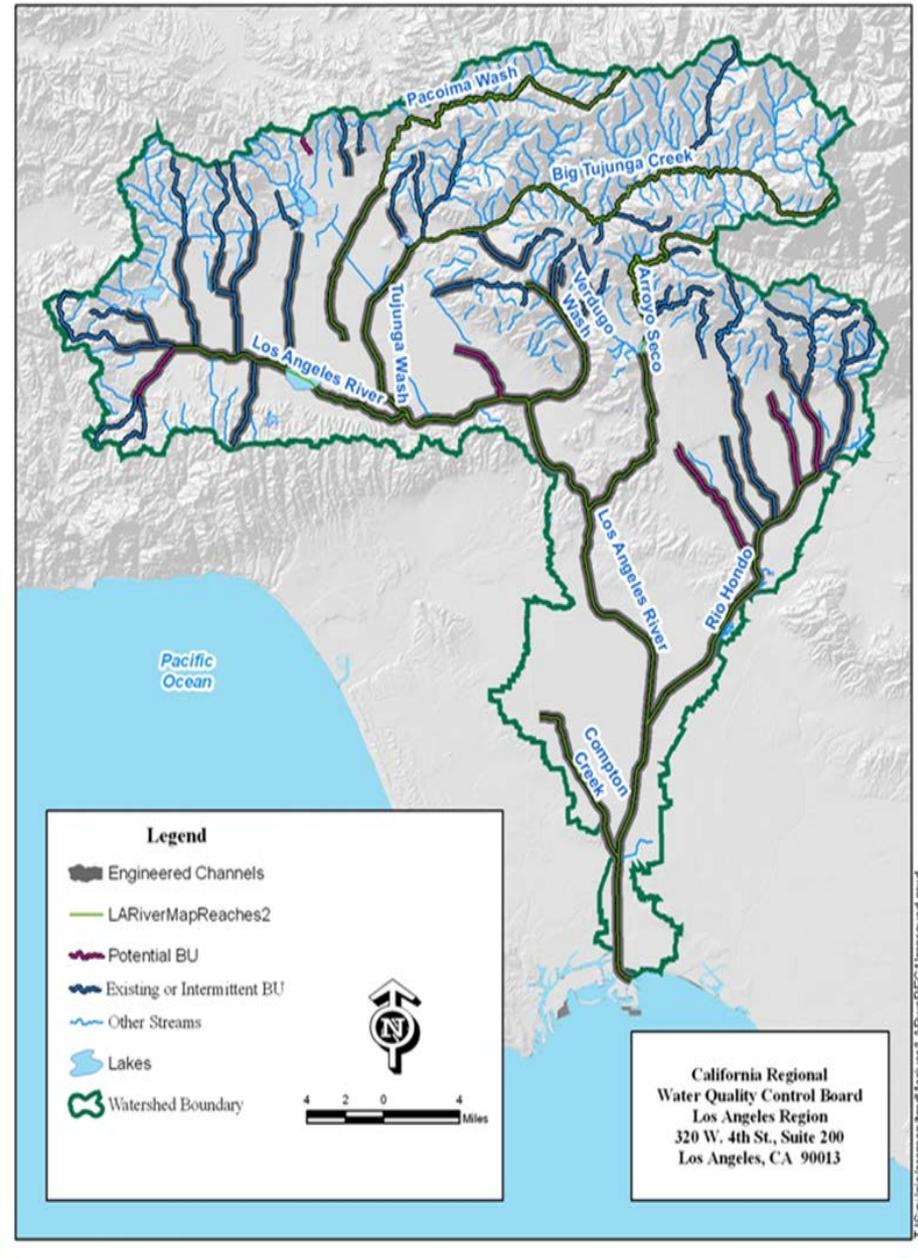


Item 17:
Workshop on the Final Results of the
Los Angeles River Recreational Use
Re-evaluation (RECUR)

Los Angeles Regional Water Quality Control Board
December 5, 2013



Los Angeles River Watershed Engineered Channels



Recreational Use Considerations

Recreational Uses

- Water Contact REC-1
 - Limited Water Contact LREC-1
- Non Water Contact REC-2

Use Classifications

- Existing
 - Intermittent
- Potential

Possible Outcome	Existing Use	Potential Use
Sub-categorize (LREC-1)	✓	✓
Remove	Not applicable*	✓
Confirm	✓	✓
Upgrade	Not applicable	✓

*Unless initially designated incorrectly

Components of REC Use Re-evaluation

- Field Reconnaissance
- Recreational Use Monitoring
 - Visual observations
 - Photo documentation
 - On-site user surveys
- Data/Information Collection and Analysis
- Web-based Recreational Use Survey (KCET)
- Review of Plans for Future Recreational Opportunities
- Consideration of Recent Recreational Development

Stakeholder Participation in RECUR Efforts

Agency	Manner of Participation
Los Angeles County Department of Public Works/Flood Control District	Field Reconnaissance, Flow and Water Depth Data and Measurement, REC Monitoring, Coordinated Monitoring Committee
City of Los Angeles, Bureau of Sanitation	Flow Depth Measurement, REC Monitoring, Coordinated Monitoring Committee
Council for Watershed Health	REC Monitoring, Information Sharing, Coordinated Monitoring Committee
Friends of the Los Angeles River	REC Monitoring, User Surveys, Information Sharing, Coordinated Monitoring Committee
KCET	Web Survey
Councilman Reyes' Office	Web Survey, Coordinated Monitoring Committee
Generation Water	REC Monitoring
Urban Semillas	Review of Spanish Language Questionnaire, Coordinated Monitoring Committee
City of Burbank	REC Monitoring, Coordinated Monitoring Committee
Other Coordinated Monitoring Committee Members	Review of workplan, volunteer operating procedure, field sheets, user survey

Main-stem: Access and REC Activities



Reach 1



Reach 2



Reach 3



Reach 3



Reach 4



Reach 6

Main-stem: Future REC Opportunities



- LA County's LA River Revitalization Plan (1996)
- City of LA's Los Angeles River Revitalization Plan (2007)
 - Opportunity areas
- US Army Corps' LA River Ecosystem Restoration Feasibility Report (2013)

Main-stem: Recent Developments



- EPA Confirms River as TNW July 2010
- Federal Urban Waters Partnership 2011
- Paddle the River
 - Summer 2011, 2012
- Senate Bill 1201
 - August 2012
- LA River REC Zone
 - Summer 2013
- Alternative 13 vs 20
 - On-going

Main-stem REC-1 Sub-categorization?



- May not be justifiable given current use and future opportunities

Recreational Use Considerations

- Physical conditions
 - public access
 - channel configuration and fencing (safety concerns)
 - water depth
 - proximity to recreational facilities
- Current recreational use designations
- Historical and current recreational use
- Plans for future use
- Water quality concerns (including downstream uses)

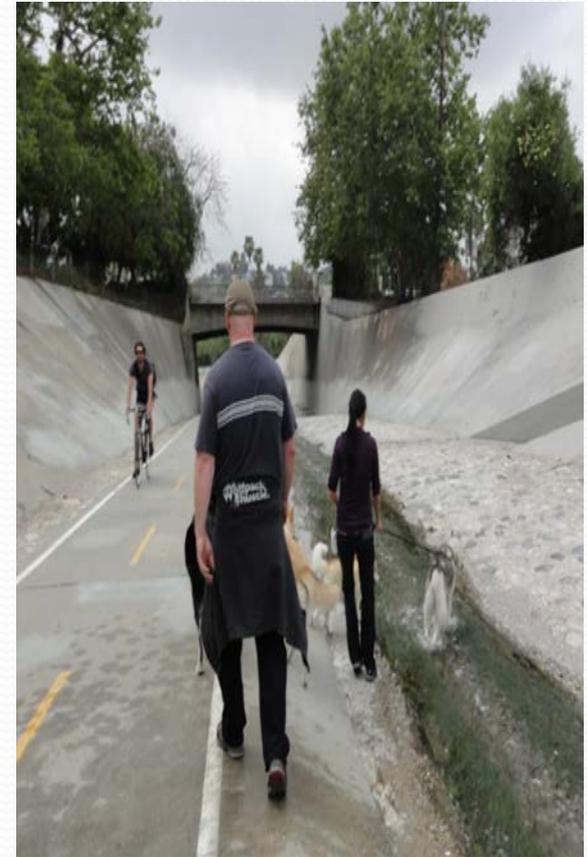
REC Use in the Lower Tributaries



Compton Creek



Rio Hondo

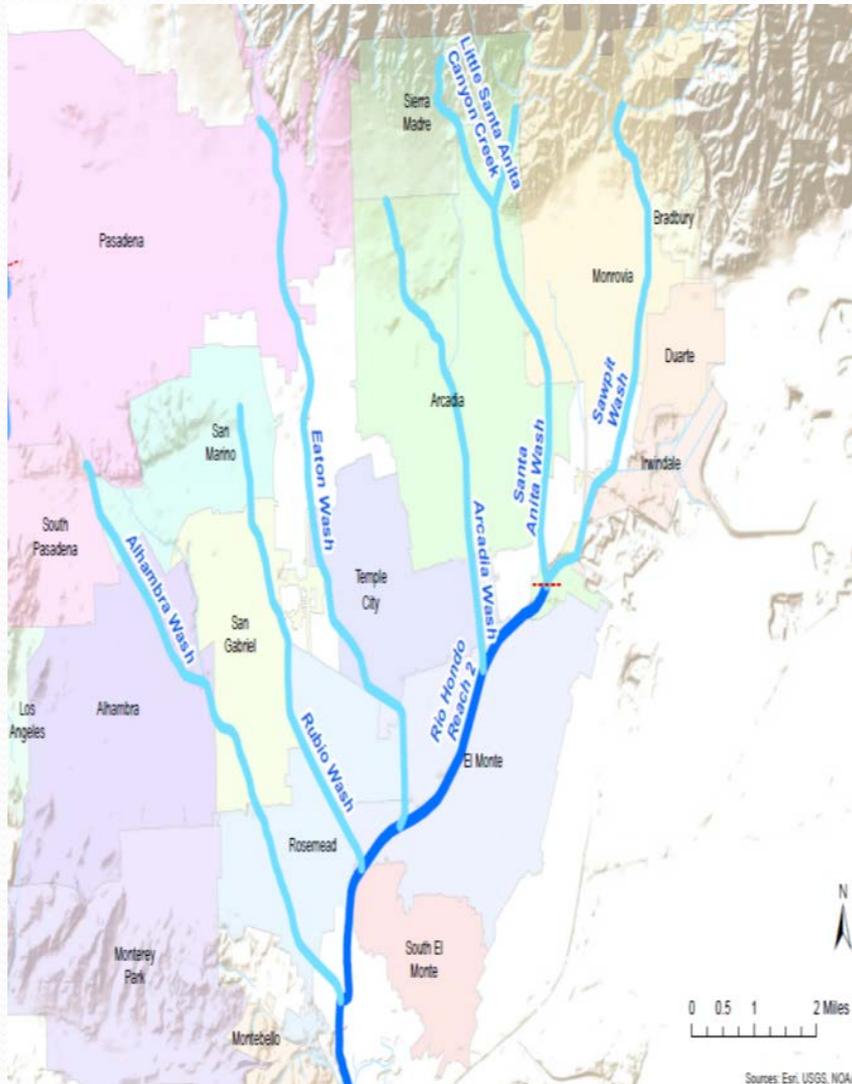


Arroyo Seco

Lower Tributaries - Assessment

	Compton Creek	Rio Hondo	Arroyo Seco
Current REC Designation	Existing REC-1	Potential REC- 1	Intermittent REC-1
Access	Direct	Direct	Direct
Channel Configuration	Vertical - Upstream Sloped -downstream	Sloped	Sloped and Vertical
REC facilities	Bike Path/ Multi-use Trail/Park	Bike Path/ Multi-use Trail/Park	Bike Path/ Multi-use Trail/Park
Average Water Depth (inches)	5.0	2.0	3-5
REC-1 Activity	None observed or reported	Yes	Yes
REC-2 Activity	Yes	Yes	Yes
Future Plans for REC	Yes	Yes	Yes
REC Water Quality (TMDLs)	Bacteria, Trash	Bacteria, Trash	Bacteria, Trash
Downstream REC	Existing REC-1	Existing REC-1	Existing REC-1

Lower LA River Secondary Tributaries



- Tributaries of Rio Hondo
 - Alhambra Wash, Rubio Wash, Eaton Wash, Arcadia Wash, Santa Anita Wash, and Sawpit Wash

Lower LA River Secondary Tributaries_2



Santa Anita Wash



Eaton Wash



Rubio Wash



Alhambra Wash



Arcadia Wash



Sawpit Wash

Middle LA River Tributaries



- LA River Reach 3
 - Verdugo Wash, Burbank Western Channel
- LA River Reach 4
 - Tujunga Wash, Pacoima Wash

REC Use in LA River Middle Tributaries



Verdugo Wash



Burbank Western Channel



Tujunga Wash

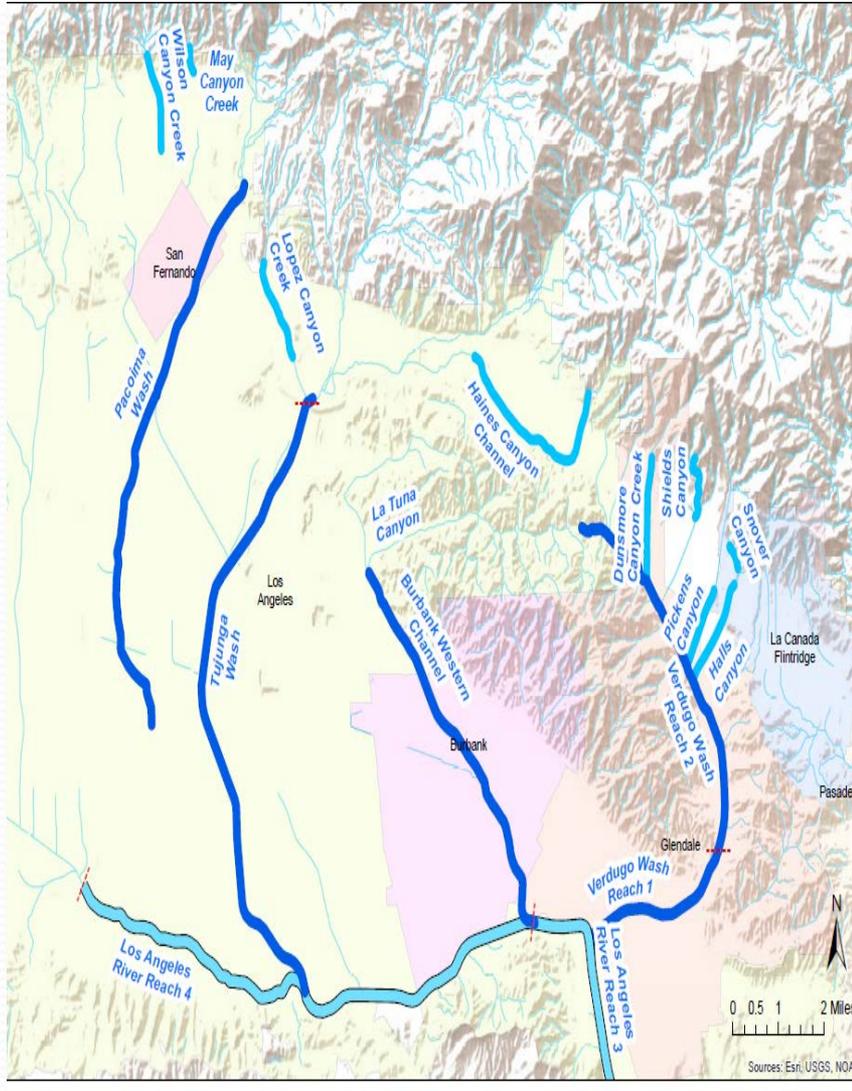


Pacoima Wash

Middle Tributaries - Assessment

	Verdugo Wash	Burbank Western Channel	Tujunga Wash	Pacoima Wash
Current REC Designation	Potential REC- 1	Potential REC- 1	Potential REC- 1	Potential REC- 1
Access	Visual	Visual	Visual	Visual
Channel Configuration	Vertical	Vertical	Vertical	Vertical
REC facilities	Bike Path/ Multi-use Trail/Park	Bike Path/ Multi Use Trail	Bike Path/ Greenway/Park	Multi-use Trail/Park
Average Water Depth (inches)	1.7	2.2	2.1	1.7
REC-1 Activity	No	Yes	No	No
REC-2 Activity	Yes	Yes	Yes	Yes
Future Plans for REC	Yes	No	Yes	Yes
REC Water Quality (TMDLs)	Bacteria, Trash	Bacteria, Trash	Bacteria, Trash	Bacteria, Trash
Downstream REC	Existing REC-1	Existing REC-1	Existing REC-1	Existing REC-1

Secondary Tributaries - Middle LA River



Water body	Tributary to	Miles of Engineered Channel (% Engineered)
Dunsmore Canyon Channel	Verdugo Wash	1.68 (49.2%)
Snover Canyon Channel	Verdugo Wash	0.35 (43.4%)
Pickens Canyon Channel	Verdugo Wash	1.19 (28.3%)
Halls Canyon Channel	Verdugo Wash	1.60 (43.5%)
Shields (Eagle) Canyon Channel	Halls Canyon Channel	0.80 (75.9%)
Las Tunas Canyon Channel	Burbank Western Channel	2.26 (36.1%)
Haines Canyon Channel	Tujunga Wash	3.66 (51.5%)
Lopez Canyon Channel	Tujunga Wash	1.48 (27.8%)
May Canyon Channel	Pacoima Wash	0.34 (20.8%)
Wilson Canyon Creek	Pacoima Wash	1.34 (40.3%)

Secondary Tributaries Middle LA River _2



Dunsmore Canyon Channel



Pickens Canyon Wash



Shields Canyon Channel



Las Tunas Channel



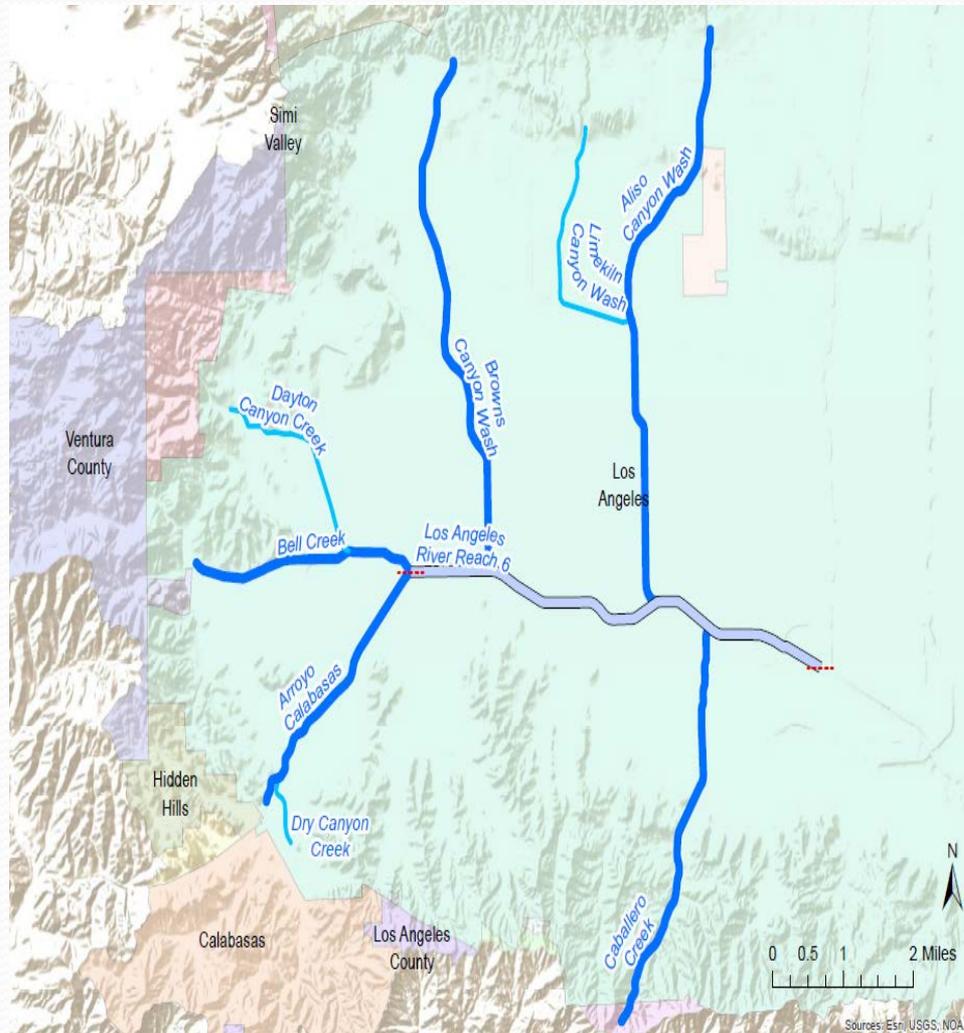
Lopez Canyon Channel



Wilson Canyon Channel

Upper LA River Tributaries

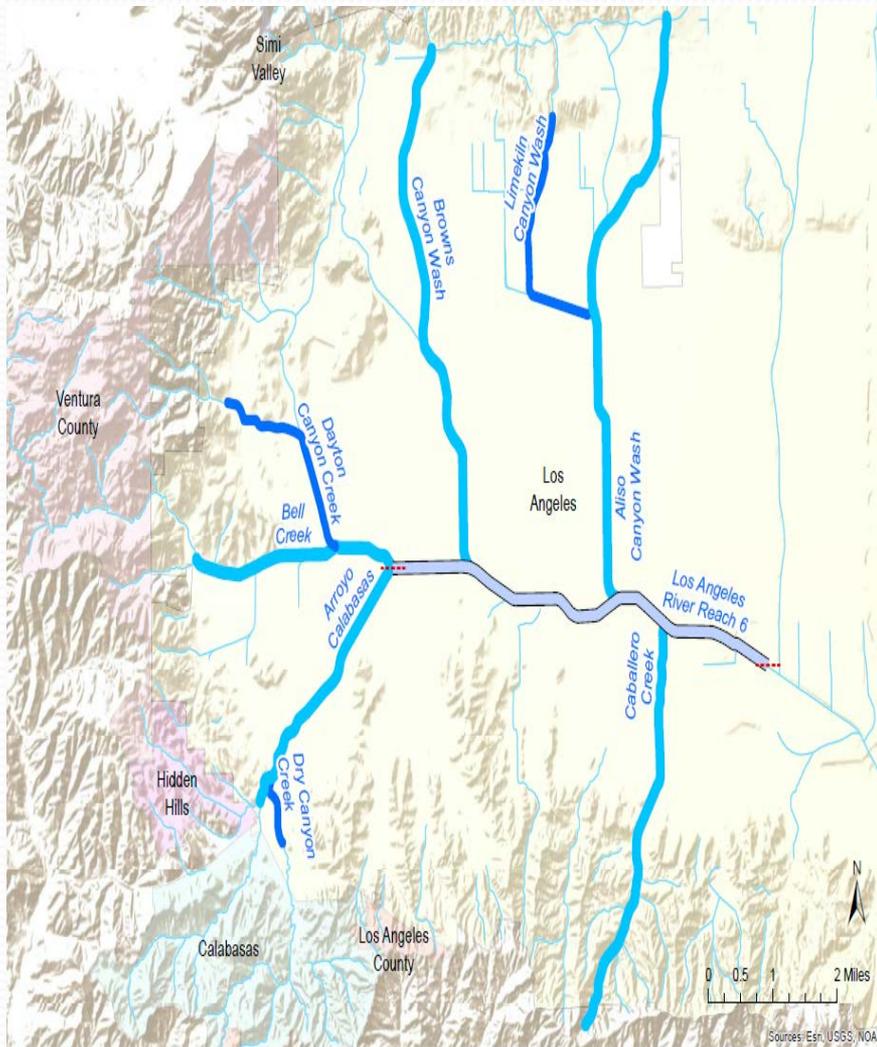
- Bell Creek, Arroyo Calabasas, Browns Canyon Wash, Aliso Canyon Wash, Canyon Wash, Littlekin Canyon Wash, Caballero Creek,



Upper Tributaries - Assessment

	Browns Canyon Wash	Aliso Canyon Wash	Bell Creek	Arroyo Calabasas	Caballero Creek
Current REC Designation	Intermittent REC-1	Intermittent REC-1	Intermittent REC-1	Potential REC- 1	Intermittent REC-1
Access	Visual	Visual	Visual	Visual	Visual
Channel Configuration	Vertical	Vertical	Sloped and Vertical	Vertical	Vertical
REC facilities	Bike Path/ Multi Use Trail/Park	Park	No	No	Golf Course
Range of Water Depth (inches)	0.1-2.2	0.3-4.0	0.1-1.5	0.2-3.0	0.4-3.0
REC-1 Activity	Yes	No	No	No	No
REC-2 Activity	Yes	Yes	No	No	No
Future Plans for REC	No	No	Yes	Yes	Yes
REC Water Quality (TMDLs)	n.a	Bacteria	Bacteria	n.a	n.a
Downstream REC	Existing REC-1	Existing REC-1	Existing REC-1	Existing REC-1	Existing REC-1

Secondary Tributaries - Upper LA River



Water body	Tributary to	Miles of Engineered Channel (% Engineered)
Dayton Canyon Wash	Bell Creek	2.52 (54.0%)
Dry Canyon Wash	Arroyo Calabasas	0.76 (19.5%)
Limekiln Canyon Wash	Aliso Canyon Wash	2.91 (37.06%)

Upper LAR Secondary Tributaries - Assessment

	Dayton Canyon Creek	Dry Canyon Creek	Limekiln Canyon Creek
Current REC Designation	Intermittent REC-1	Intermittent REC-1	Intermittent REC-1
Access	Visual	Visual	Visual
Channel Configuration	Vertical	Vertical	Vertical
REC facilities	No	No	Park
Range of Water Depth (inches)	0.1-1.0	0.1-2.0	0.3-1.6
REC-1 Activity	No	No	No
REC-2 Activity	No	No	No
Future Plans for REC	No	No	No
REC Water Quality (TMDLs)	n.a	Bacteria	n.a
Downstream REC	Intermittent REC-1	Potential REC-1	Intermittent REC-1

Other Considerations

- TMDL Implementation Considerations
 - Modifications may afford greater flexibility for compliance with Bacteria TMDL
- Restoration/Revitalization Considerations
 - No modifications are being considered where there is any indication of future development of REC opportunity

Next Steps



- CEQA Scoping Meeting
 - Dec 2013
- Release of documents for public review and comment
 - Dec 2013
- Regional Board adoption Hearing
 - March 2014