

**TYPE OR PRINT  
IN BLACK INK**  
(For instructions, see  
booklet: "How to File an  
Application to  
Appropriate Water in  
California")



**California Environmental Protection Agency**

State Water Resources Control Board  
Division of Water Rights  
P.O. Box 2000, Sacramento, CA 95812-2000  
Tel: (916) 341-5300 Fax: (916) 341-5400  
www.waterboards.ca.gov/waterrights

STATE WATER RESOURCES CONTROL BOARD  
DIV. OF WATER RIGHTS  
10 SEP 15 PM 2:18  
SACRAMENTO

APPLICATION NO. **31854**

**APPLICATION TO APPROPRIATE WATER**

**1. APPLICANT/AGENT**

	APPLICANT	ASSIGNED AGENT (if any)
Name	Ventura County Watershed Protection District	Analytical Environmental Services
	Elizabeth Martinez, Project Manager	Peter Bontadelli, Project Director
Mailing Address	800 South Victoria Avenue	1801 7th Street Suite 100
City, State & Zip	Ventura, CA 93009-1610	Sacramento, CA 95811
Telephone	(805) 658-4374	(916) 447-3479
Fax	(805) 654-3350	(916) 447-1665
E-mail	Elizabeth.Martinez@ventura.org	pbontadelli@analyticalcorp.com

**2. OWNERSHIP INFORMATION (Please check type of ownership.)**

- Sole Owner
- Limited Partnership\*
- Corporation
- Limited Liability Company (LLC)
- Business Trust
- Joint Venture
- General Partnership\*
- Husband/Wife Co-Ownership
- Other County District - please see Section 2.0 of Attachment 1

\*Please identify the names, addresses and phone numbers of all partners.

**3. PROJECT DESCRIPTION (Provide a detailed description of your project, including, but not limited to, type of construction activity, area to be graded or excavated, and how the water will be used.) Add additional pages if needed and check box below and label as an attachment.**

The proposed project consists of seasonal diversion of peak flows from San Antonio Creek to recharge water to the Ojai Valley Groundwater Basin (OVGB) for groundwater storage. The proposed project would consist of a 4.08-acre spreading grounds operation on the 11.4-acre parcel owned by the Ventura County Watershed Protection District, with the proposed point of diversion located on a privately-owned parcel adjacent and upstream of the spreading grounds. The proposed project would utilize San Antonio Creek peak flows to maximize recharge of water to the OVGB through the revitalization of abandoned diversion works, rehabilitation of four relict settling ponds and the construction of passive percolation recharge wells. The diversion structure is proposed as a concrete headwall with wingwalls and a foundation surrounding the intake pipeline. The structure would be limited in its design to only capture water from San Antonio Creek if flows exceed 10.65 cfs at the point of diversion (5 cfs at the downstream point of compliance). Diverted water would flow by gravity through the intake pipeline to the four, stair-step settling ponds and then flow through a 24-inch pipeline to the four recharge wells. An overflow pipeline would divert excess flows to San Antonio Creek. Water diverted from San Antonio Creek would then be recharged to the Ojai Valley Groundwater Basin, for use by various water purveyors which pump groundwater to subscribers within the jurisdiction of the Ojai Basin Groundwater Management Agency. Please see Section 3.0 of Attachment 1 for more detail on the project description.

For continuation, see Attachment No. 1

Rec'd  
\$10,750.00  
\$850.00 DF  
9/15/10  
M

**4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON**

a. PURPOSE OF USE (irrigation, domestic, etc.)	DIRECT DIVERSION				STORAGE		
	AMOUNT		SEASON OF DIVERSION		AMOUNT	SEASON OF COLLECTION	
	Rate (cfs or gpd)*	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)
To groundwater recharge-	up to 25 cfs	914	November 1	May 31	914	November 1	May 31
for irrigation, municipal,							
domestic & industrial uses							
Please see Section 4.0 of	Attachment 1						
	Total afa	[914]	Total afa		[914]		

See Attachment No. 1 \* If rate is less than 0.025 cubic feet per second (cfs), use gallons per day (gpd).

- b. Total combined amount taken by direct diversion and storage during any one year will be 914 acre-feet.
- c. Reservoir storage is:  onstream  offstream  underground (If underground storage, attach Underground Storage Form.)
- d. County in which diversion is located: Ventura County in which water will be used: Ventura (unincorporated)

**5. SOURCES AND POINTS OF DIVERSION/REDIVERSION**

- a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):
- POD /  PORD # POD A via headwall structure, 24-inch pipeline and open channel by gravity: San Antonio Creek tributary to Ventura River thence Pacific Ocean
- POD /  PORD # \_\_\_\_\_ tributary to Ventura River thence \_\_\_\_\_
- POD /  PORD # \_\_\_\_\_ tributary to Ventura River thence \_\_\_\_\_
- POD /  PORD # \_\_\_\_\_ tributary to \_\_\_\_\_ thence \_\_\_\_\_

If needed, attach additional pages, check box below and label attachment

See Attachment No. 1

- b. State Planar and Public Land Survey Coordinate Description:

POD/PORD #	CALIFORNIA COORDINATES (NAD 83)	ZONE	POINT IS WITHIN (40-acre subdivision)	SECTION	TOWNSHIP	RANGE	BASE AND MERIDIAN
A	N 353834.1, E 1636953.9	5	SW ¼ of SE ¼	32	5N	22W	San Bernardino
			¼ of ¼				
			¼ of ¼				
			¼ of ¼				

If needed, attach additional pages, check box below and label attachment

See Attachment No. 1

- c. Name of the post office most often used by those living near the proposed point(s) of diversion: U.S. Post Office, 201 E. Ojai Avenue, Ojai, California 93025

**6. WATER AVAILABILITY**

- a. Have you attached a water availability analysis for this project?  YES  NO  
 If NO, provide sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation: If needed, attach additional pages, check box below and label attachment.

See attached Hydrological Assessment conducted by Daniel B. Stephens and Associates, 2006 (Appendix B to Attachment 1). Please refer to Section 4.0 and 6.0 of Attachment 1 for more details.

See Attachment No. 1

- b. Is your project located on a stream system declared to be fully appropriated by the State Water Resources Control Board (State Water Board) during your proposed season of diversion?  
 YES  NO
- c. In an average year, does the stream dry up at any point downstream of your project?  YES  NO  
 If YES, during which months?  Jan  Feb  Mar  Apr  May  Jun  Jul  Aug  Sep  Oct  
 Nov  Dec
- d. What alternate sources of water are available if a portion of your requested diversion season must be excluded because water is not available for appropriation? (e.g., percolating groundwater, purchased water, etc.) If needed, attach additional pages, check box below and label attachment  
 Local water purveyors would import diverted Ventura River surface water from Lake Casitas to supplement groundwater usage, as currently performed.

See Attachment No. 1

**7. PLACE OF USE**

a.

USE IS WITHIN (40-acre subdivision)	SECTION*	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
1/4 of 1/4	Please see					<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4	Section 7.0 of					<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4	Attachment 1					<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
Total Acres:						

\*Please indicate if section is projected with a "(P)" following the section number.

See Attachment No. 1 Please provide the Assessor's Parcel Number(s) for the place of use:  
The Place of Use consists of several thousand parcels over a 10,528-acre area.

**8. PROJECT SCHEDULE**

Project is:  proposed,  partially complete or  complete (Year completed - \_\_\_\_\_).

Extent of completion: The depth-discrete monitoring well was installed in July 2010 to assist with project design and to monitor water levels in the Ojai Valley Groundwater Basin in five aquifer zones. No other components of the proposed project have been constructed.

Please see Section 8.0 of Attachment 1 for more details.

Estimated amount of time in years it will take for construction to be completed: Between 9 and 36 months.

Estimated amount of time in years it will take for water to be put to full beneficial use: This will depend on San Antonio Creek flows, but is estimated to take up to 10 years (Please see Section 8.0 of Attachment 1 for more details).

**9. JUSTIFICATION OF AMOUNTS REQUESTED**

a.  IRRIGATION: Maximum area to be irrigated in any one year: estimated 2,537.39 acres.

CROP	ACRES	METHOD OF IRRIGATION (sprinklers, flooding, etc.)	WATER USE (Acre-foot/Yr.)	SEASON OF WATER USE	
				Beginning date (month & day)	Ending date (month & day)
Various crops in the Ojai Valley		various methods	average 6,564	all year	all year
(within the Ojai Basin Groundwater Management Agency service area)		Please see Section 9.0 of Attachment 1	(2000-2008)		

See Attachment No. 1

b.  DOMESTIC: Number of residences to be served: Approx. 5,000 Separately owned?  
 YES  NO Number of people to be served: approx. 18,000 Estimated daily use per person is:  
55 gallons per day Area of domestic lawns and gardens: \_\_\_\_\_ square feet  
 Incidental domestic uses:  
 Please see Section 9.0 of Attachment 1

(dust control area, number and kind of domestic animals, etc.)

a.  STOCKWATERING: Kind of stock: \_\_\_\_\_ Maximum number: \_\_\_\_\_  
 Describe type of operation: \_\_\_\_\_  
 (feedlot, dairy, range, etc.)

d.  RECREATIONAL: Type of recreation:  Fishing  Swimming  Boating  Other \_\_\_\_\_

e.  MUNICIPAL:

POPULATION List for 5-year periods until use is completed		MAXIMUM MONTH		ANNUAL USE		
Period	Population	Average daily use (gallons per capita)	Rate of diversion (cfs)	Average daily use (gallons per capita)	Acre-foot (per capita)	Total (acre-feet)
Present						
Please see Section	9.0 of Attachment 1					

See Attachment No. 1

Month of maximum use during year: \_\_\_\_\_  
 Month of minimum use during year: \_\_\_\_\_

f.  HEAT CONTROL: Area to be heat controlled: \_\_\_\_\_ net acres  
 Type of crops protected: \_\_\_\_\_  
 Rate at which water is applied to use: \_\_\_\_\_ gpm per acre  
 Heat protection season will begin \_\_\_\_\_ and end \_\_\_\_\_  
 (month and day) (month and day)

g.  FROST PROTECTION: Area to be frost protected: \_\_\_\_\_ net acres  
 Type of crops protected: \_\_\_\_\_  
 Rate at which water is applied to use: \_\_\_\_\_ gpm per acre  
 The frost protection season will begin \_\_\_\_\_ and end \_\_\_\_\_  
 (month & day) (month & day)

h.  INDUSTRIAL: Type of industry: \_\_\_\_\_

Basis for determination of amount of water needed: \_\_\_\_\_

- i.  MINING: Name of the claim: \_\_\_\_\_  Patented  Unpatented  
 Nature of the mine: \_\_\_\_\_ Mineral(s) to be mined: \_\_\_\_\_  
 Type of milling or processing: \_\_\_\_\_  
 After use, the water will be discharged into \_\_\_\_\_ (watercourse)  
 in \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_, T \_\_\_\_\_, R \_\_\_\_\_, \_\_\_\_\_ B. & M.
- j.  POWER: Total head to be utilized: \_\_\_\_\_ feet  
 Maximum flow through the penstock: \_\_\_\_\_ cfs Maximum theoretical horsepower capable of  
 being generated by the works (cfs x fall ÷ 8.8): \_\_\_\_\_  
 Electrical capacity (hp x 0.746 x efficiency): \_\_\_\_\_ kilowatts at: \_\_\_\_\_ % efficiency  
 After use, the water will be discharged into \_\_\_\_\_ (watercourse)  
 in \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_, T \_\_\_\_\_, R \_\_\_\_\_, \_\_\_\_\_ B&M. FERC No.: \_\_\_\_\_
- k.  FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: List specific species and  
 habitat type that will be preserved or enhanced: \_\_\_\_\_
- l.  OTHER: Describe use: \_\_\_\_\_  
 Basis for determination of amount of water needed: \_\_\_\_\_

**10. DIVERSION AND DISTRIBUTION METHOD**

- a. Diversion will be by gravity by means of: intake structure with headwall to a 24-inch pipe; see Appendices C and D of Attachment 1  
 (dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)
- b. Diversion will be by pumping from: N/A  
 (sump, offset well, channel, reservoir, etc)  
 Pump discharge rate: \_\_\_\_\_  cfs or  gpd Horsepower: \_\_\_\_\_  
 Pump Efficiency: \_\_\_\_\_

c. Conduit from diversion point to first lateral or to offstream storage reservoir:

CONDUIT (pipe or channel)	MATERIAL (type of pipe or channel lining; indicate if pipe is buried or not)	CROSS-SECTION (pipe diameter, or ditch depth and top and bottom width) (inches or feet)	LENGTH (feet)	TOTAL LIFT OR FALL		CAPACITY (cfs, gpd or gpm)
				feet	+ or -	
pipe	steel pipe	24-inch diameter	approx. 360'			up to 25 cfs
Please see Section 3.0 and		Appendices C and D of Attachment 1				

See Attachment No. 1

d. Storage reservoirs: (For underground storage, complete and attach underground storage form)

RESERVOIR NAME OR NUMBER	DAM				RESERVOIR		
	Vertical height from downstream toe of slope to spillway level (feet)	Construction material	Length (feet)	Freeboard: dam height above spillway crest (feet)	Surface area when full (acres)	Capacity (acre-feet)	Maximum water depth (feet)
Please see					6,830	70,000-85,000	737.7
Sections 3.0 and					(Ojai Valley		measured in 1928
4.0 of Attachment 1					Groundwater	Basin)	

See Attachment No. 1

e. Outlet pipe: Complete for storage reservoirs having a capacity of 10 acre-feet or more.

RESERVOIR NAME OR NUMBER	OUTLET PIPE				
	Diameter in inches	Length in feet	Fall: Vertical distance between entrance and exit of outlet pipe in feet	Head: Vertical distance from spillway to entrance of outlet pipe in feet	Dead Storage: Storage below entrance of outlet pipe in acre-feet
None					
See Appendix C to					
Attachment 1					

See Attachment No. 1

e. If water will be stored and the reservoir is not at the point of diversion, the maximum rate of diversion to off-stream storage will be <sup>25</sup> \_\_\_\_\_ cfs. Diversion to offstream storage will be made by:  
 Pumping  Gravity

**11. CONSERVATION AND MONITORING**

a. What methods will you use to conserve water? Explain.

Conservation of groundwater resources is primarily through the water purveyor which services residences and farmers in the Ojai Valley. Please see Section 11.0 of Attachment 1 for conservation measures implemented by water purveyors.

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b. How will you monitor your diversion to be sure you are within the limits of your water right and you are not wasting water?  Weir  Meter  Periodic sampling  Other (describe)

Limits of the water right will be monitored in two ways: 1) the passive diversion by gravity through a 24-inch pipeline will limit the amount of water diverted and 2) the maintenance of water flows at the downstream point of compliance of 5 cfs at the Ventura County stream gauge #605 at the Grand Avenue Bridge. Water diverted for recharge to the OVGB will be conserved as described in element 11a above.

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**12. RIGHT OF ACCESS**

a. Does the applicant own all the land where the water will be diverted, transported and used?  
 YES  NO

If NO, I  do  do not have a recorded easement or written authorization allowing me access.

b. List the names and mailing addresses of all affected landowners and state what steps are being taken to obtain access:

Ojai Orange Grove, LLC. 130 S. Sycamore Avenue, Los Angeles, California 90036. A letter of authorization and access permit from this landowner is presented in Appendix A of Attachment 1.

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See Attachment No. 1

**13. EXISTING WATER RIGHTS AND RELATED FILINGS**

a. Do you claim an existing right for the use of all or part of the water sought by this application?  
 YES  NO

If YES, please specify:  Riparian  Pre-1914  Registration  Permit  License  
 Percolating groundwater  Adjudicated  Other (specify) \_\_\_\_\_

b. For each existing right claimed, state the source, year of first use, purpose, season and location of the point of diversion (to within quarter-quarter section). Include number of registration, permit, license, or statement of water diversion and use, if applicable.

The Ventura County Watershed Protection District does not claim any existing water rights in San Antonio Creek or in the Ventura River.

However, there are other water right applications and permits downstream and in the vicinity of the proposed project. These water rights are detailed in Section 13.0 (Tables 4 and 5) of Attachment 1.

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See Attachment No. 1

c. List any related applications, registrations, permits, or licenses located in the proposed place of use or that utilize the same point(s) of diversion.

None utilize the same point of diversion; See Section 13.0 of Attachment 1.

See Attachment No. 1

**14. OTHER SOURCES OF WATER**

Are you presently using, or do you intend to use, purchased water or water supplied by contract in connection with this project?  Yes  No If yes, please explain: As currently performed, diverted water from Ventura River (Lake Casitas) is imported by water purveyors to supplement groundwater use in the OVGB.

**15. MAP REQUIREMENTS**

The Division cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the quarter/quarter, section, township, range, and meridian of (1) the proposed points of diversion and (2) the place of use. A copy of a U.S.G.S. quadrangle/topographic map of your project area is preferred, and can be obtained from sporting goods stores or through the Internet at <http://topomaps.usgs.gov>. A certified engineering map is required when (1) appropriating more than three cubic feet per second by direct diversion, (2) constructing a dam which will be under the jurisdiction of the Division of Safety of Dams, (3) creating a reservoir with a surface area in excess of ten acres or (4) appropriating more than 1,000 acre-feet per annum by underground storage.

See the instruction booklet for more information.

See Attachment No. 1

**ENVIRONMENTAL INFORMATION**

Note: Before a water right permit may be issued for your project, the State Water Board must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared for your project, a determination must be made of who is responsible for its preparation. If the State Water Board is determined to be responsible for preparing the CEQA document, the applicant will be required to pay all costs associated with the environmental evaluation and preparation of the required documents. Please answer the following questions to the best of your ability and submit with this application any studies that have been conducted regarding the environmental evaluation of your project.

**16. COUNTY PERMITS**

a. Contact your county planning or public works department and provide the following information:

Person contacted: not yet contacted Date of contact: \_\_\_\_\_

Department: \_\_\_\_\_ Telephone: (\_\_\_\_) \_\_\_\_\_

County Zoning Designation: \_\_\_\_\_

APN 014-0-050-160 (11.4 acres): AE-40 (Agricultural Exclusive, 40 acres); APN 014-0-050-175 (20.87 acres): OS-20 (Open Space, 20 acres)

Are any county permits required for your project?  YES  NO If YES, check appropriate box below:

Grading permit  Use permit  Watercourse  Obstruction permit  Change of zoning

General plan change  Other (explain): \_\_\_\_\_

No permits are anticipated to be required for the proposed project. Please see Section 16.0 of Attachment 1.

b. Have you obtained any of the required permits described above?  YES  NO

If YES, provide a complete copy of each permit obtained.

See Attachment No. \_\_\_\_\_

**17. STATE/FEDERAL PERMITS AND REQUIREMENTS**

- a. Check any additional state or federal permits required for your project:  
 Federal Energy Regulatory Commission  U.S. Forest Service  U.S. Bureau of Land Management  U.S. Corps of Engineers  U.S. Natural Res. Conservation Service  Calif. Dept. of Fish and Game  State Lands Commission  Calif. Dept. of Water Resources (Div. of Safety of Dams)  Calif. Coastal Commission  State Reclamation Board  Other (specify) \_\_\_\_\_  
 USFWS (Section 7 consultation), RWQCB (Section 401, 402)

b. For each agency from which a permit is required, provide the following information:

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.
Please see Section 17.0				
of Attachment 1				

See Attachment No. 1

- c. Does your proposed project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank, or riparian habitat of any stream or lake?  YES  NO  
 If YES, explain:

The installation of the diversion structure and intake pipeline will require alteration to the bed and/ or bank of San Antonio Creek, as well as the installation of the overflow pipe from the spreading basins. A streambed alteration agreement under Section 1603 will be sought with the CDFG.

See Attachment No. \_\_\_\_\_

- b. Have you contacted the California Department of Fish and Game concerning your project?  
 YES  NO If YES, name, telephone number and date of contact:

Mary Larson, 562-342-7186 on April 27, 2010; Natasha Lohmus, 805-684-6281 on April 27, 2010. Please see Section 17.0 of Attachment 1 for more details.

**18. ENVIRONMENTAL DOCUMENT**

- a. Has any California public agency prepared an environmental document for your project?  
 YES  NO
- b. If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency. Public agency: \_\_\_\_\_

c. If NO, check the appropriate box and explain below, if necessary:

- The applicant is a California public agency and will be preparing the environmental document.\*  
 I expect that the State Water Board will be preparing the environmental document.\*\*  
 I expect that a California public agency other than the State Water Board will be preparing the environmental document.\* Public agency: \_\_\_\_\_  
 See Attachment No. \_\_\_\_\_

\* **Note:** When completed, submit a copy of the final environmental document (including notice of determination) or notice of exemption to the State Water Board, Division of Water Rights and proof of payment of the State Clearinghouse filing fee. Processing of your application cannot be completed until these documents are submitted.

\*\* **Note:** CEQA requires that the State Water Board, as Lead Agency, prepare the environmental document. The information contained in the environmental document must be developed by the applicant and at the applicant's expense under the direction of the State Water Board, Division of Water Rights.

**19. WASTE/WASTEWATER**

- a. Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation?  YES  NO

If YES, or you are unsure of your answer, explain below and contact your local Regional Water Quality Control Board for the following information (See instruction booklet for address and telephone no.):

The project will implement Best Management Practices (BMPs) following Stormwater Discharges Associated with Construction Activity (WQO 99-08-DWQ) and Stormwater Pollution Prevention Plan (SWPPP) preparation will ensure that no impacts to stormwater or other waters occur during construction of the proposed project. Please see Section 19.0 of Attachment 1 for more details.

See Attachment No. 1

- b. Will a waste discharge permit be required for your project?  YES  NO  
 Person contacted: Not yet contacted Date of contact: \_\_\_\_\_

- c. What method of treatment and disposal will be used? \_\_\_\_\_  
 BMPs will be implemented to ensure that impacts to water are minimized. Please see Section 19.0 of Attachment 1 for more details.

See Attachment No. 1

**20. ARCHEOLOGY**

- a. Have any archeological reports been prepared on this project?  YES  NO  
 b. Will you be preparing an archeological report to satisfy another public agency?  YES  NO  
 c. Do you know of any archeological or historic sites located within the general project area?  
 YES  NO If YES, explain:

A Negative Archeological Survey Report was completed for the Initial Study for the proposed project. No archaeological or historic sites are known from the general project area. Please see Section 20.0 of Attachment 1 for more details.

See Attachment No. 1

**21. ENVIRONMENTAL SETTING**

Attach **two complete sets of color photographs**, clearly dated and labeled, showing the vegetation that exists at the following three locations:

- Along the stream channel immediately downstream from the proposed point(s) of diversion.
  - Along the stream channel immediately upstream from the proposed point(s) of diversion.
  - At the place(s) where the water is to be used.
- See Attachment No. 1

**SUBMITTAL FEES**

Calculate your application filing fee using the "Water Right Fee Schedule Summary" that was enclosed in the application packet. The "Water Right Fee Schedule Summary" can also be viewed at the Division of Water Rights' website ([www.waterrights.ca.gov](http://www.waterrights.ca.gov)).

A check for the application filing fee, payable to the "Division of Water Rights" and an \$850 check for the Streamflow Protection Standards review fee [Pub. Resources Code § 10005(a)], payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. If the application fees are not received, your application will not be accepted and will be returned to you. Please check the fee schedule for any fee changes prior to submitting the application.

## DECLARATION AND SIGNATURE

I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief. I authorize my agent, if I have designated one above, to act on my behalf regarding this water right application.

	Director	SEP 14 2010
Signature of Applicant	Title or Relationship	Date

Signature of Co-Applicant (if any)	Title or Relationship	Date
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**Applications that are not completely filled out and/or do not have the appropriate fees will not be accepted. In the event that the Division has to return the application because it is incomplete, a portion of the application submittal fee will be charged for the initial review.**

### “APPLICATION TO APPROPRIATE WATER” CHECKLIST

**Before you submit your application, be sure to:**

- Answer each question completely.
- Number, label and include all necessary attachments.
- Include a legible map that meets the requirements discussed in the instruction booklet.
- Include the Water Availability Analysis or sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation.
- Include two complete sets of color photographs of the project site.
- Enclose a check for the required fee, payable to the Division of Water Rights.
- Enclose an \$850 check for the Streamflow Protection Standards review fee, payable to the Department of Fish and Game.
- Sign and date the application.

**Send the original and one copy of the entire application to:**

State Water Resources Control Board  
 Division of Water Rights  
 P.O. Box 2000  
 Sacramento, CA 95812-2000

***STATE WATER RESOURCES CONTROL BOARD***

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***UNDERGROUND STORAGE SUPPLEMENT***



# State Water Resources Control Board



Alan C. Lloyd, Ph.D.  
Agency Secretary

Division of Water Rights  
1001 I Street, 14<sup>th</sup> Floor ♦ Sacramento, California 95814 ♦ 916.341.5300  
Mailing Address: P.O. Box 2000 ♦ Sacramento, California 95812-2000  
FAX: 916.341.5400 ♦ www.waterrights.ca.gov

Arnold Schwarzenegger  
Governor

APPLICATION NO. \_\_\_\_\_  
(Leave blank)

## UNDERGROUND STORAGE SUPPLEMENT to APPLICATION TO APPROPRIATE WATER BY PERMIT

1. State amount of water to be diverted to underground storage from each point of diversion in item 3b of form APP.

- a. Maximum Rate of diversions (1) up to 25 (2) (when available) (3) \_\_\_\_\_ cfs
- b. Maximum Annual Amount (1) 914 (2) (when available) (3) \_\_\_\_\_ acre-feet

2. Describe any works used to divert to offstream spreading grounds or injection wells not identified in item 7 of form APP.

All works and project components are described in Section 3.0 of Attachment 1. The elevation of the diversion intake structure is such that it can only divert water when the flow at the point of diversion exceeds 10.65 cfs. Once the water reaches this level it passes through the trash rack/ fish screen and into the 24-inch diameter intake pipeline, which has a maximum design capacity of 25 cfs.

3. Describe spreading grounds and identify its location and number of acres or location of upstream and downstream limits if onstream.

The entire spreading grounds consists of approximately 4 acres within the 11.4-acre parcel. Four settling ponds are proposed for rehabilitation and four recharge wells are proposed for construction within the spreading grounds of the proposed project.

4. State depth of groundwater table in spreading grounds or immediate vicinity:

186.8 feet below ground surface on Aug. 13, 2010 19 measured at a point located within the SE ¼ of SW ¼ of Section 32, T 5N, R 22W, SB B&M

5. Give any historic maximum and or minimum depths to the groundwater table in the area.

Location same as above Maximum 189.8 feet below ground surface on 4/26/1928 (date)  
Location same as above Maximum 233.0 feet below ground surface on 11/22/1928 (date)

6. Describe proposed spreading operation. A headwall diversion structure captures water from San Antonio

Creek if flows exceed 10.65 cfs (5 cfs at downstream point of compliance). Diverted water would flow through the intake pipeline to the four, stair-step settling ponds via basin transfer channels to the four recharge wells. An overflow pipeline would divert excess flows to San Antonio Creek.

7. Describe location, capacity and features of proposed pretreatment facilities and/or injected wells. All transfer pipelines are designed to accommodate flow of up to 25 cfs (when available). Recharge wells would be installed

at varying depths (between 90' and 110') to transfer water to Zone A or B aquifer levels. Each well would have a steel casing to monitor the amount of water transferred to the aquifer. A depth-discrete monitoring well, downstream of the recharge wells, would monitoring all aquifer zones.

8. Reference any available engineering reports, studies, or data on the aquifer involved.

Please refer to Appendices B and C of Attachment 1 (Daniel B. Stephens and Associates) - Hydrological Assessment for the San Antonio Creek Sub-Watershed (2006) and 50% Design Narrative for the San Antonio Creek Spreading Grounds Rehabilitation Project (Sept. 2010).

Additional copies of this form and water right information can be obtained at [www.waterrights.ca.gov](http://www.waterrights.ca.gov).

9. Describe underground reservoir and attach a map or sketch of its location. The Ojai Valley Groundwater Basin (OVGB) encompasses approximately 10.7 square miles (6,830 acres) and is located within the San Antonio Creek Watershed. Approximately 145 wells are registered as active with the Ojai Basin Groundwater Management Agency (OBGMA). Well yields within the OVGB range from 10-200 gallons/ minute (DWR 2003). The location of the OVGB is depicted in Figures 2 and 5 of Attachment 1.

10. State estimated storage capacity of underground reservoir. The total capacity of the OVGB is estimated between 70,000- 85,000 acre-feet (overflowing), and reached this amount in 2005. The lowest level for the OVGB was 43,471 acre-feet, recorded in 1951. Estimated "safe yield" is 7,000-8,000 acre-feet. Between 1981 and 2005, groundwater use averaged 5,170 acre-feet per annum.

11. Describe existing use of the underground storage reservoir and any proposed change in its use. The OVGB serves as a water source for Ojai Valley and the surrounding communities. Water purveyors in the area within the OBGMA pump water for irrigation, domestic and municipal purposes. The proposed project is projected to reduce the need to import water from the Casitas MWD by approximately 246-731 acre-feet per annum by increasing the amount of groundwater available in the OVGB.

12. Describe the proposed method and location of measurement of water placed into and withdrawn from underground storage. The proposed measurement of water to be recharged to the OVGB includes the design of the diversion structure (elevation of 24" Intake pipeline), which would divert surface flows from San Antonio Creek only if flows exceed 10.65 cfs. The transfer pipelines are designed to accommodate up to 25 cfs. Flows over this amount will be transported back to San Antonio Creek via an overflow pipeline. An electromagnetic flow meter would be placed on the 24-inch intake pipeline to measure water diversion from the creek, and another flow meter would be placed on the 24-inch recharge pipeline prior to the recharge wells. Measurement of water recharged to the OVGB aquifers include measurements using PVC casings within each recharge well. In addition, a depth-discrete monitoring well will regularly monitor groundwater levels within the OVGB. Water withdrawn from the OVGB is measured by the OBGMA, other water purveyors and well owners.

The OBGMA requires that pump users report amounts withdrawn twice annually, and is considering the metering of all wells within 5 years.