AND THEN PRESS #. INSTRUCTIONS ON HOW TO SIGN UP FOR PUBLIC COMMENT WILL BE GIVEN TO LISTENERS AT THE START OF THE MEETING. EACH SPEAKER WILL BE GRANTED A MAXIMUM OF TWO MINUTES.

NOTICE TO PAID REPRESENTATIVES - IF YOU ARE COMPENSATED TO MONITOR, ATTEND, OR SPEAK AT THIS MEETING, CITY LAW MAY REQUIRE YOU TO REGISTER AS A LOBBYIST AND REPORT YOUR ACTIVITY. SEE LOS ANGELES MUNICIPAL CODE 48.01 ET SEQ. MORE INFORMATION IS AVAILABLE AT ethics.lacity.org/lobbying. FOR ASSISTANCE, PLEASE CONTACT THE ETHICS COMMISSION AT (213) 978-1960 OR ethics.commission@lacity.org.

1. CALL TO ORDER

2. CURRENT BUSINESS

   A. Hansen Dam Recreation Area – Holiday Lake Feasibility Study
   Discussion of Improvements Project

   B. Venice Beach – Lifeguard Tower
   Discussion of Headquarters Project

3. PUBLIC COMMENT

Comments by the Public on Matters within Task Force Jurisdiction.

4. NEXT MEETING

The next Facility Repair and Maintenance Commission Task Force Meeting is tentatively scheduled telephonically through Zoom for January 19, 2023 at 8:30 a.m..

5. ADJOURNMENT

Additional Information

Under the California State Ralph M. Brown Act, those wishing to make audio recordings of the Commission Task Force Meetings are allowed to bring tape recorders or camcorders in the Meeting.

Sign language interpreters, assistive listening devices, or any auxiliary aides and/or services may be provided upon request. To ensure availability, you are advised to make your request at least 72 hours prior to the meeting you wish to attend. For additional information, please contact the Commission Office at (213) 202-2640.

Information on Agenda items may be obtained by calling the Commission Office at (213) 202-2640. Copies of the Commission Task Force Agenda may be downloaded from the Department's website at www.laparks.org.

CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
FACILITY REPAIR AND MAINTENANCE COMMISSION TASK FORCE BRIEFING
January 5th, 2023

Project Name: Hansen Dam Improvements Project Planning and Design

Requested Action: Review and consideration of the 2022 Holiday Lake Feasibility Study and discussion of results and potential improvements.

Project Location: Hansen Dam Recreation Area / (former Holiday Lake) (Nearest Entrance) Hansen Dam Aquatic Center: 11798 Foothill Blvd, Lake View Terrace, CA 91342.

Council District: Council District 7.

Scope of Work:

Background

In June 2020, the Santa Monica Mountains Conservancy (SMMC) adopted the Upper Los Angeles River and Tributaries (ULART) Revitalization Plan; a legislative initiative that authorized the creation of an appointed Working Group within the SMMC to develop a revitalization plan for the Upper Los Angeles River and its tributaries using a community-centric, watershed management approach, with a prioritization on disadvantaged communities. Over 300 opportunity areas were identified as a result of the nearly two-year vision plan development process. One of the design areas that was identified in the ULART Plan near the Tujunga Wash was the restoration of a historic Hansen Dam Lake – Holiday Lake.

In mid-2022, a feasibility study was performed by consultants Sherwood Engineers and landscape architect Studio-MLA. During the study, the project team coordinated with the Office of Monica Rodriguez, Council District 7, Los Angeles RAP Planning and Operations staff, tribal partners, and with the property owner the United States Army Corps of Engineers (USACOE).

The feasibility study resulted in three concept alternatives with varying degrees of lake restoration. Stormwater best management practice (BMP) improvements throughout the Basin were recommended in all alternatives to provide erosion protection and mitigation, as well as naturalizing flow corridors to improve water quality and restore habitat. After analysis and consideration with the City of Los Angeles, the Concept 2 alternative was selected for further development. Concept 2 best addresses the goals and elements found in the ULART Plan while balancing the needs of the City, which include reducing the use of potable water in the existing aquatic lake.

Potential Improvements

The proposed Hansen Dan improvements project would fund planning and design studies to develop a restoration plan, supported by the City of Los Angeles, and based on Concept 2 from the feasibility study, that would achieve the ULART plan goals, provide sustainable public amenities, and have a beneficial effect on surrounding lands and habitat. The planning effort will include technical review by the USACOE (landowner) and the City of Los Angeles, as well as with community members to ensure local input and participation. Consultants will be hired to perform the technical design scope, and staff plan to work with local organizations to perform community outreach and engagement.

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January 5th, 2023

All Funding Sources and Amounts: The SMMC authorized funding in the amount of $500,000 for Project Planning and Design for the Hansen Dam Improvements project. Beyond this funding, the Mountains Recreation and Conservation Authority (MRCA) in consultation with the City of Los Angeles, will continue to seek additional funding for potential improvements. These improvements can include improving public access, enhancing recreational trails, creating spaces for tribal programs and cultural practices, improving water quality, and stabilizing erosion from stormwater outfalls.

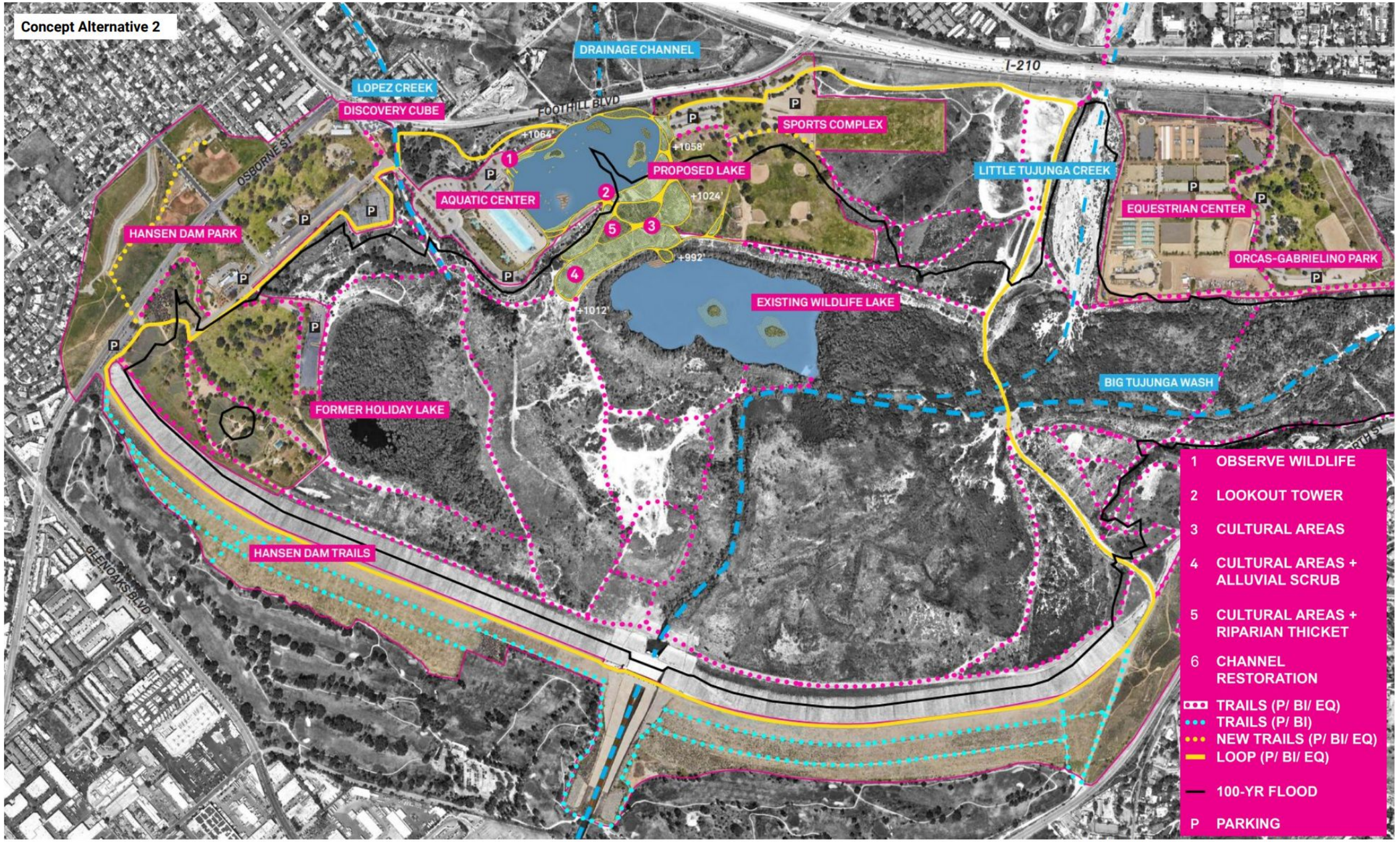
Community Outreach: During this initial phase of analysis, community engagement and outreach was not conducted. However, moving forward, we hope to initiate a planning effort that will include consultation with the City of Los Angeles, as well as with community members to ensure local input and participation.

During the ULART planning process, over a period of 20 months, the Working Group convened 33 public meetings to gather feedback and design a collaborative, inclusive planning process. The Working Group solicited ideas and input from the community, listening to area residents and stakeholders talk about their vision for the river and tributaries. The Hansen Dam project received positive public input that highlighted widespread desires for the Hansen Dam recreational area, including making park areas safer and easier to access, trail restoration, enhancing ecological habitat, and improving access to the Tujunga Wash downstream from the dam. As such, we would like to continue this community engagement effort to continue to gather feedback.

Attachments:

- Holiday Lake- Concept 2
- ULART- Hansen Dam Design Concept

HANSEN DAM-CONCEPT 2



Hansen Dam Park

Holiday Lake Boat Race

Hansen Dam Equestrian Trails

HANSEN DAM LAKE REVITALIZATION

Community and Ecological Connector

Recreation amenities proposed in the 1991 Master Plan such as a 15-acre "Holiday lake" swimming area with associated amenities such as picnic areas and restaurant were never built. A 1.5-acre swim lake as part of the Aquatic Center was constructed instead. This design area studies how the "Holiday lake" could be integrated into the park.

This could include

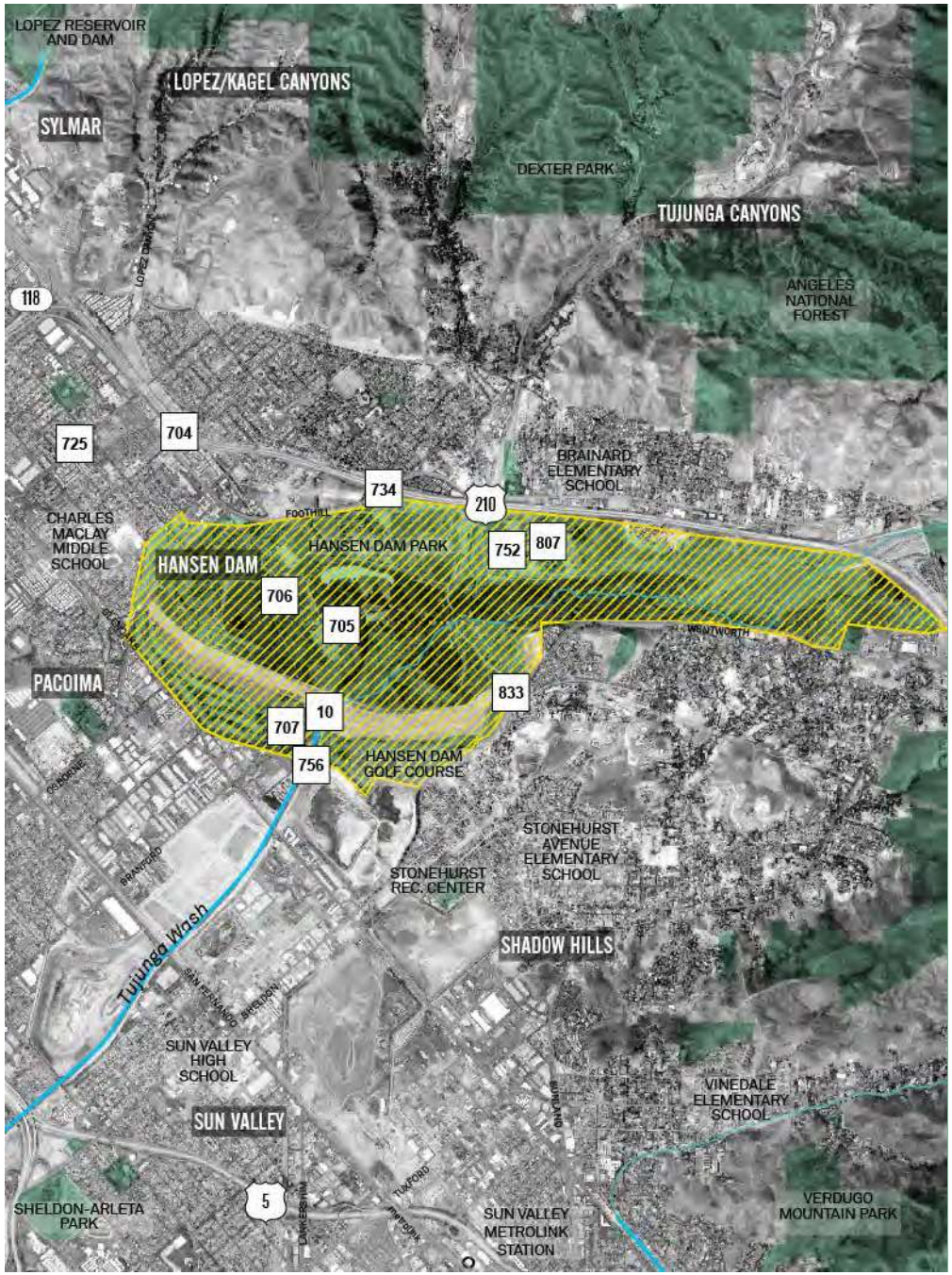
- **Habitat connectivity** for existing fish and wildlife populations. The Basin is located near the San Gabriel Mountains, an area of relatively high biological diversity and abundance
- Promote **preservation and protection of historic and cultural sites** within the Basin
- **Tree allee and green streets** to improve connectivity, improve air quality, and capture stormwater

LAND OPPORTUNITIES

- Hansen Dam Lake Park

HOW DOES IT ALIGN WITH COMMUNITY NEEDS?

- Reduces pollution impact
- Increases access to open space
- Reduced local flooding
- Create safe connections
- Enhances habitat



HANSEN DAM LAKE REVITALIZATION

OPPORTUNITY AREAS IN THIS DESIGN AREA

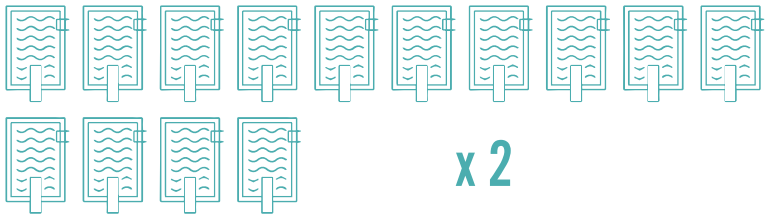
- **10** Tujunga Wash Expanded Multi-Use Trail and Community Connectivity
- **704** Hansen Dam Link
- **705** Hansen Dam Water Conservation and Supply
- **706** Hansen Dam Wildlife Lake Improvement
- **707** Hansen Golf Course Water Recycling Project
- **725** Pacoima Water Infiltration Median and Trail
- **734** Power Line Easement Recharge Project
- **752** Tujunga Tataviam Village Parks
- **756** Tujunga-Sun Valley Tujunga Wash Diversion Project
- **807** Orcas Park Improved Facilities and Community Education Opportunity
- **833** Hansen Dam Bike Path Wentworth Alternative Bikeway Access and Safety

RESILIENCY BENEFITS

Analyzing the Hansen Dam Lake design area concept through the i-Tree suite of tools, ArcMap 10.7.1, and AutoCAD yielded the following benefits. Please see Appendix F for a full description of the methodology.

WATER

The design includes 1,437 acres *of new or enhanced permeable cover*



STORMWATER CAPTURE

55.8 acre-feet

or 28

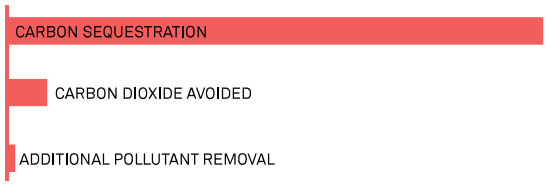
Olympic-sized swimming pools

WATER

AIR

AIR

The design includes 6,118 trees *that sequester carbon, and remove pollutants from the air*



AIR POLLUTANT REMOVAL

6,477 tons
Additional Carbon Sequestration

159 tons
Additional Carbon Dioxide Avoided

5 tons
Additional Pollutant Removal

HABITAT

The design includes 1,676 acres *of new and enhanced ecological habitat that contribute to the Rim of the Valley Corridor Preservation and* 70 acres *of additional tree canopy*

HABITAT CREATION

687%

the size of the 244-acre Verdugo Mountain Open Space Preserve

HABITAT

COMMUNITY

COMMUNITY

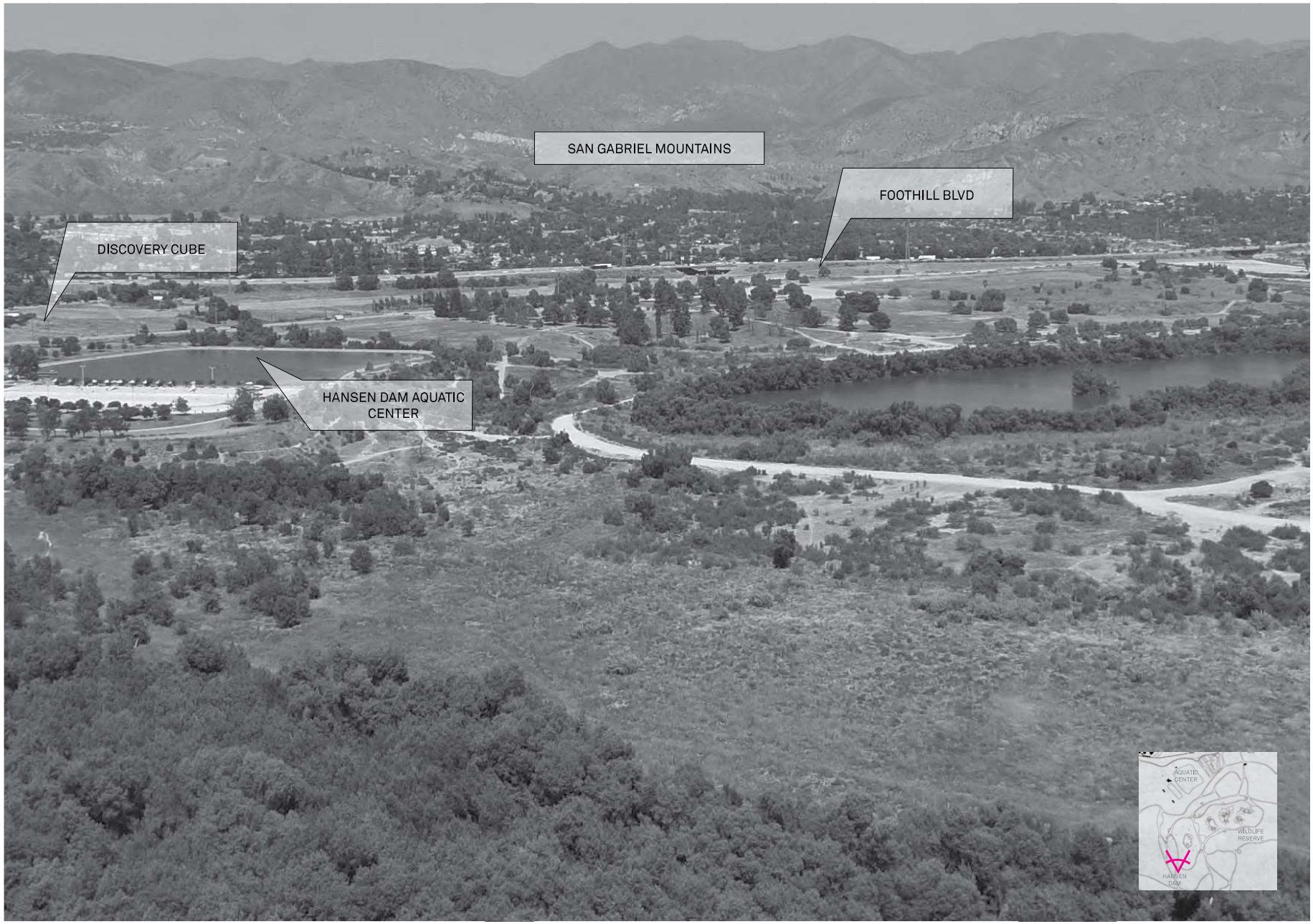
The design includes 1,301 acres *of new and enhanced open space and* 34 miles *of new or enhanced community connections*

20.2 miles
Green Streets

5.0 miles
Multi-modal paths

8.4 miles
Trails

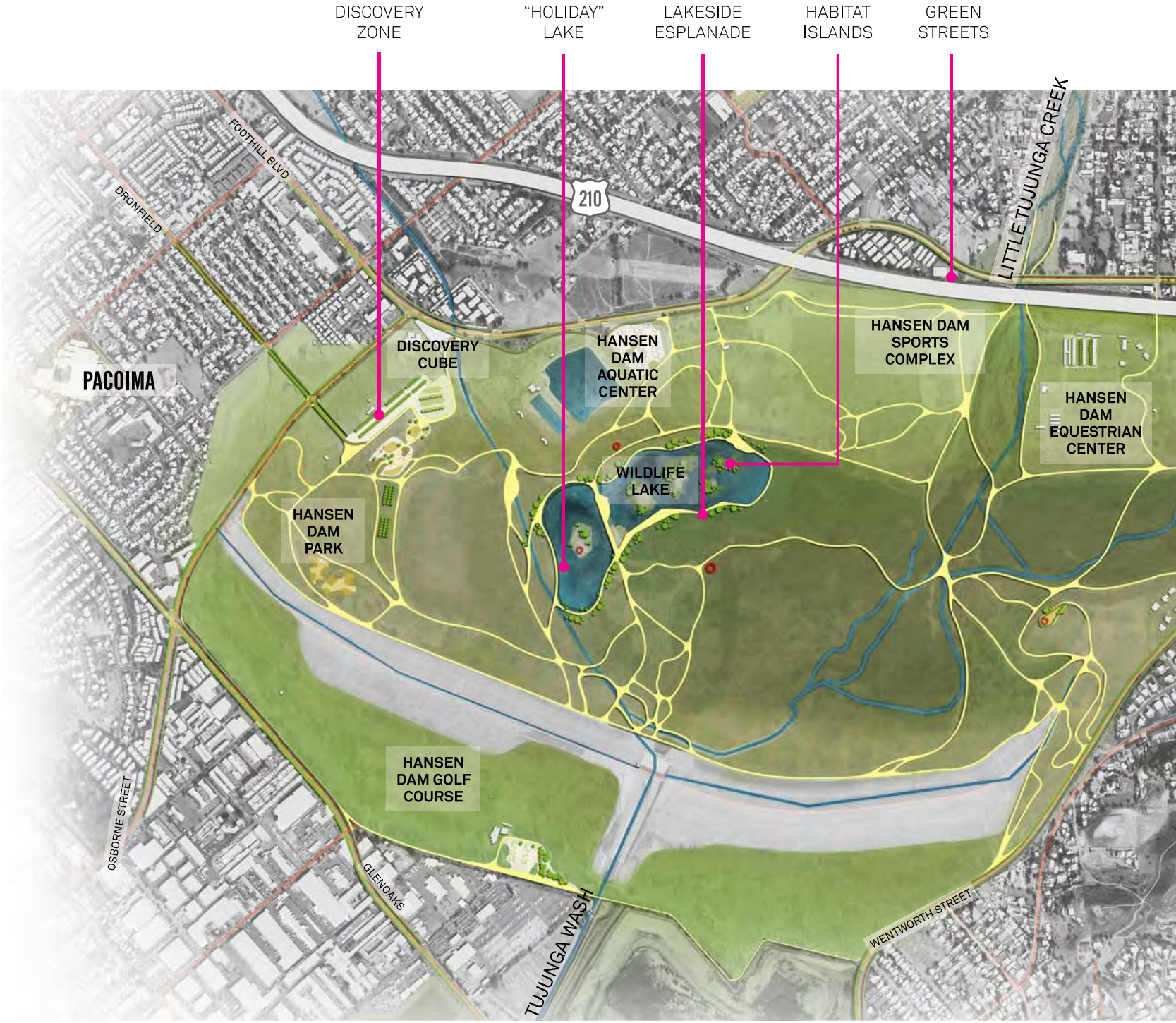
Tujunga Wash Design Areas// Hansen Dam Lake



Tujunga Wash Design Areas// Hansen Dam Lake

Comprehensive feasibility studies, required jurisdictional coordination, environmental impacts, and other engineering design details, are not part of this plan

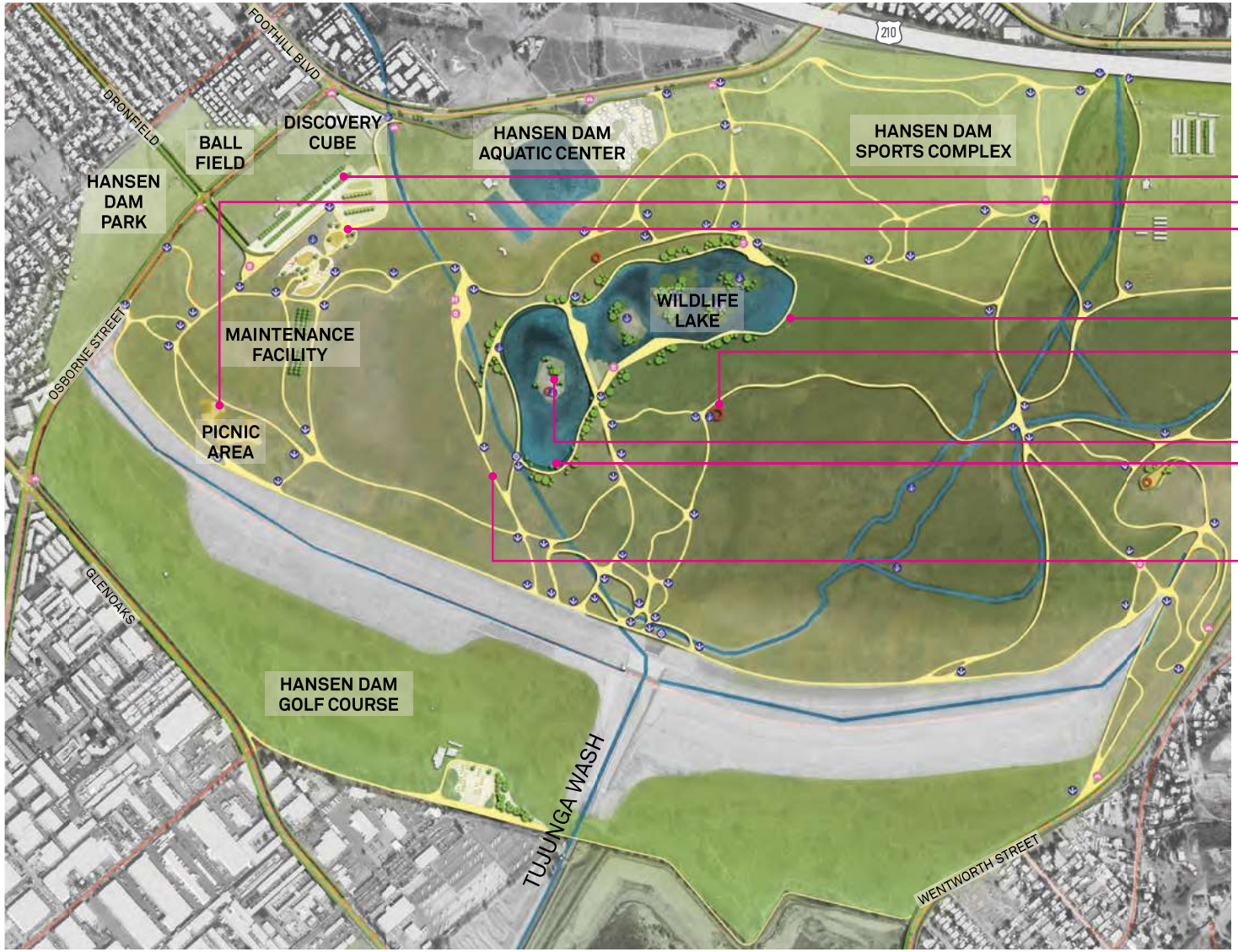
View looking north at Holiday Lake and the Habitat Islands


DISCOVERY ZONE
"HOLIDAY" LAKE
LAKESIDE ESPLANADE
HABITAT ISLANDS
GREEN STREETS
210
FOOTHILL BLVD
DRONFIELD
LITTLE TUJUNGA CREEK
PACOIMA
DISCOVERY CUBE
HANSEN DAM AQUATIC CENTER
HANSEN DAM SPORTS COMPLEX
HANSEN DAM EQUESTRIAN CENTER
WILDLIFE LAKE
HANSEN DAM PARK
HANSEN DAM GOLF COURSE
OSBORNE STREET
GLENOAKS
TUJUNGA WASH
WENTWORTH STREET

Tujunga Wash Design Areas// Hansen Dam Lake

HOLIDAY LAKE (ENLARGEMENT)

In conversations with community members, many people noted that they didn't have a strong impression of Hansen Dam Park. At over 1,400 acres and 4.5 miles long, Hansen Dam Lake is a large regional park without a clear identity. One of the key decisions in the design concept area was Chairperson Monica's Rodriguez's suggestion to bring back Holiday Lake. The historic lake was a popular place for boat races, fishing, and swimming was closed in 1982 because of sediment accumulation. The design would recreate Holiday Lake on its original site, which is currently inaccessible, and open it for non-motorized boating. The community could also admire the lake while walking, sitting, or sipping tea along the lakeside esplanade. The lake will infuse the park with whimsy, interactivity and a connection to the community's history.

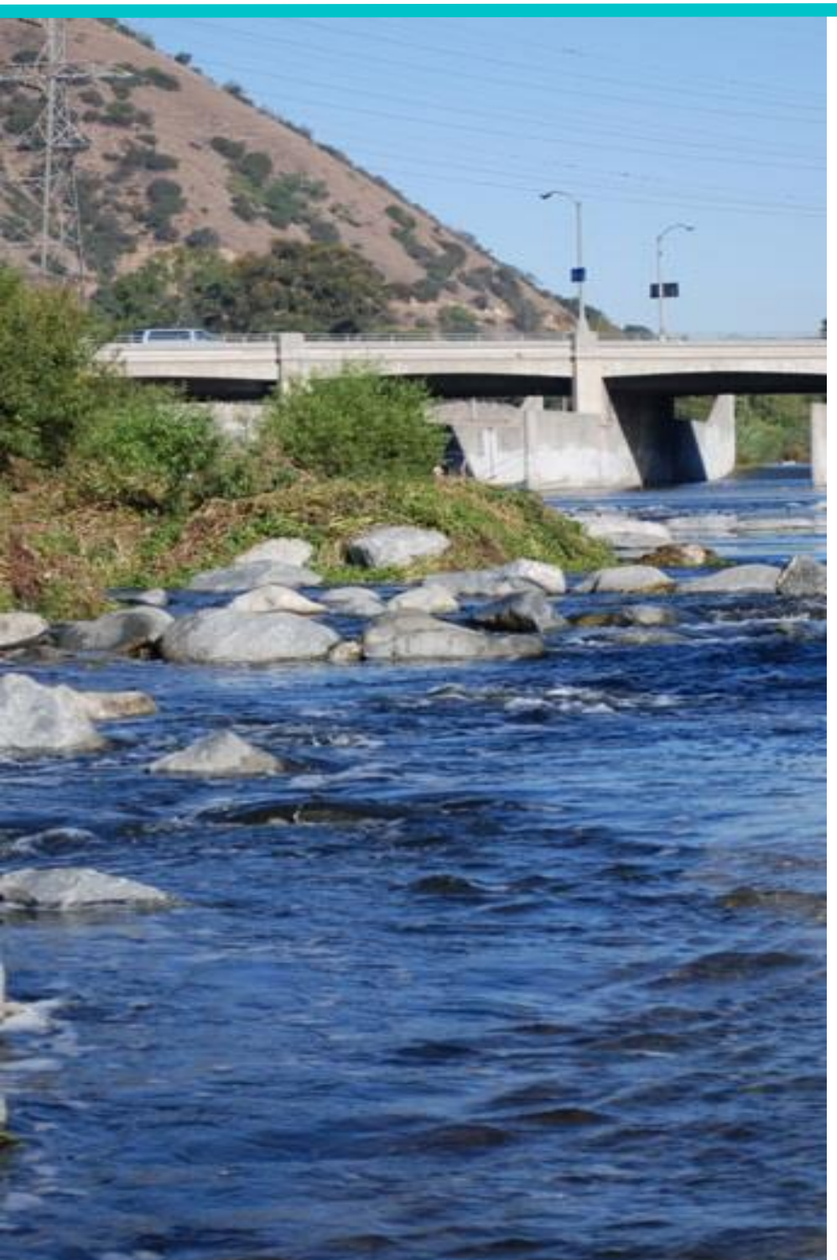


Hansen Dam Improvements Project Planning and Design

January 05, 2023

RAP Facility Repair & Maintenance Commission Task Force Meeting

MEETING AGENDA

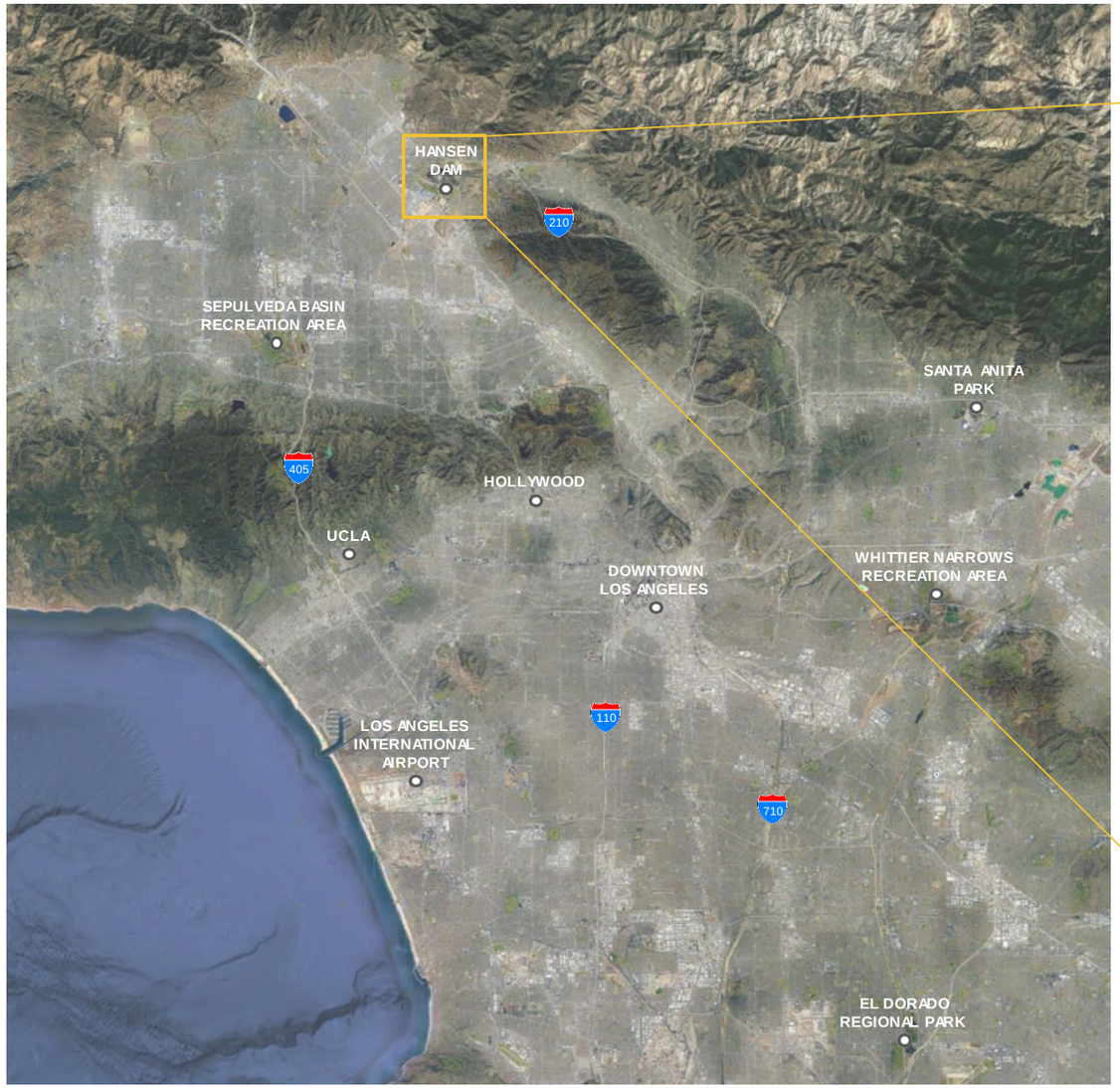


1. Background
2. Site Considerations
3. ULART- Holiday Lake Concept
4. Concepts Alternatives
5. Summary of Results
6. Appendix
7. Concept 2

BACKGROUND

Hansen Dam Basin

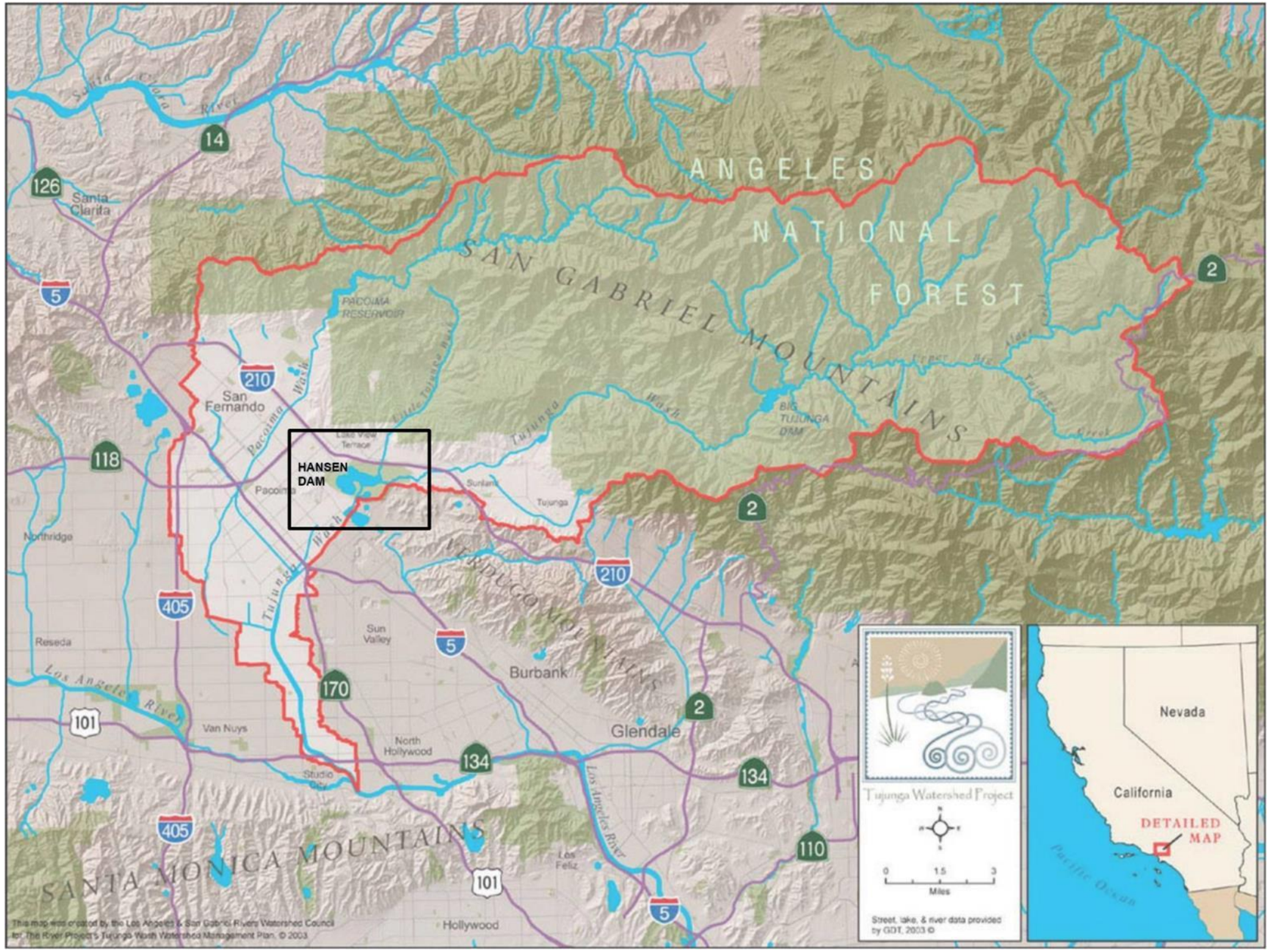
PROJECT LOCATION AND EXTENT



WATERSHED

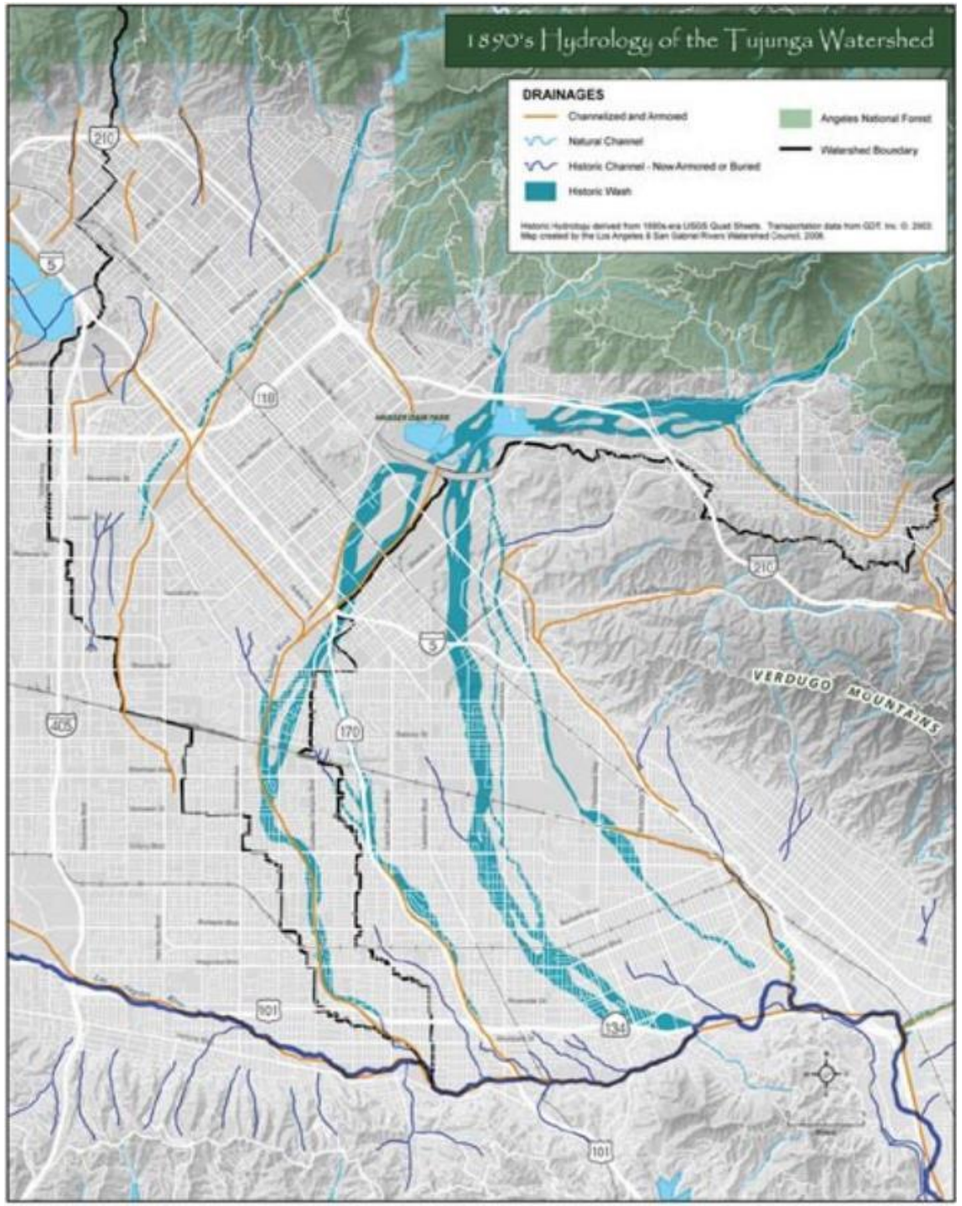
- The Tujunga Watershed is 152 square miles (98,000 acres) in size and comprises three major drainage systems:
  - Pacoima Wash
  - Big Tujunga Wash
  - Little Tujunga Wash

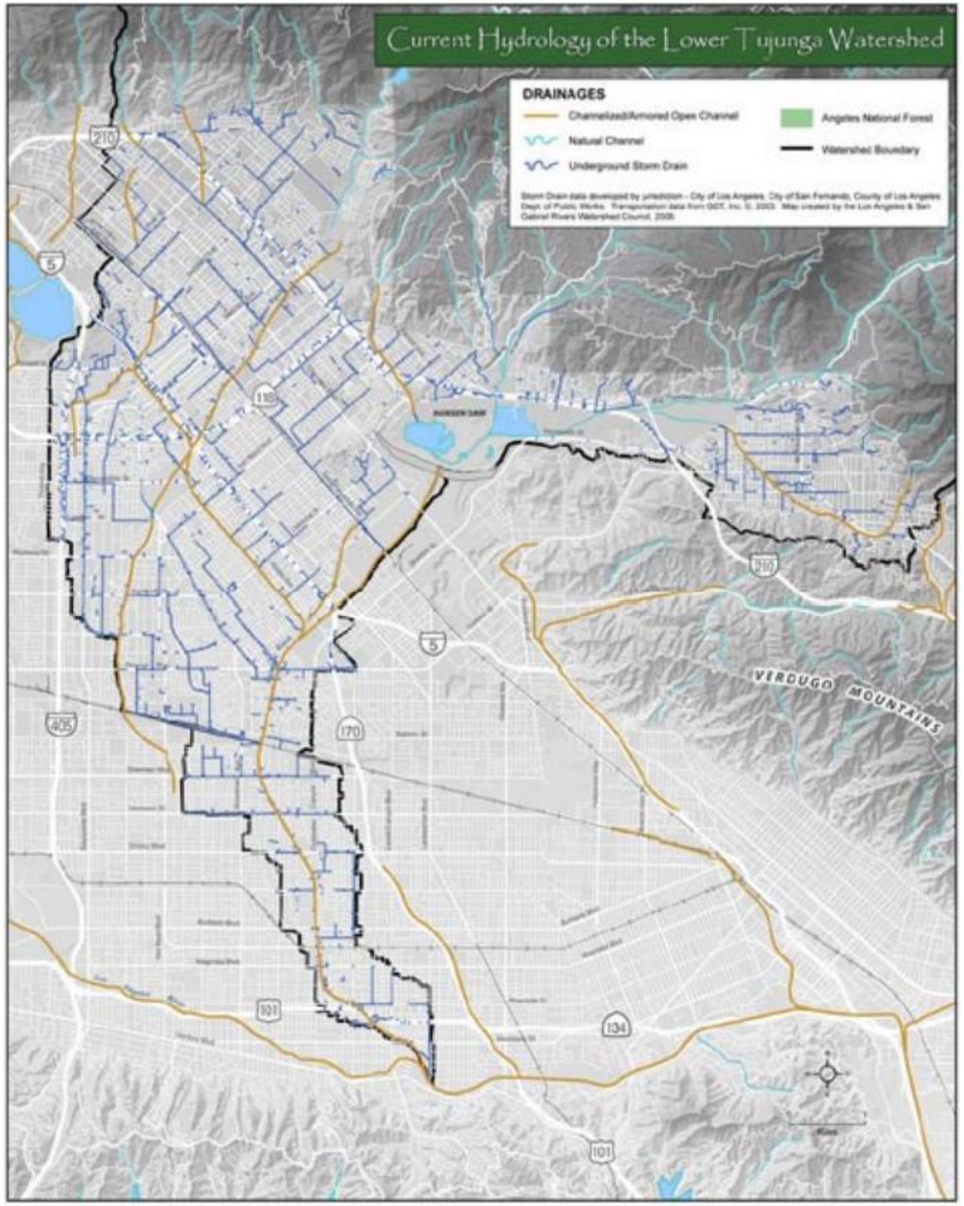
- Big Tujunga Wash stretches 31.5 miles in length and has a catchment that makes up 68% of the watershed, followed in size by Pacoima Wash (27%) and Little Tujunga Wash (5%)



Source: Los Angeles and San Gabriel Rivers Watershed Council 2003

HISTORIC AND EXISTING WATERSHED DYNAMICS





Source: State of the Tujunga, 2006

1938

1939 Flooding

Aerial Source: Flight AXJ_1938, Frame 23-24
Photo Source: USACE 2011 Hansen Dam Master Plan

1944

- Hansen Dam completed as part of the Los Angeles flood control system

Source: Flight DDF-1944, Frames 3-48, 3-50, 10-78, 10-79, 10-81

1954

- 1946 - California Department of Natural Resources stocked the flooded borrow pits with fish to create a fishing and picnic destination
- 1948 - the City of LA leases 1,450 acres within the basin for recreation and development
- 1952 - the borrow pit is officially recognized as Holiday Lake

Source: Flight AXJ-1952, Frames 14k-48, 18k-19

1982

- 1952 - Holiday Lake is 130 acres of open water
- 1975 - Lake was reduced to 80 acres due to sediment accumulation
- 1982 - Lake was abandoned for recreation and closed to the public

Source: Flight AMI-LA-82, Frame 11492

2019

- 1991 - Lake was entirely filled in
- 1999 - Aquatic Center Recreation Lake and Wildlife Lake completed
- Today the lake footprint is a swampy forest

Source: LARIAC 2019

EXISTING

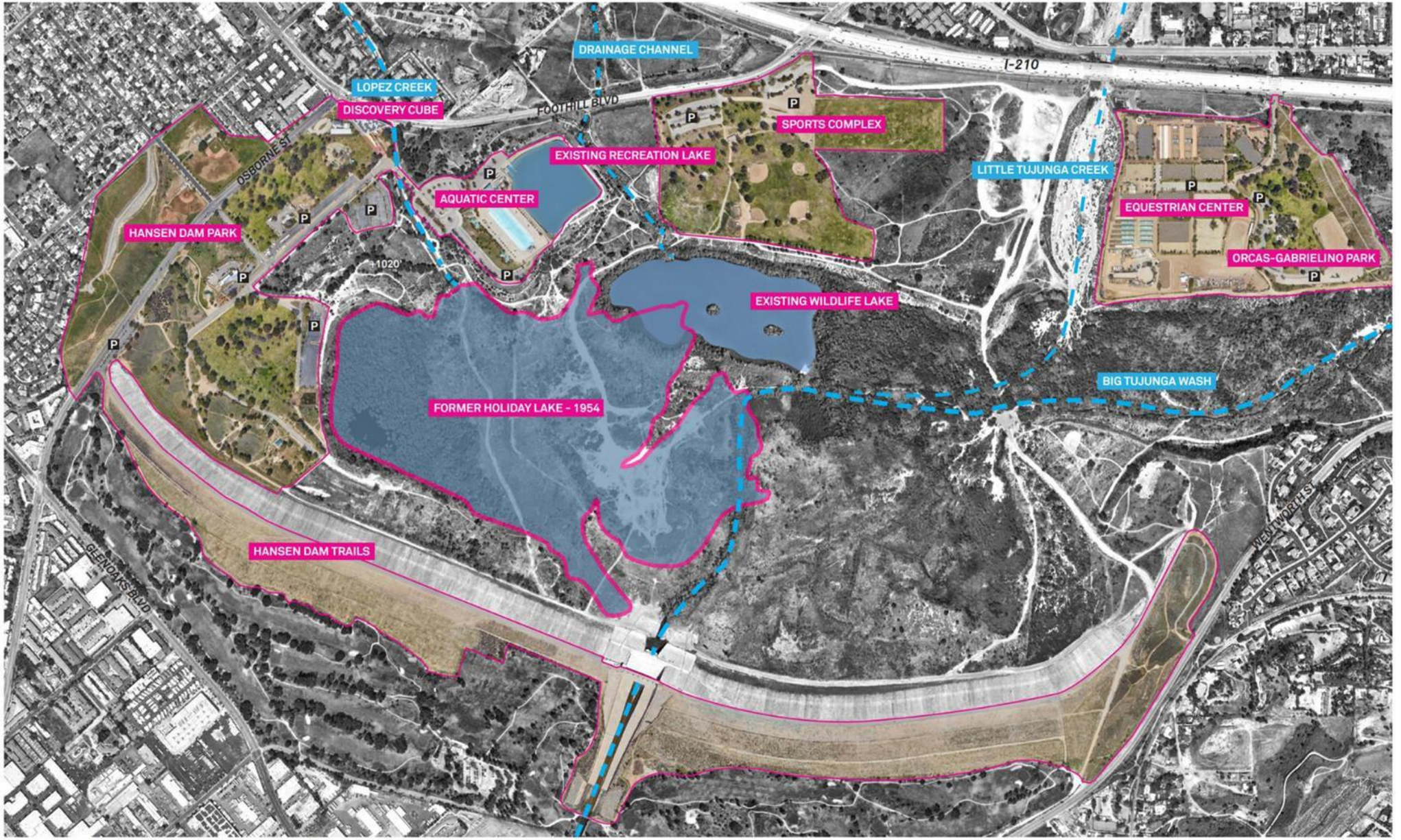
P = PEDESTRIAN **BI** = BICYCLE **EQ** = EQUESTRIAN

It has been suggested that the Wildlife Lake is filling up with sediment, due its location within the flood zone. The Wildlife Lake will not remain in the current configuration without a significant increase in annual maintenance.

SITE CONSIDERATIONS

HISTORIC HOLIDAY LAKE

Over the course of 40 years, Holiday Lake filled with sediment at a rate nearly double of what was originally projected, leading to its abandonment as a recreational facility in 1982



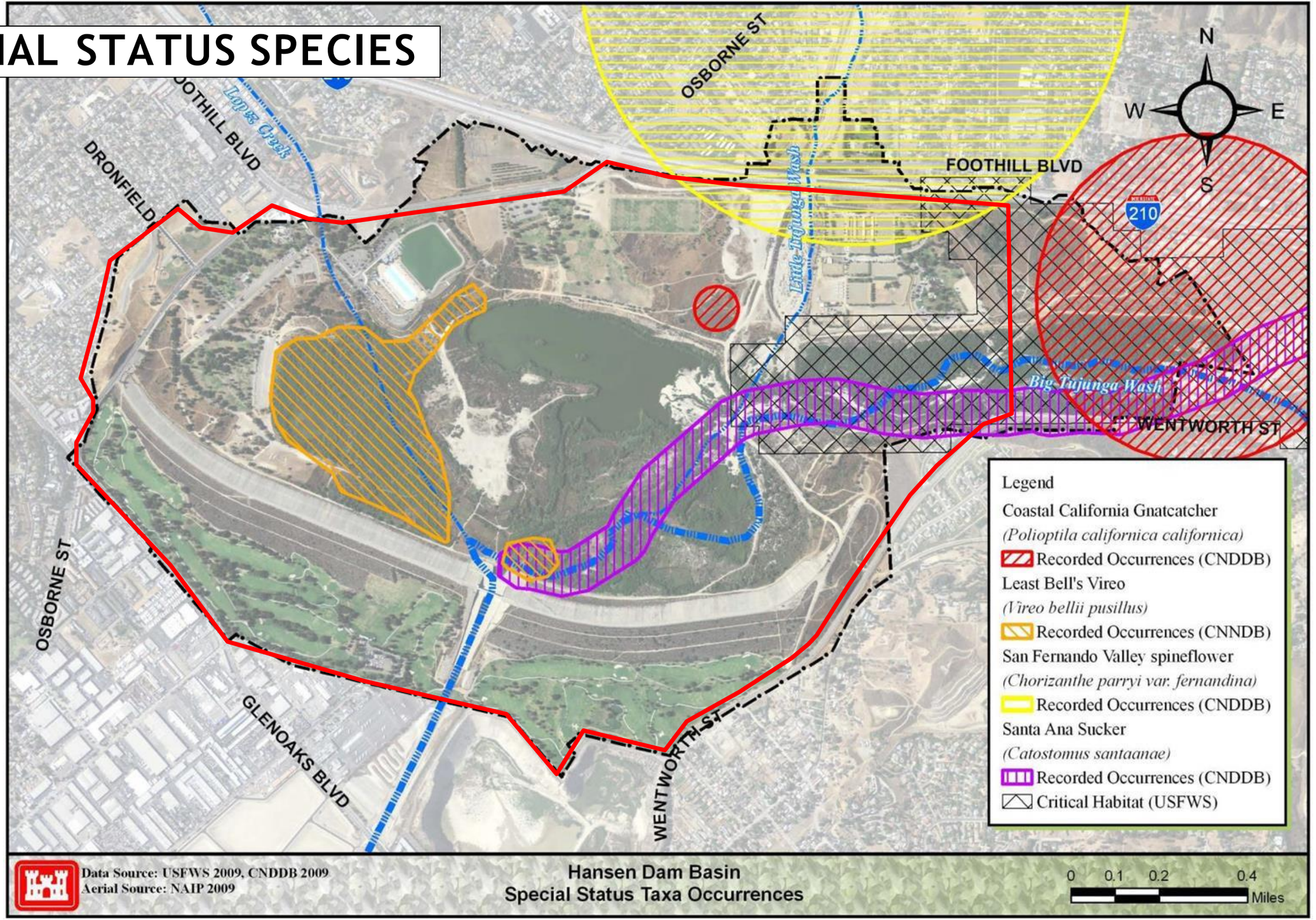
HOLIDAY LAKE FEASIBILITY STUDY | HISTORIC LAKE

STUDIO-MLA

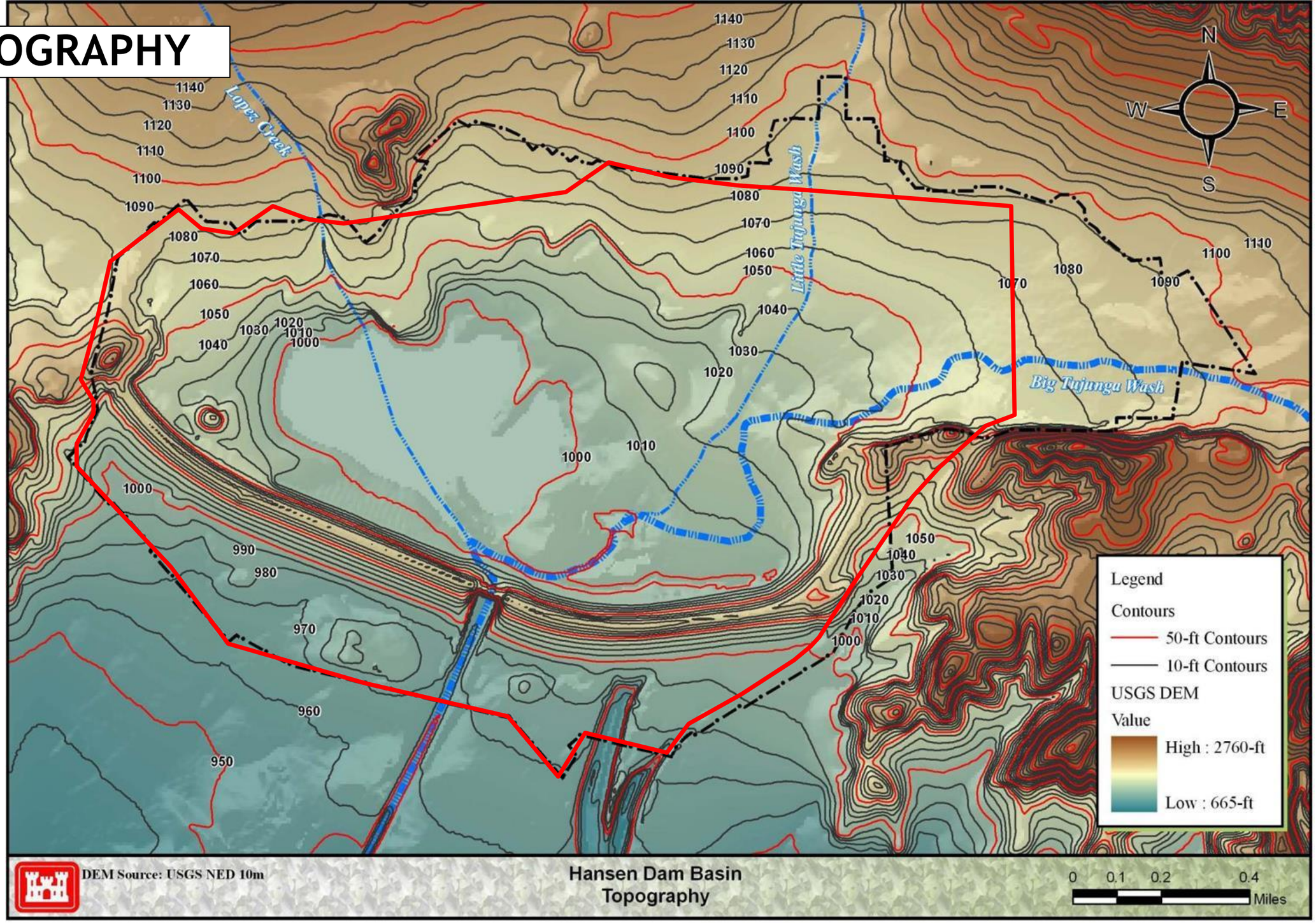
Scale 1" = 700'

0 175 350 700 FT

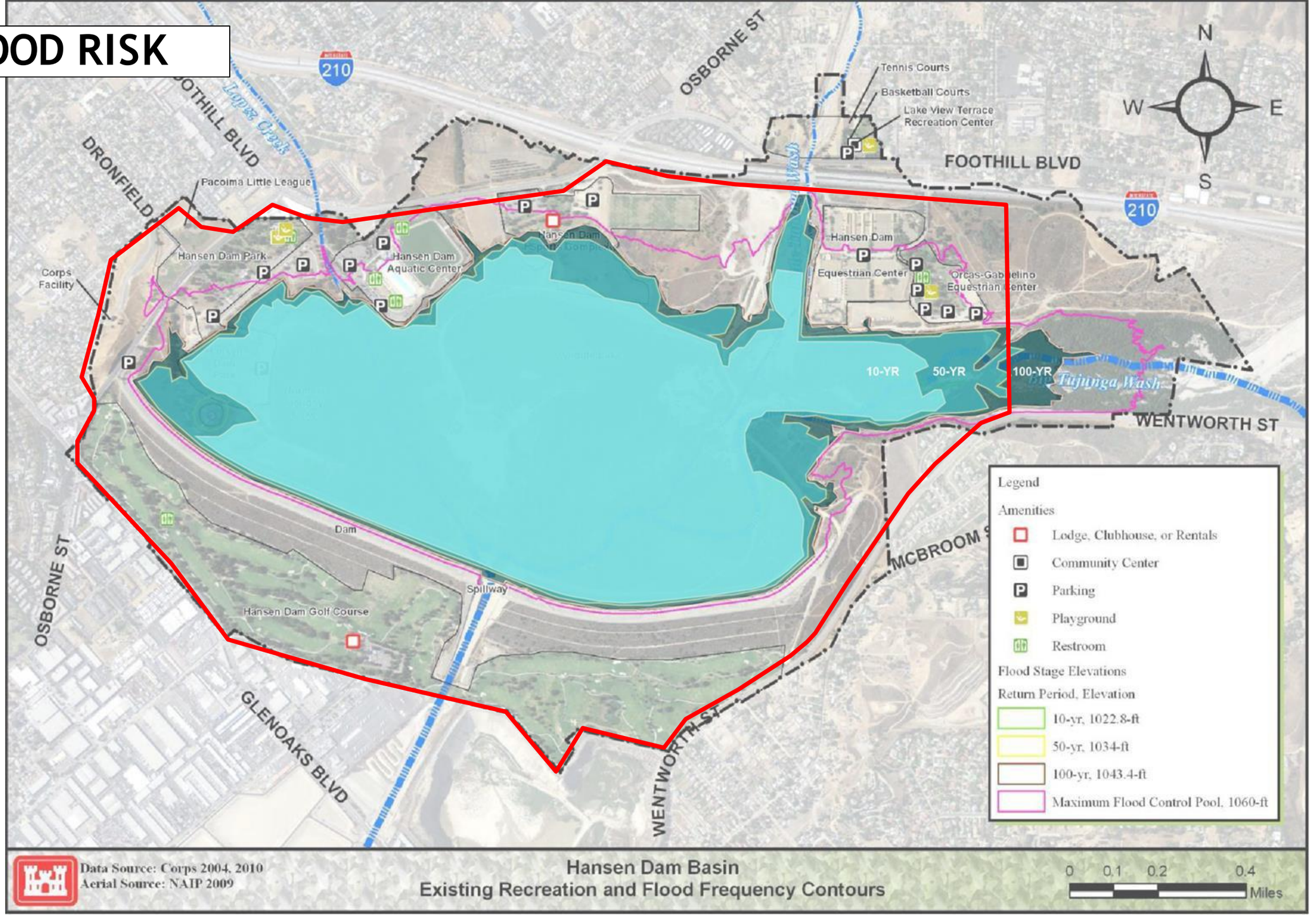
SPECIAL STATUS SPECIES



TOPOGRAPHY


Lopez Creek
Little Tujunga Wash
Big Tujunga Wash
N
S
E
W
Legend
Contours
50-ft Contours
10-ft Contours
USGS DEM
Value
High : 2760-ft
Low : 665-ft
DEM Source: USGS NED 10m
Hansen Dam Basin
Topography
0 0.1 0.2 0.4
Miles

FLOOD RISK


N
W
E
S
210
OSBORNE ST
Tennis Courts
Basketball Courts
Lake View Terrace Recreation Center
FOOTHILL BLVD
DRONFIELD
Pacoima Little League
Hansen Dam Park
Hansen Dam Aquatic Center
Hansen Dam
Equestrian Center
Orcas-Gabrielino Equestrian Center
Corps Facility
10-YR
50-YR
100-YR
Tujunga Wash
WENTWORTH ST
Dam
Spillway
Hansen Dam Golf Course
MCBROOM
GLENOAKS BLVD
Legend
Amenities
Lodge, Clubhouse, or Rentals
Community Center
Parking
Playground
Restroom
Flood Stage Elevations
Return Period, Elevation
10-yr, 1022.8-ft
50-yr, 1034-ft
100-yr, 1043.4-ft
Maximum Flood Control Pool, 1060-ft
Data Source: Corps 2004, 2010
Aerial Source: NAIP 2009
Hansen Dam Basin
Existing Recreation and Flood Frequency Contours
0 0.1 0.2 0.4
Miles

ULART

Holiday Lake Concept

HANSEN DAM LAKE
Tujunga Wash

- 1,300 acre park that is 4.5 miles long
- Opportunity to make the park more “legible”

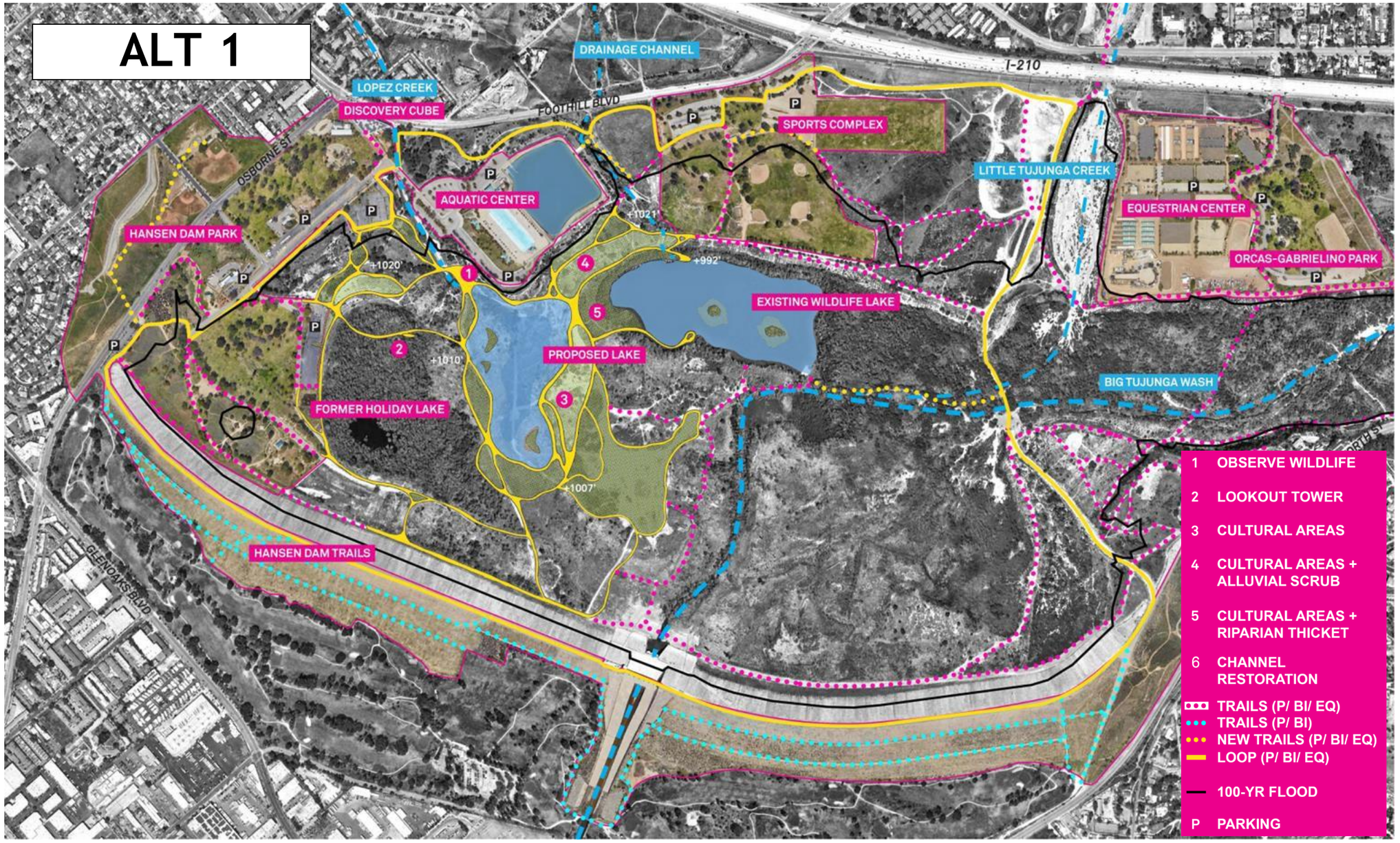
Source: Upper Los Angeles River and Tributaries Revitalization Plan, 2020

HANSEN DAM LAKE (ON TUJUNGA WASH)

DESIGN CONCEPT (LOOKING NORTHEAST)

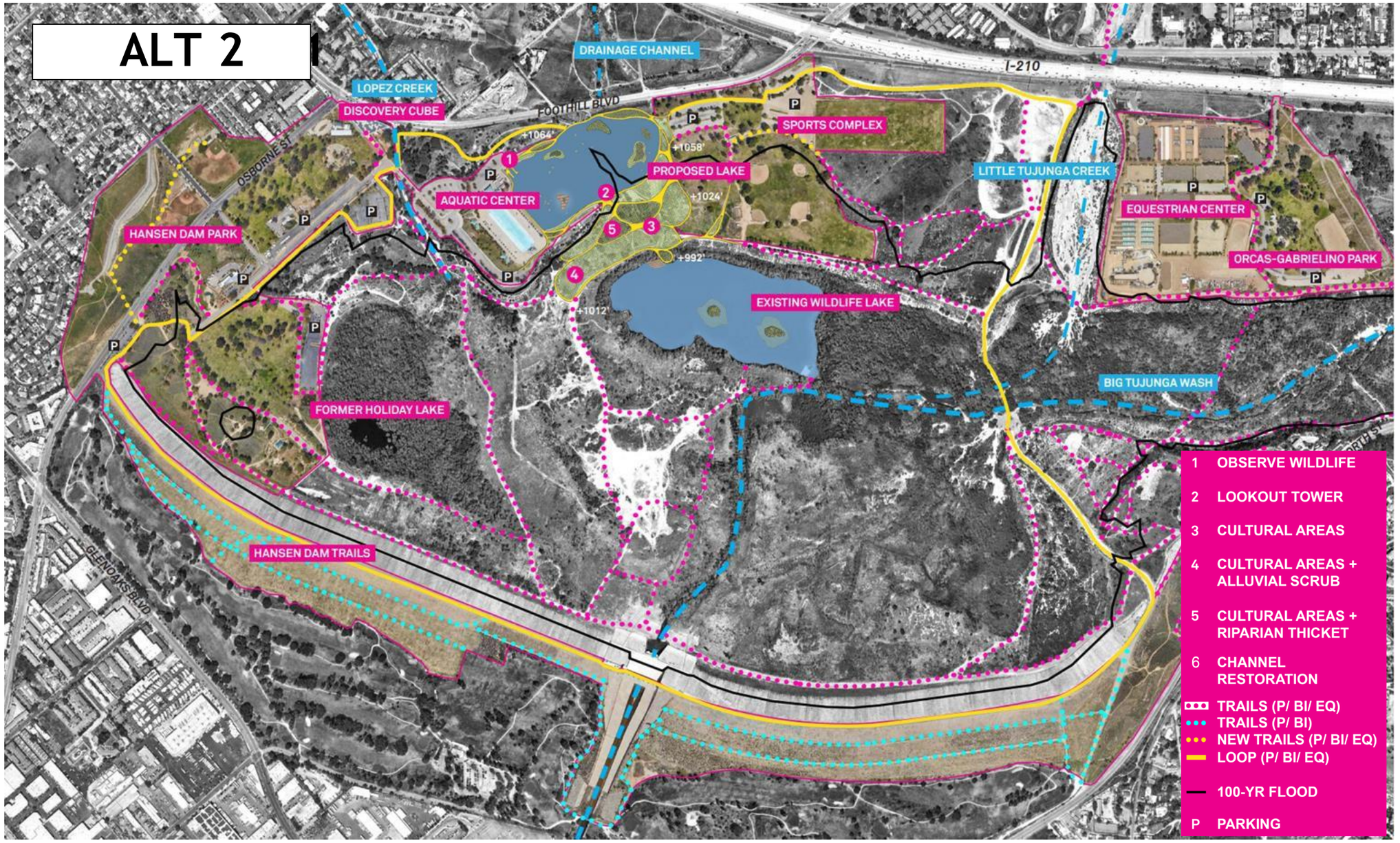
Source: Upper Los Angeles River and Tributaries Revitalization Plan, 2020

CONCEPT ALTERNATIVES



P = PEDESTRIAN **BI** = BICYCLE **EQ** = EQUESTRIAN

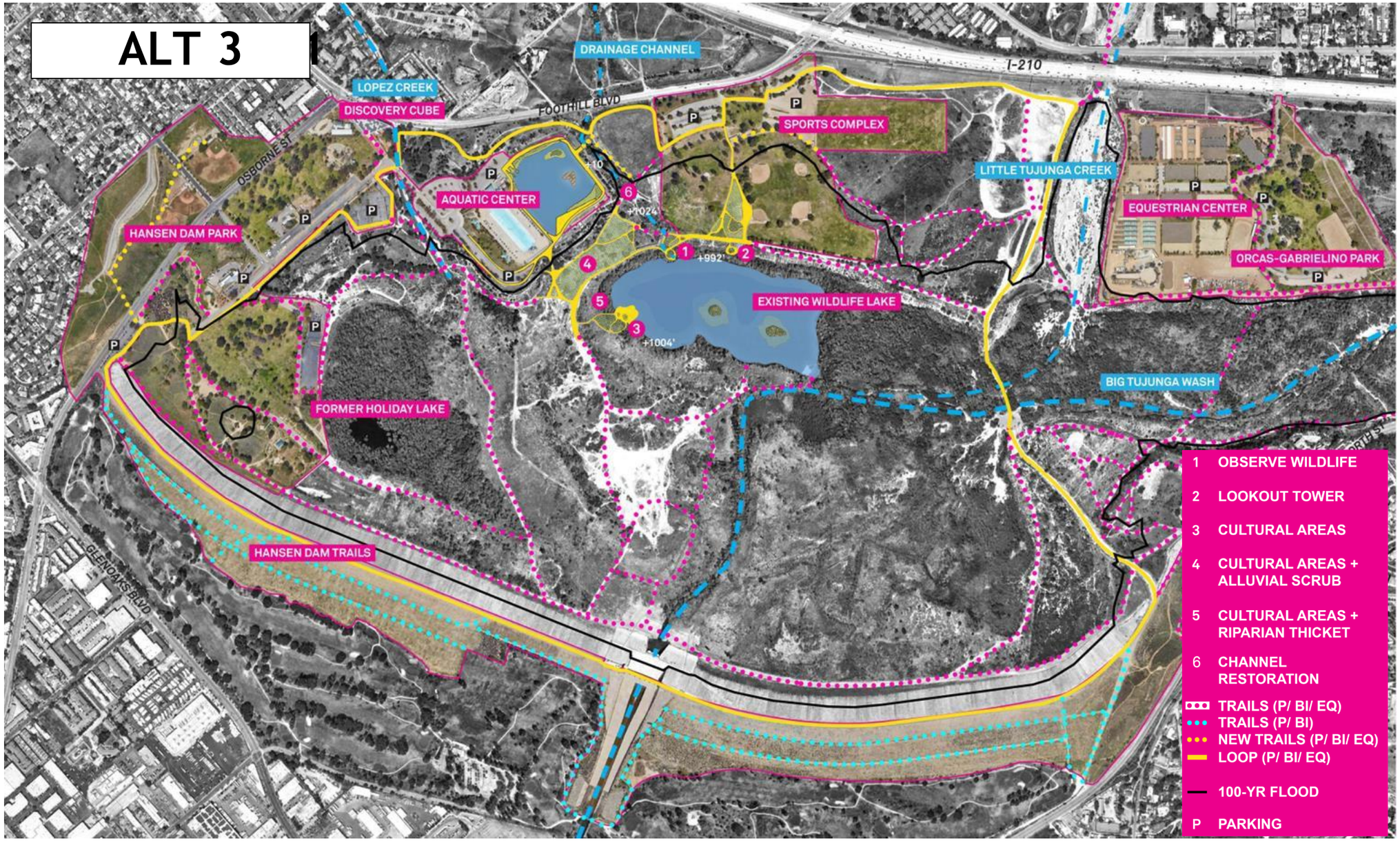
ALTERNATIVE 1 evaluates the implementation of a new recreational lake adjacent to the Wildlife Lake within the Hansen Dam Basin (fully within the floodplain). This is the concept shown in the ULART plan.



P = PEDESTRIAN **BI** = BICYCLE **EQ** = EQUESTRIAN

ALTERNATIVE 2 evaluates the implementation of a recreational lake that is adjacent to, and expands upon, the existing Aquatic Center (mostly outside of the 100-year floodplain).

ALT 3



P = PEDESTRIAN **BI** = BICYCLE **EQ** = EQUESTRIAN

ALTERNATIVE 3 focuses resources on improving existing facilities and recreational amenities throughout the Hansen Dam Basin, with an emphasis on the existing Aquatic Center and Wildlife Lake, but would not add any additional footprint of water body.

SUMMARY OF RESULTS

SUMMARY OF RESULTS

OPTION 1

PROS: Best achieves program of original lake and provides optimal program mix

CONS: O&M within flood plain, requires access improvements, may require regulatory mitigation, intensive infrastructure, at risk to major flood events and associated sediment.

OPTION 2

PROS: Out of flood zone, limits risk and cost associated with utility expansion, accessible, expands and enhances Aquatic Center program

CONS: Subject to higher intensity program of Aquatic Center

OPTION 3

PROS: Least capital intensive, limits regulatory exposure while enhancing aquatic center and wildlife experience

CONS: No change to program or facilities and may not provide sufficient increased amenity

FEASIBILITY MATRIX

	OPTION 1 Implement a recreational lake adjacent to the existing Wildlife Lake within the Hansen Dam Basin and fully within the flood plain.	OPTION 2 Implement an elevated recreational lake adjacent to the existing aquatic center, mostly outside of the 100-year flood line (based on USACE 2011)	OPTION 3 Enhance existing Aquatic Center lake and Wildlife Lake to optimize access and program
Program Advantages	Largest lake surface; most resembles historic lake; nice mix of low/medium intensity program.	Above primary flood zone, adjacent to existing infrastructure, accessible; improves existing Aquatic Center program.	Low cost; "shovel ready;" minimizes new infrastructure and impact to other areas. Easily accessible.
Public Access	Requires improvements to access plan, likely including parking, vehicular and pedestrian approach to site within the flood control basin	Leverages existing parking, vehicular and pedestrian access	Leverages existing parking and vehicular access; requires some enhancement of existing pedestrian circulation
Cultural Use	All three options provide opportunities to create space for cultural pratices, programming and educational outreach opportunities		
Water Supply	Both Option 1 and 2 can be filled by utilizing and clarifying stormwater flows from offsite drains, including from Branford St Channel/Lopez Canyon Drainage, outfall drainage from the 210 Highway. Make up water can be provided from municipal reclaimed water by expanding existing infrastructure that currently supplies the Hansen Dam Golf Course; this option would likely require on-site filtration of recycled water.		Potential improvement of water quality, runoff, on-site water supply.
Opportunity for Interaction with Nature	High level of interaction with nature.	Moderate to High level of interaction with nature, dependent on rigorous landscape design, planting and maintenance.	Moderate level of interaction with nature - resources and effort entirely directed at elevating landscape design, planting and maintenance to improve existing conditions.
ADA Access	Low to Medium	High	High

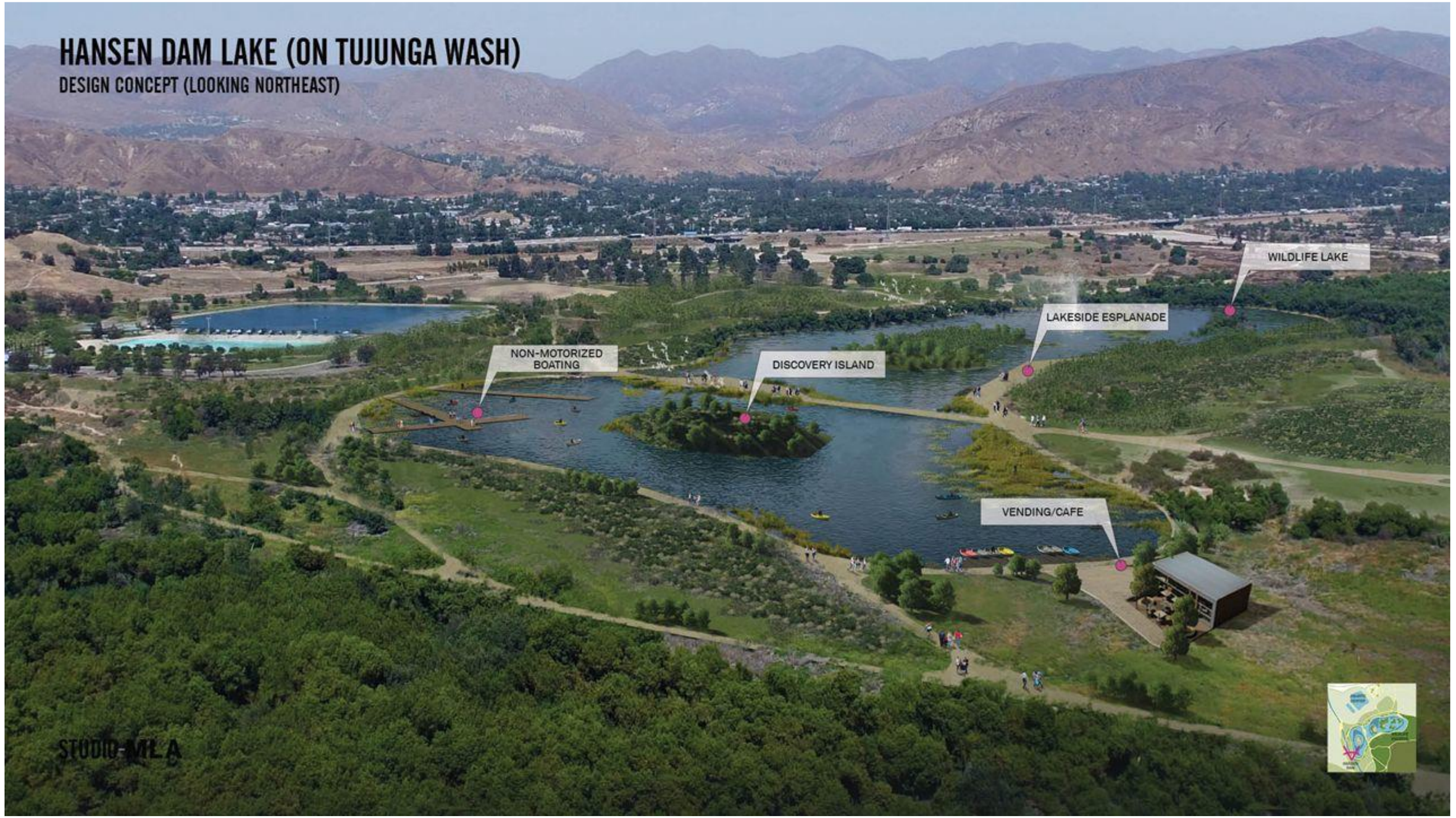
FEASIBILITY MATRIX

	OPTION 1 Implement a recreational lake adjacent to the existing Wildlife Lake within the Hansen Dam Basin and fully within the flood plain.	OPTION 2 Implement an elevated recreational lake adjacent to the existing aquatic center, mostly outside of the 100-year flood line (based on USACE 2011)	OPTION 3 Enhance existing Aquatic Center lake and Wildlife Lake to optimize access and program
Utility and Infrastructure	Located further from points of entry and existing infrastructure/utility systems.	Proximity to existing entry points and existing infrastructure/utility systems requires minimal intervention.	No new utilities or infrastructure, beyond routine landscape/site maintenance.
Conflicts with USACE of Flood Control Basin	High conflicts with USACE management of the flood control basin.	All or nearly completely outside of USACE flood control basin; limited conflict with USACE operations.	No signficant new impact on USACE management.
Ecological Impact	Highest ecological impact by building in the active floodplain, which currently provides a high diversity of habitat to birds and other wildlife. Active and dynamic floodplain.	Lower ecological impact than Option 1, built outside of the active floodplain. Opportunity to use native landscaping to provide more natural user experience while buffering programitic activity from habitat areas in the floodplain.	Similar to Option 2 in most regards, enhancement only.
Operations and Maintenance	Highest O&M cost due to management of sedimentation issues in large storm years	Low to Moderate O&M when compared to Option 1, as improvements leverage existing infrastructure.	Lower or same as Option 2, with no new facilities and O&M effectively focused only on enhancement of existing facilities.
Cost Magnitude	$$$ Construction access - work within the basin that requires routing of utilities, greater distance to move excavated soils including potential export, significant regulatory oversight.	$$ Limited new utility routing, established construction access, adjacent to existing infrastructure, limited flood plain engagement, limited regulatory procedures.	$ Enhancing existing amenities that already have access points, mostly improving existing utilities with minor additions, no known regulatory engagement.

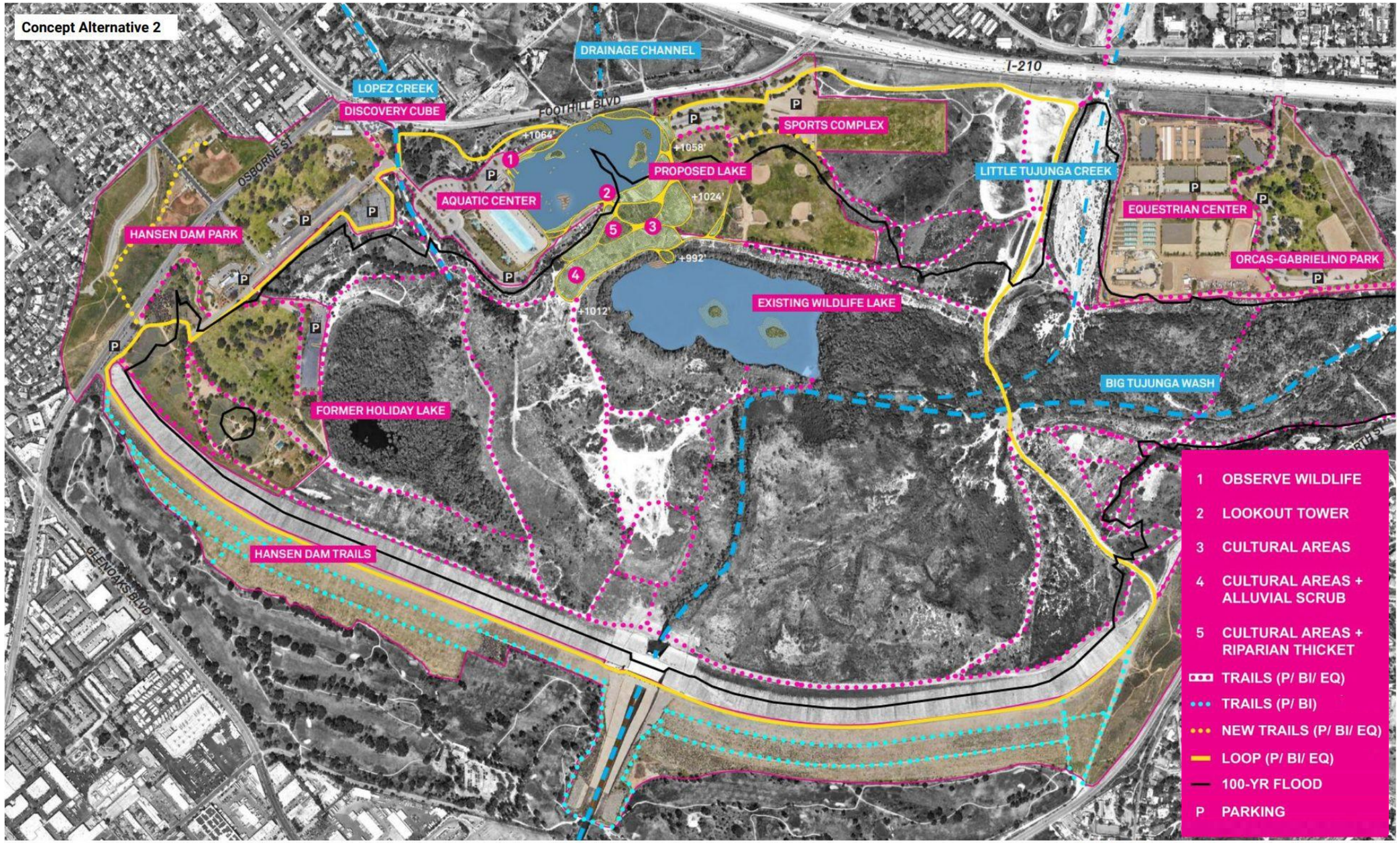
MRCA seeking approval to develop focused restoration plan improvements and community engagement, could include:

-Aquatic lake expansion/natural elements
-Reduction of potable water use
-Stormwater outfall water quality BMPs
-Trail restoration/improved access
-Enhancing ecological habitat
-Tribal/cultural area

ULART - HOLIDAY LAKE DESIGN CONCEPT



CONCEPT 2


Concept Alternative 2
DRAINAGE CHANNEL
I-210
LOPEZ CREEK
DISCOVERY CUBE
FOOTHILL BLVD
OSBORNE ST
+1064'
+1058'
+1024'
+992'
+1012'
SPORTS COMPLEX
PROPOSED LAKE
LITTLE TUJUNGA CREEK
AQUATIC CENTER
EQUESTRIAN CENTER
HANSEN DAM PARK
ORCAS-GABRIELINO PARK
EXISTING WILDLIFE LAKE
BIG TUJUNGA WASH
FORMER HOLIDAY LAKE
HANSEN DAM TRAILS
GLENOAKS BLVD
1 OBSERVE WILDLIFE
2 LOOKOUT TOWER
3 CULTURAL AREAS
4 CULTURAL AREAS + ALLUVIAL SCRUB
5 CULTURAL AREAS + RIPARIAN THICKET
TRAILS (P/ BI/ EQ)
TRAILS (P/ BI)
NEW TRAILS (P/ BI/ EQ)
LOOP (P/ BI/ EQ)
100-YR FLOOD
P PARKING
P = PEDESTRIAN
BI = BICYCLE
EQ = EQUESTRIAN

EXISTING CONDITIONS

CONCEPT 2 - RENDER

CONCEPT 2 - RENDER

THANK YOU!

Mountains Recreation & Conservation Authority

Contact Information:

Jessica Medina, Project Manager
Office: (323) 221-9944 ext. 205
Direct: (323) 818-6040
E-mail: jessica.medina@mrca.ca.gov

Brian Baldauf, Chief of Watershed Planning
Office: (323) 221-9944 ext. 190
E-mail: brian.baldauf@mrca.ca.gov