

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)
<i>KMB 12/30/09</i> DOMESTIC + HYDROELECTRIC	6.0 CFS	450	SEE ATTACHED NOTE 4A		450	11/1	7/1
	Total afa	450	Total afa		450		

See Attachment No. ~~4A~~ * 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 450 acre-feet.

c. Reservoir storage is: onstream offstream underground (If underground storage, attach Underground Storage Form.) N/A

d. County in which diversion is located: PLACER County in which water will be used: PLACER

5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):

POD / PORD # SUGAR PINE RESERVOIR / NO. SHIRTAIL CANYON CREEK tributary to SHIRTAIL CANYON CREEK thence NORTH FORK AMERICAN RIVER

POD / PORD # OFF STREAM REGULATING RESERVOIR tributary to _____ thence _____

POD / PORD # _____ tributary to _____ thence _____

POD / PORD # _____ tributary to _____ thence _____

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

See Attachment No. _____

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
<i>KMB 12/30/09</i> POD #	390713.65 N 2175686 N 1324801.02 W 6,901,861 E	2	NE 1/4 of SW 1/4	24	15N	10E	MD
PORD #	390713.65 N 2,145,268 N 1324801.02 W 6,902,634 E	2	NE 1/4 of NW 1/4	24	14N	10E	MD
			1/4 of 1/4				
			1/4 of 1/4				

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

See Attachment No. _____

c. Name of the post office most often used by those living near the proposed point(s) of diversion: FORESTHILL

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 Attachment No. 6A - AND SEE WATER AVAILABILITY ANALYSIS ATTACHED

- 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 BUT NOT APPLICABLE - SEE NOTE 6B
- 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
PERCOLATING + GROUND + RIPARIAN WATER
 See Attachment No.

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	<u>SEE ATTACHED</u>					<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
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. 7 Please provide the Assessor's Parcel Number(s) for the place of use:
SEE NOTE 7-A

8. PROJECT SCHEDULE

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

Extent of completion: IN ENTITLEMENT STAGE. USE OF PROPERTY APPROVED BY COUNTY OF PLACER BOARD OF SUPERVISORS IN 2008

Estimated amount of time in years it will take for construction to be completed: 20

Estimated amount of time in years it will take for water to be put to full beneficial use: 20

9. JUSTIFICATION OF AMOUNTS REQUESTED

a. IRRIGATION: Maximum area to be irrigated in any one year: _____ 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)

See Attachment No. _____

b. DOMESTIC: Number of residences to be served: 2250 Separately owned? YES
 YES NO Number of people to be served: 4405 Estimated daily use per person is:
60 gallons per day Area of domestic lawns and gardens: ⊗ square feet
 Incidental domestic uses:
⊗ SEE NOTES 9A-9E
 (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	<u>⊕</u>					
<u>0-5</u>	<u>700</u>					
<u>6-10</u>	<u>1900</u>					
<u>11-15</u>	<u>3100</u>					
<u>16-20</u>	<u>4405</u>					

See Attachment No. 9E

Month of maximum use during year: JULY
 Month of minimum use during year: MARCH

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: PIPE
 (dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)
- b. Diversion will be by pumping from: _____
 (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 -	

See Attachment No. 10c

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)

See Attachment No. 10d

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

See Attachment No. 10E

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 0.9 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.

ALL USE IS METERED
POTABLE AND NON-POTABLE WATER IS DISTRIBUTED
SEPARATELY
TREATED WASTEWATER USED FOR IRRIGATION

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)

12. RIGHT OF ACCESS

a. Does the applicant own all the land where the water will be diverted, transported and used?
 YES NO SEE NOTE 12A + 12B

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:

NONE - SEE NOTE 12A + 12B

See Attachment No. 12A + 12B

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) SEE NOTE 13A

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.

RIGHT IS INDIRECT. APPLICANT'S PROPERTY - A PORTION OF -
RESIDES WITHIN PERMIT 15375'S SERVICE BOUNDARY.

See Attachment No. 13A, 13B

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.

SEE NOTE 13C

See Attachment No. 13C

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: _____

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. 15

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: LOREN CLARK Date of contact: ON-GOING
Department: PLANNING Telephone: (530) 745 3016
County Zoning Designation: FOREST RANCH FUTURE STUDY AREA

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): _____

SEE NOTE 16A

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)

SEE NOTE 17A

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

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.
RWQCB	WDR	ROBIN MORAD	2/5/09	916 464 3291

See Attachment No. ____

- 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:

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:

SHARON STORER 916-341-5363

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:

PLACER COUNTY - SEE NOTE 18B

- 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.):

SEE ATTACHMENT / NOTE 19A

See Attachment No. 19A

- b. Will a waste discharge permit be required for your project? YES NO
 Person contacted: ROBIN MORAD Date of contact: 2/5/09

- c. What method of treatment and disposal will be used? TREATMENT - TERTIARY DISPOSAL - PRIMARILY LAND; DURING HEAVY STORMS, MAY SEEK CREEK DISCHARGE PERMIT

See Attachment No.

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:

SEE ATTACHMENT / NOTE ITEM 20C

See Attachment No. 20C

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. 21

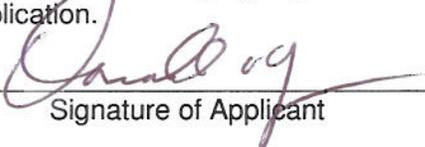
SUBMITTAL FEES

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).

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.

 Signature of Applicant	Partner Title or Relationship	10-23-09 Date
Signature of Co-Applicant (if any)	Title or Relationship	Date

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

2009 OCT 28 AM 11:12

DIV. OF WATER RIGHTS
SACRAMENTO

State Water Resources Control Board
Division of Water Rights
State of California
PO Box 2000
Sacramento, CA 95812-2000

Dear Division of Water Rights:

This application seeks appropriation of 450 acre-feet of water per year under the authority of Water Code sections 106.5 / 1203 / 1462. These statutes further the state's policy of encouraging putting water to its maximum beneficial use by permitting temporary appropriation of water rights held by a municipality until such time as the municipality requires use of the water for municipal purposes. The State Water Board, in Decision 858, declared "that, if possible, permits for the temporary appropriation of surplus should be granted to those who may proceed with construction and apply the water to beneficial use in the interim".

Appropriation of water under these statutes does not result in the appropriation of new water nor does it affect the status of the fully appropriated status of any stream system.

At present, the Foresthill Public Utility District stores water in excess of its present need in Sugar Pine Reservoir. The attached water availability analysis evaluates the reservoir's ability to simultaneously supply the appropriation in this request and the current municipal requirements of the Foresthill Public Utility District under conditions of a repeat of the 1975 – 1977 drought. The raw data for the water availability analysis comes from public records generated by the Foresthill Public Utility District. These include:

- Public Water System Statistics on file with the State of California.
- The Foresthill Public Utility District 2008 Master Plan.
- Permit 15375. This permit specifies diversion rights into Sugar Pine Reservoir and release obligations from the reservoir.

The pro-forma water availability analysis indicates that sufficient water is available to satisfy both this appropriation and the current municipal needs of the Foresthill Public Utility District. At the end of a repeat of a drought of the severity of the 1975-1977 drought, the reservoir would still hold 2,500 acre-feet, 1,400 acre-feet in excess of Permit 15375's minimum pool requirement of 1,100 acre-feet.

This appropriation request does NOT affect Permit 15375's release requirements.

The water availability analysis also evaluates the ability of the existing conduit that extends from Sugar Pine Reservoir to the Foresthill Public Utility District to deliver water to the applicant's property. The existing conduit crosses the applicant's property. In its maximum month of use, the conduit transports an average of 3.0 cubic feet per second of water. The pipeline has a capacity of 13 cubic feet per second.¹ Under Water Code Section 1810, et.al., 7 cubic feet per second of capacity is available for use during the maximum month of current use.²

The applicant plans to use this water for domestic (primarily potable water) purposes in a future subdivision development.³

This appropriation does not cause any changes in the environment at the site of or downstream of Sugar Pine Reservoir that has not been anticipated in Permit 15375. Prior to the construction of the Sugar Pine Dam, an environmental assessment was conducted. The DVD enclosed with this application contains the environmental analysis conducted by the County of Placer related to the applicant's project.

The application contains \$850 for the Streamflow Protection Standards review fee; however, it is unclear from statute whether such a fee is required by statute since there is no need for a review of stream flow status as there is no change in the flow of any stream. Please return this fee if the fee is sent in error.

Sincerely yours,

Douglas J Ryan

P.S. The recently adopted Foresthill Divide Community Plan allowed for two alternative development scenarios for the applicant's property. Under the other alternative, the Foresthill Public Utility District would be required to supply the project site 473 acre-feet of water during a normal year and 331 acre-feet during the second year of a repeat of the 1975-1977 drought.

The water availability analysis enclosed with this application includes a column for prior downstream rights. The quantities are drawn from the Foresthill Public Utility District 2008 Master Plan. The rationale for the quantities in the 2008 report is that these were the numbers that the Bureau of Reclamation indicated might be required when it originally applied for the water right permit. The Bureau indicated that any such prior downstream right would exist between the confluence of the North Fork of the American River and North Shirttail Canyon Creek and the location of the future reservoir. The Division of Water Rights has subsequently research its records and found no evidence of any water rights existing in this stretch of waterway. A copy of correspondences from

¹ Total capacity: 25.7 acre-feet per day. 773 acre-feet per month. 9,411 acre-feet per year.

http://www.usbr.gov/projects/Project.jsp?proj_Name=Auburn-Folsom+South+Unit+Project

² Sections 1810 et.al. require 70% of unused capacity be made available for transporting water.

³ Domestic irrigation demands to be satisfied through balancing of landscape restrictions with water availability.

the Division is attached. The Foresthill Public Utility District included an average of 119 acre-feet per year for these non-existent water rights for its simulation of a repeat of the 1975-77 drought.

Although this appropriation is sought under the authority of the temporary appropriation statutes, it is expected that the water will be available to the applicant's project on a permanent basis as the Foresthill Public Utility District 2008 Master Plan report assumed 100% build out of potential customers within its District boundaries.

Attached/Enclosed:

- California EPA Application to Appropriate Water
- Attachments/Notes to Application to Appropriate Water
- Environmental Impact Reports (CD)
- Notice of Determination
- USGS Maps: Foresthill and Dutch Flat Quadrangles
- Color Photos: Sugar Pine Reservoir, above and below diversion point
- Color Photo: Forest Ranch Project site
- Division of Safety of Dam Jurisdiction letter
- Division of Water Rights correspondences
- Water Availability Analysis

Attachments / Notes to Application to Appropriate Water
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Application Item (s)	Supplemental information
1	No additional information
2	No additional information
3	<p>The water is to be used for domestic/municipal and/or hydroelectric purposes. The project is a residential and recreational community, and includes 1700 age-restricted units, 550 non age-restricted units, an 18-hole golf course, 2 retreat facilities, a recreation vehicle park and a commercial reserve area. Although the entire project site is 2650 acres, only 1500 acres +/- is to be developed. These 1500 acres may be subject to grading.</p> <p>The project includes a potable water treatment facility and a wastewater treatment facility. At build-out, the wastewater treatment plant is estimated to supply 600,000 gallons per day recycled water. The potable water facility will serve the project site. The wastewater treatment facility will collect wastewater from both the project site and the adjacent town of Foresthill. Treated wastewater is applied on-site.</p> <p>The water requested in this application is used for municipal purposes, primarily potable water. A portion of the water in this application may be used for residential and other municipal irrigation.</p>
4 a	<p>This water right seeks temporary appropriation of 450 acre-feet annually until such time as the municipality may require this water for municipal purposes.</p> <p>Although a portion of the withdrawal from the existing reservoir may occur during the summer months, <u>diversion does NOT impact any stream or stream system identified as fully appropriated.</u></p>
4b	No additional information

Attachments / Notes to Application to Appropriate Water
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4 c	An additional regulating reservoir may be required.
4d	No additional information.
5 a	Off stream regulating reservoir refers to reservoir adjacent to applicant's proposed potable water treatment plant.
5 b, c	No additional information.
6a	<p>The attached Water Availability Analysis simulates a repeat of the 1975-1977 critical drought assuming demand equal to the Foresthill Public Utility District's current municipal needs and the amount of water requested in this appropriation. The attached Water Availability Analysis requires no change to the existing Sugar Pine Reservoir.</p> <p>The current reservoir stores approximately 7,000 acre-feet, but was designed and has been built to store 10,700 acre-feet with the addition of gates. The Foresthill Public Utility District has the right to store 15,000 acre-feet of water annually from North Shirttail Canyon Creek, the location of the Sugar Pine Reservoir.</p> <p>Prior to approval of Permit 15375, the permit that allows for diversion of water into Sugar Pine Reservoir, the Division determined that enough water was available to fill a 15,000 acre-foot reservoir, 8,000 acre-feet more than can be currently stored in Sugar Pine Reservoir.</p>
6b	Water that fills the FPUD reservoir is diverted from November 1 to June 1. This water is transmitted via pipeline (across applicant's property) throughout the year. This pipeline is the source of the water to the applicant's project site.
6c.	No additional information
6d	No additional information

Attachments / Notes to Application to Appropriate Water
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7	Place of Use						
	Township 14 Range 10E Mount Diablo Base & Meridian						
	Section						
		23	24	25	26	27	34
	40 acre subdivision						
	NW 1/4 of NW 1/4		X	X	X		X
	NE 1/4 of NW 1/4	X	X	X	X	X	X
	SW 1/4 of NW 1/4	X	X	X	X		
	SE 1/4 of NW 1/4	X	X	X	X	X	
	NW 1/4 of NE 1/4	X	X	X	X	X	X
	NE 1/4 of NE 1/4	X	X	X	X	X	X
	SW 1/4 of NE 1/4	X	X	X	X	X	
	SE 1/4 of NE 1/4	X	X	X	X	X	
	NW 1/4 of SW 1/4	X	X	X	X		
	NE 1/4 of SW 1/4	X	X	X	X	X	
	SW 1/4 of SW 1/4	X	X	X	X		
	SE 1/4 of SW 1/4	X	X		X	X	
NW 1/4 of SE 1/4	X	X		X	X		
NE 1/4 of SE 1/4	X	X		X	X		
SW 1/4 of SE 1/4	X	X	X	X	X		
SE 1/4 of SE 1/4	X	X		X	X		
7 (cont'd)	Assessor Parcel Numbers						
	007-010-003		007-200-002			064-090-015	
	007-010-005		007-200-003			064-090-017	
						064-090-019	
	007-020-003		007-210-001			064-090-033	
	007-020-004		007-210-006			064-090-034	
	007-020-014					064-090-081	
	007-020-015						
						064-280-011	
	007-030-003		007-210-015			064-280-012	
	007-030-008		007-210-016				
			007-210-018			254-010-002	
	007-080-004						
			007-220-005			255-160-001	
	007-090-001		007-220-007				
			007-220-054				
007-190-001		007-220-055					

Attachments / Notes to Application to Appropriate Water
(Page 4 of 7)

7 (cont'd)	Place of use: Alternate Listing of Sections											
	Section Township Range Base						Section Township Range Base					
	NE 1/4 of NW 1/4	23	14N	10E	MD	SW 1/4 of NE 1/4	25	14N	10E	MD		
	SW 1/4 of NW 1/4	23	14N	10E	MD	NW 1/4 of SW 1/4	25	14N	10E	MD		
	SE 1/4 of NW 1/4	23	14N	10E	MD	NE 1/4 of SW 1/4	25	14N	10E	MD		
	NW 1/4 of NE 1/4	23	14N	10E	MD	SW 1/4 of SW 1/4	25	14N	10E	MD		
	NE 1/4 of NE 1/4	23	14N	10E	MD	SW 1/4 of SE 1/4	25	14N	10E	MD		
	SW 1/4 of NE 1/4	23	14N	10E	MD	NE 1/4 of NW 1/4	26	14N	10E	MD		
	SE 1/4 of NE 1/4	23	14N	10E	MD	SW 1/4 of NW 1/4	26	14N	10E	MD		
	NW 1/4 of SW 1/4	23	14N	10E	MD	SE 1/4 of NW 1/4	26	14N	10E	MD		
	NE 1/4 of SW 1/4	23	14N	10E	MD	NW 1/4 of NE 1/4	26	14N	10E	MD		
	SW 1/4 of SW 1/4	23	14N	10E	MD	NE 1/4 of NE 1/4	26	14N	10E	MD		
	SE 1/4 of SW 1/4	23	14N	10E	MD	SW 1/4 of NE 1/4	26	14N	10E	MD		
	NW 1/4 of SE 1/4	23	14N	10E	MD	SE 1/4 of NE 1/4	26	14N	10E	MD		
	NE 1/4 of SE 1/4	23	14N	10E	MD	NW 1/4 of SW 1/4	26	14N	10E	MD		
	SW 1/4 of SE 1/4	23	14N	10E	MD	NE 1/4 of SW 1/4	26	14N	10E	MD		
	SE 1/4 of SE 1/4	23	14N	10E	MD	SW 1/4 of SW 1/4	26	14N	10E	MD		
	NW 1/4 of NW 1/4	24	14N	10E	MD	SE 1/4 of SW 1/4	26	14N	10E	MD		
	NE 1/4 of NW 1/4	24	14N	10E	MD	NW 1/4 of SE 1/4	26	14N	10E	MD		
	SW 1/4 of NW 1/4	24	14N	10E	MD	NE 1/4 of SE 1/4	26	14N	10E	MD		
	SE 1/4 of NW 1/4	24	14N	10E	MD	SW 1/4 of SE 1/4	26	14N	10E	MD		
	NW 1/4 of NE 1/4	24	14N	10E	MD	SE 1/4 of SE 1/4	26	14N	10E	MD		
	NE 1/4 of NE 1/4	24	14N	10E	MD	NE 1/4 of NW 1/4	27	14N	10E	MD		
	SW 1/4 of NE 1/4	24	14N	10E	MD	SE 1/4 of NW 1/4	27	14N	10E	MD		
	SE 1/4 of NE 1/4	24	14N	10E	MD	NW 1/4 of NE 1/4	27	14N	10E	MD		
	NW 1/4 of SW 1/4	24	14N	10E	MD	NE 1/4 of NE 1/4	27	14N	10E	MD		
	NE 1/4 of SW 1/4	24	14N	10E	MD	SW 1/4 of NE 1/4	27	14N	10E	MD		
	SW 1/4 of SW 1/4	24	14N	10E	MD	SE 1/4 of NE 1/4	27	14N	10E	MD		
	SE 1/4 of SW 1/4	24	14N	10E	MD	NE 1/4 of SW 1/4	27	14N	10E	MD		
	NW 1/4 of SE 1/4	24	14N	10E	MD	SE 1/4 of SW 1/4	27	14N	10E	MD		
	NE 1/4 of SE 1/4	24	14N	10E	MD	NW 1/4 of SE 1/4	27	14N	10E	MD		
	SW 1/4 of SE 1/4	24	14N	10E	MD	NE 1/4 of SE 1/4	27	14N	10E	MD		
	SE 1/4 of SE 1/4	24	14N	10E	MD	SW 1/4 of SE 1/4	27	14N	10E	MD		
	NW 1/4 of NW 1/4	25	14N	10E	MD	SE 1/4 of SE 1/4	27	14N	10E	MD		
	NE 1/4 of NW 1/4	25	14N	10E	MD	NW 1/4 of NW 1/4	34	14N	10E	MD		
	SW 1/4 of NW 1/4	25	14N	10E	MD	NE 1/4 of NW 1/4	34	14N	10E	MD		
	SE 1/4 of NW 1/4	25	14N	10E	MD	NW 1/4 of NE 1/4	34	14N	10E	MD		
	NW 1/4 of NE 1/4	25	14N	10E	MD	NE 1/4 of NE 1/4	34	14N	10E	MD		
	NE 1/4 of NE 1/4	25	14N	10E	MD							

Attachments / Notes to Application to Appropriate Water
(Page 5 of 7)

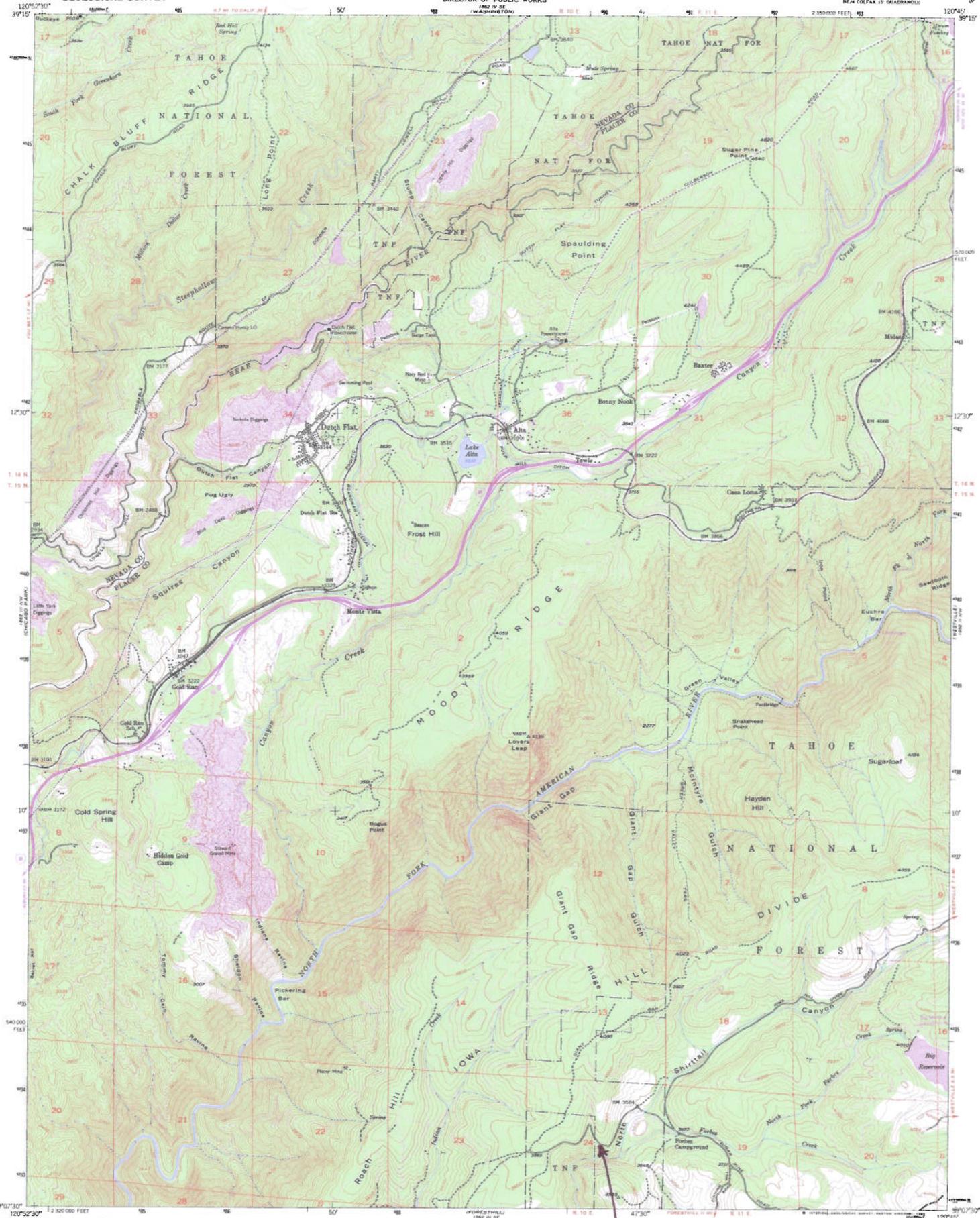
8a,b	No additional information
9a-e	<p>The water in this application has already been appropriated. This application requests a temporary appropriation of the water until such time the municipality needs the water for municipal purposes.</p> <p>The water in this application is used for municipal purposes, primarily potable water use.</p>
9b,c,d	No additional information
9e	See water availability analysis.
9f-l	No additional information
10a	No additional information
10b	No additional information
10c	Existing pipeline (See Permit 15375)
10d	<p>Existing reservoir (See Permit 15375)</p> <p>New regulating reservoirs would have a maximum capacity 15 acre-feet with a maximum depth 40 feet. The reservoir would be off-stream and outside of the jurisdiction of the Division of Safety of Dams. See attached correspondence from the Division of Safety of Dams.</p>
10e	Not applicable as it is part of a current appropriation.
11a,b	No additional information

Attachments / Notes to Application to Appropriate Water
(Page 6 of 7)

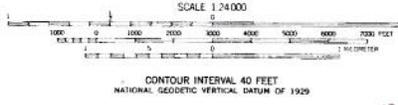
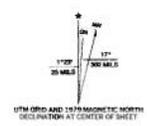
12a,b	<p>Permit 15375 allows diversion to Sugar Pine Reservoir. The US Forest Service owns the land under the reservoir. Pipeline for transport of water is owned by FPUD. Water Code Section 1810, et. al. requires the FPUD make available excess capacity for transport.</p> <p>The applicant owns the land at re-diversion point. Applicant owns area where water will be used. A tap is believed to exist on the existing pipeline where the pipeline crosses the applicant's property.</p>
13a	<p>Right to water is indirect. The FPUD is required to provide service on a first-come first serve basis to property owners within the FPUD service boundary. Portions of the applicant's property are within the service boundary.</p> <p>Under an alternate development scenario approved by the Placer County Board of Supervisors, the FPUD would be required to supply water (in an amount roughly equal to that requested in this appropriation) to future residents on the applicant's property.</p> <p>The project area being developed includes the above property plus other property within the FPUD's current sphere of influence.</p>
13b	See Permit 15375
13c	No additional information
14	No additional information.
15	<p>See maps attached.</p> <p>Engineering drawings are not required. Any new regulating reservoir would be designed to be outside of division of safety of dam jurisdiction.</p>
16a	The Board of Supervisors listed the applicant's property as the Forest Ranch Future Study Area and indicated that the area should be the first area to be developed due to the positive impact it would have on revitalizing the nearby town of Foresthill.
16b	No additional information

Attachments / Notes to Application to Appropriate Water
(Page 7 of 7)

17a	<p>Sugar Pine Reservoir is not modified. The reservoir is already in existence.</p> <p>Regulatory reservoir(s) would be outside of Division of Safety of Dams jurisdiction, as they would hold less than 25 acre-feet of water.</p>
17b-d	No additional information
18a,b	<p>The enclosed CD contains three files: Adopted Revised Foresthill Divide Community Plan (FDCP), Certified Revised Foresthill Divide Community Plan Final EIR (FDCP FEIR), Forest Ranch Draft EIR (FR DEIR)</p> <p>A Forest Ranch Project draft EIR was prepared in 2004 as an update to the Foresthill Divide Community Plan of 1981. Simultaneously, an update and associated draft EIR were being prepared for the update to the Foresthill Divide Community Plan of 1981, which excluded the Forest Ranch project.</p> <p>In 2005, the Placer County Planning Commission instructed the County to combine these two efforts and include the Forest Ranch project as an option within the Foresthill Divide Community Plan update. In addition to modifications of the Foresthill Divide Community Plan, a revised Foresthill Divide Community Plan (including the Forest Ranch project) EIR was prepared and certified by the Placer County Board of Supervisors.</p>
18c	No additional information
19	No additional information
20 a,b,c	<p>Archeology studies have been conducted in connection with previous timber harvest plans and in connection with the Forest Ranch EIR noted above. No additional study is anticipated. Studies did not show sites of pre-historic archaeological interest within the area to be developed, although, some sites existed elsewhere on property owned by the applicant.</p>
21	Attached.



Mapped, edited, and published by the Geological Survey
Control by USGS and NOS/NOAA
Topography from aerial photographs by multiple methods
Aerial photographs taken 1946. Field check 1950
Polyaxic projection. 1927 North American datum
30,000-foot grid based on California coordinate system,
zone 2
1000-meter Universal Transverse Mercator grid ticks,
zone 10, shown in blue
To store on the unadjusted North American Datum 1983
move the projection lines 15 meters north and
90 meters east as shown by dashed corner ticks
Unadjusted elevations are shown in brown
Dashed land lines indicate approximate locations



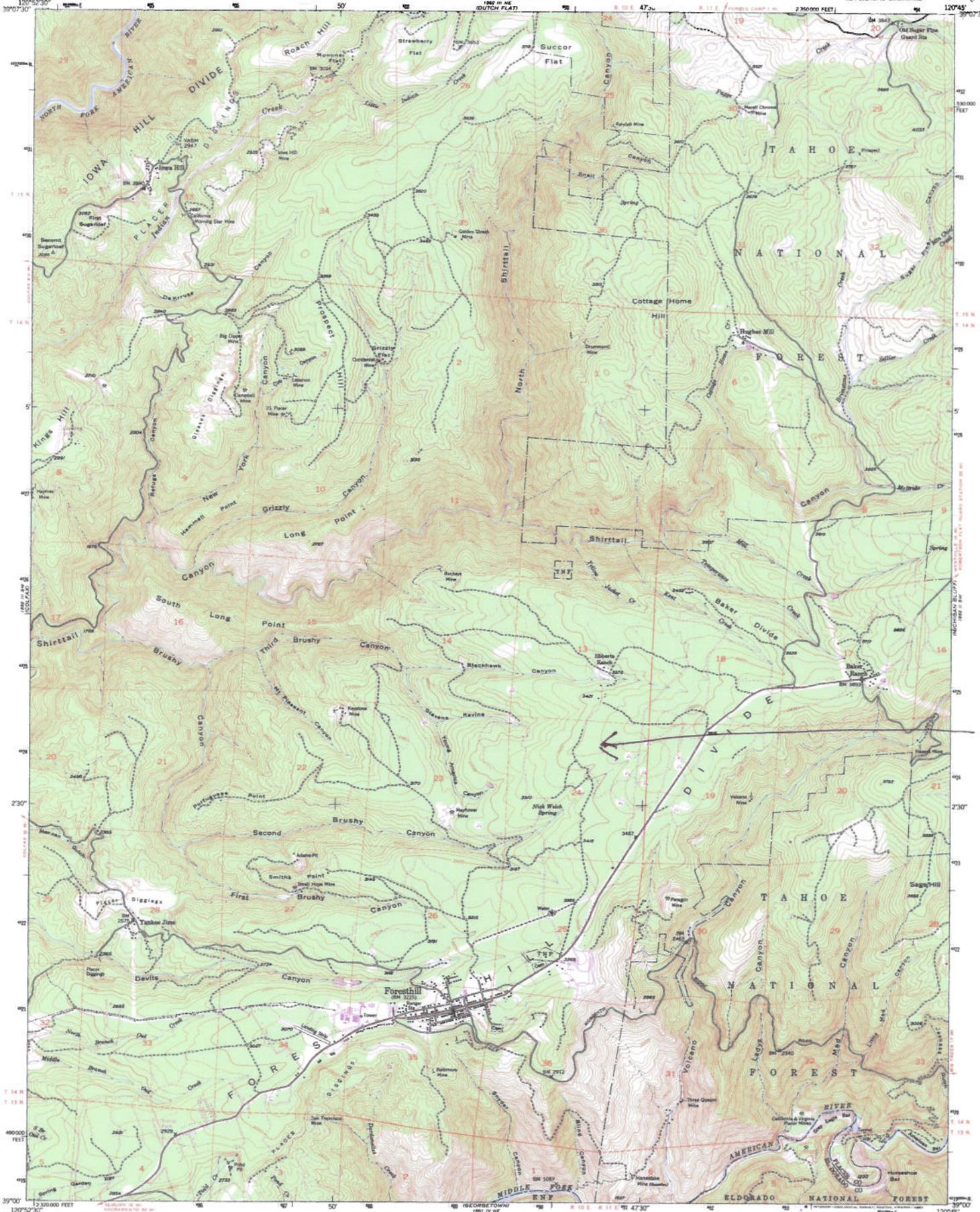
Heavy duty Light duty
Medium duty Unimproved dirt
Interstate Route

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Locations shown in purple highlighted by the U.S. Forest Service
from aerial photographs taken 1976 and other source data
This information has been checked. Map edited by the
Geological Survey, 1978

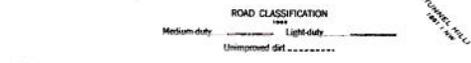
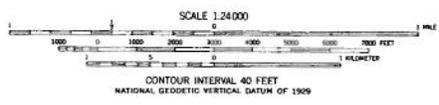
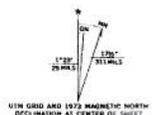
DUTCH FLAT, CALIF.
NEA COLFAX 15 QUADRANGLE
N 3907 5—W 12045 7.5
1950
GPO: 1982 III NE—SERIES V95

*Point of
diversion*



POINT OF REVERSION

Maped, edited, and published by the Geological Survey
Control by USGS and US Army
Topography from aerial photographs by microlith methods.
Aerial photographs taken 1946. Field check 1949
Polyconic projection. 1927 North American datum
10,000-foot grid based on California coordinate system,
zone 2
100-meter Universal Transverse Mercator grid ticks,
zone 10, shown in blue
To refer to the predicted North American Datum 1983
move the projection lines 15 meters north and
90 meters east as shown by dashed corner ticks
Dashed land lines indicate approximate location
Unchecked elevations are shown in brown
There may be private subdivisions within the boundaries of



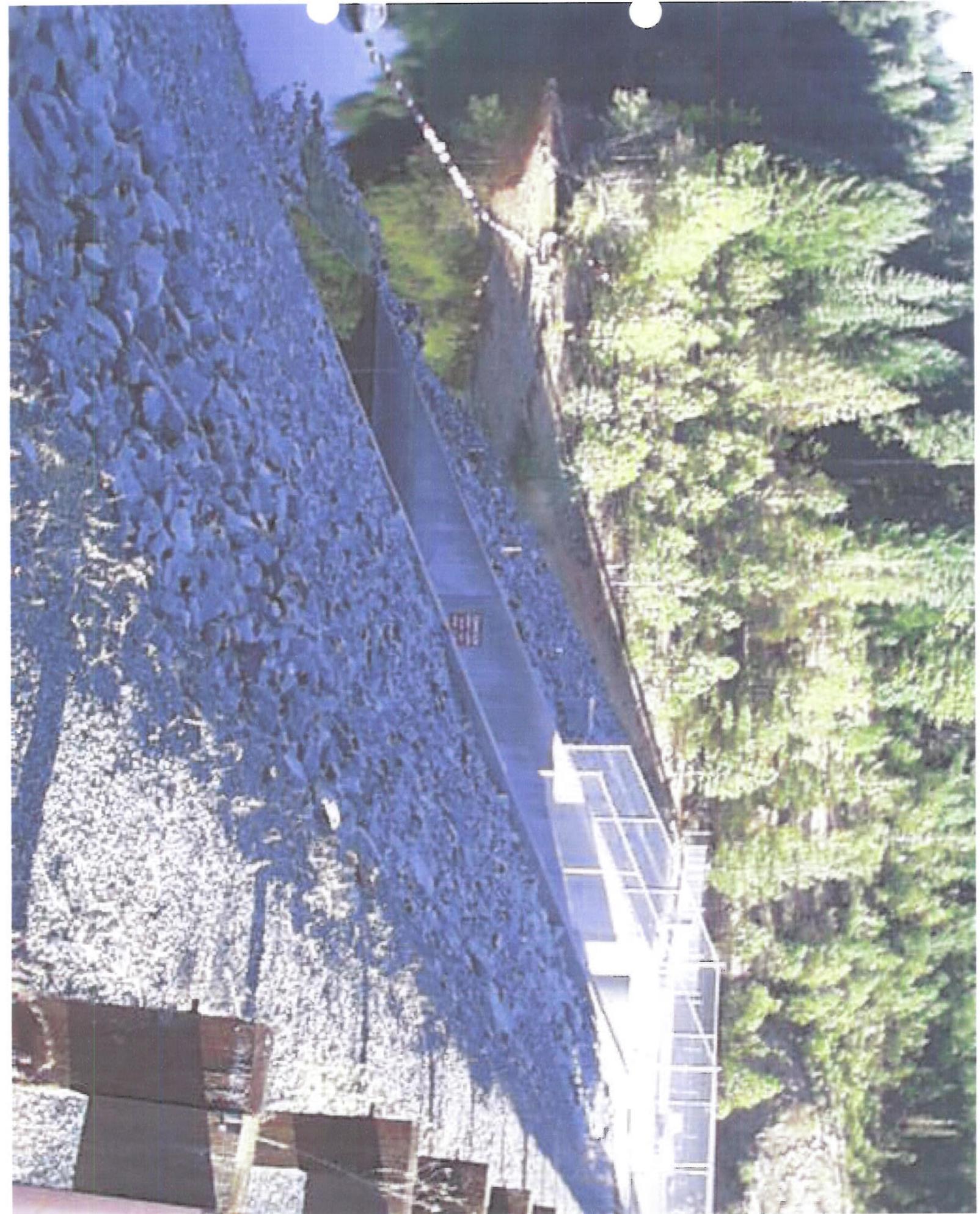
FORESTHILL, CALIF.
SEA LEVEL 15 QUADRANGLE
39120-A7-77-024
1949
PHOTOGRAPHED IN 1973
DMA 1982 15 SE-SERIES V935

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA, 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

UPSTREAM OF POINT OF DIVERSION



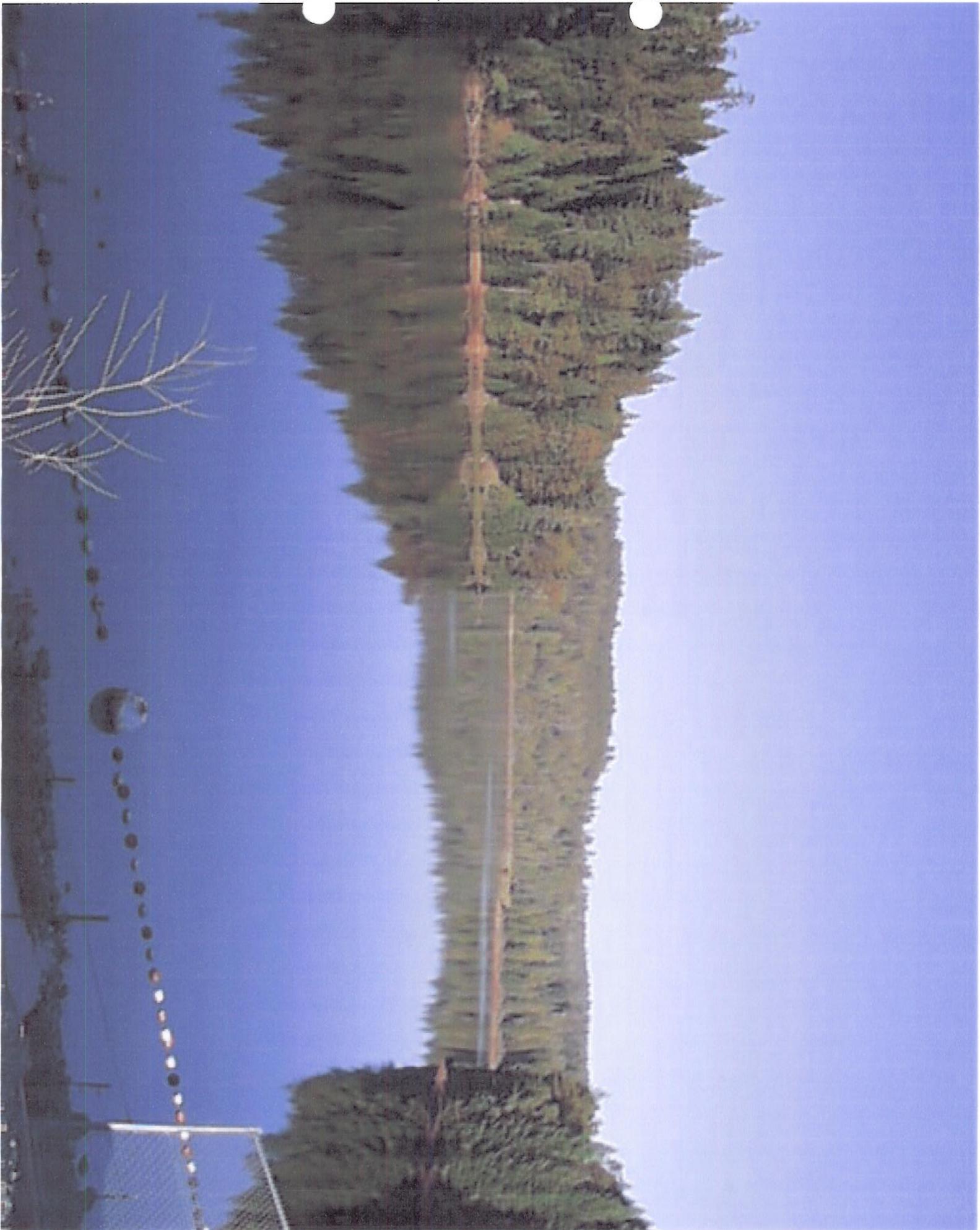
DOWNSTREAM OF POINT OF DIVERSION



ALFA 4C US6



UPSTREAM OF POINT OF DIVERSION



DOWNSTREAM OF POINT OF DIVERSION



AREA OF USE





Sagehen River Reservoir

Placer

Foresthill

Existing Pipeline

Project site

Imagery Date: Mar 5, 2005

39°04'44.86" N 120°48'25.57" W elev 2780 ft

© 2009 Europa Technologies
© 2009 Google

Eye alt 12.24 mi

© 2009 Google



Sugar pine reservoir

Existing Ripeline

Placer

© 2009 Europa Technologies
© 2009 Google
Foresthill

Project site

Imagery Date: Mar 5, 2005

39°04'44.86" N 120°48'25.57" W elev 2780 ft

© 2009
Google
Eye alt 12.24 mi

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



SEP -5 2007

Mr. Douglas Ryan
Forest Ranch
1735 Crockett Lane
Burlingame, California 94010

Forest Ranch Dam, Proposed
Placer County

Dear Mr. Ryan:

This is in reply to your July 30, 2007 letter requesting a jurisdictional determination for the six different dam scenarios addressed in your letter attachment. We have reviewed this information and concur they do not meet our jurisdictional size criteria, except scenario (e) which will be jurisdictional.

As defined in Sections 6002 and 6003 of Division 3 of the California Water Code, dams that are less than 25 feet in height which impound 15 acre-feet or less of water, and dams that are 6 feet or less in height which impound less than 50 acre-feet of water are not under State jurisdiction for dam safety.

In addition, Section 6025.5 of the California Water Code qualifies wastewater storage ponds for exemption from State jurisdiction if the ponds have a maximum height of 15 feet or less and a maximum storage capacity of 1,500 acre-feet or less, are not across a stream channel or watercourse, and are owned by a public agency which has adopted a resolution to take responsibility for the design, construction, and continuous safe operation of the ponds to protect life and property.

Once preliminary plans have been prepared for your proposed dam, please submit them for our review so that a jurisdictional determination can be made for a specific dam site. At a minimum, the plans should include plan and cross section views of the embankment and information such as the dam height and storage capacity. Any questions regarding the jurisdictional determination of the dam should be directed to John Vrymoed, Design Engineering Branch Chief, at (916) 227-4660.

If you have any questions or need additional information, you may contact Area Engineer Andrew Mangney at (916) 227-4635.

Sincerely,

A handwritten signature in black ink that reads "Mike Zumot".

Mike Zumot, Acting Chief
Division of Safety of Dams

Forest Ranch

July 30, 2007

Mr. Mike Dumot
Acting Chief
Division of Safety of Dams
PO Box 942836
Sacramento, CA 95818

Re: Jurisdiction Determination

Dear Mr. Dumot,

I am seeking a letter on Division letterhead summarizing the potential for Division of Safety of Dams jurisdiction for six different scenarios. Larry Ford and I exchanged emails on the subject. He has analyzed the potential for jurisdiction for each of the scenarios. The emails are enclosed. Our project is located in Placer County, adjacent to the town of Foresthill.

Subsequently, I talked with Andy Mangney who added two extra thoughts:

1. The vertical distance above an outlet pipe placed below the water surface would be considered a dam.
2. Regarding scenario (a), a set of impoundments close in proximity may be considered as a single impoundment, if it were possible for a failure of one to cascade into another.

Larry Ford also cautioned that placement of a "hole" near a stream, even though there is no artificial barrier, might be considered an impoundment with a dam if there is the potential for failure.

Please pass on my compliments to both Larry and Andy on their ability to explain clearly the concepts surrounding the Safety of Dam's jurisdiction.

Please send the completed letter to: Douglas Ryan
c/o Forest Ranch
1735 Crockett Lane
Burlingame, CA 94010

Sincerely,

Douglas Ryan

Exemption Requirements.

Generally speaking, waste water treatment facilities are exempt from State regulation and supervision of the Division of Safety of Dams under Section 6025.5 subject to the following:

- (1) the dams must not exceed 15 feet in height;
- (2) the combined capacity of the ponds must not exceed 1,500 acre-feet of effluent;
- (3) the ponds must have been designed by and constructed under the supervision of, a registered engineer, and can not have been constructed across a water course or channel; and,
- (4) the governing body of the agency operating the facility must have adopted a specific resolution as spelled out in the Statutes. The resolution must establish that the ponds have been constructed and operated to standards adequate to protect life and property, and that the District shall supervise and regulate the design, construction, operation, enlargement, replacement, and removal of the ponds after the effective date of the resolution.

For their facility to be considered exempt, we normally require an Agency to take the following actions:

- (1) Comply with the requirements of Section 8589.5 of the Government Code regarding the preparation of inundation maps.
- (2) Employ a civil engineer registered in California to supervise the wastewater treatment and storage pond dams for the protection of life and property for the full operating life of the facility.
- (3) On or before July 1 of each year, report to the Department of Water Resources, any changes to the name, business address, and telephone number of the Responsible Supervising Civil Engineer employed to supervise the wastewater treatment and storage pond dams. The Responsible Supervising Civil Engineer's determination as to whether or not a dam constitutes, or would constitute, a danger to life or property shall also take into consideration the possibility the dam might be endangered by seepage, earth movement, or other hazards in the vicinity of the dam.

July 27, 2007

Andy Mangney
Field Engineer, Area 4
Division of Safety of Dams

Dear Mr Mangney:

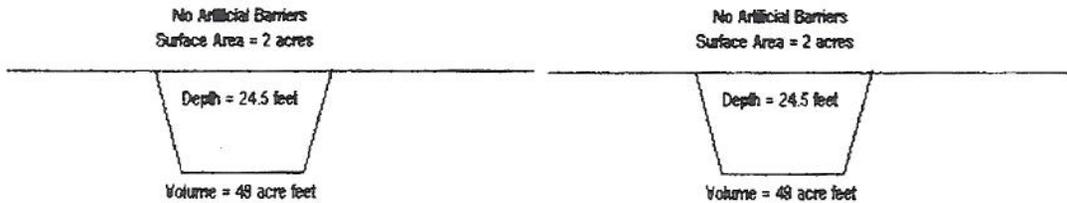
Please review the six conceptual drawings on the attached pages and comment as to whether our understanding of the Division of Safety of Dams' (DSOD) jurisdiction is correct for each scenario. The drawings are not drawn to scale.

We understand that any comments contained in the response to this inquiry are not binding on the Division's later consideration. Also, we understand, with the exception of scenario (a) and (b), the Division would expect us to pass our plans by the Division for a determination as to whether the Division's jurisdiction applies or does not apply.

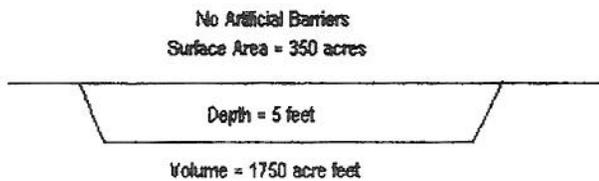
Sincerely,

Douglas Ryan
Forest Ranch

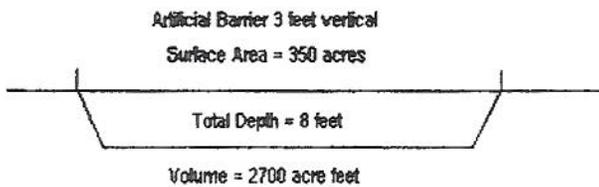
- (a) Our understanding: DSOD does not have jurisdiction over multiple facilities if each is less than 50 acre feet in capacity.



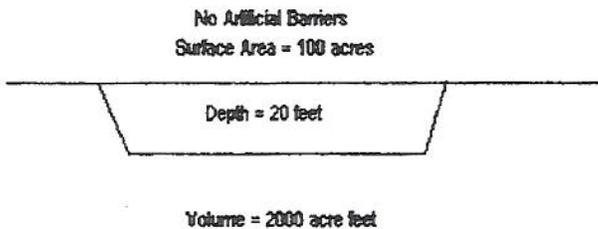
- (b) Our understanding: DSOD does not have jurisdiction over facilities that are less than 6 feet deep, regardless of capacity.



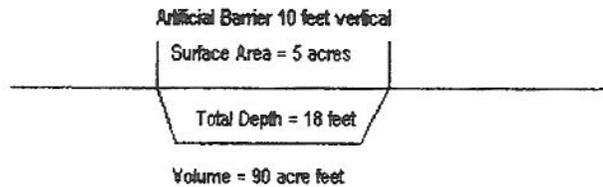
- (c) Our understanding: DSOD probably does not have jurisdiction as the artificial barrier is less than 6 feet, even though the depth of the reservoir exceeds 6 feet, regardless of capacity.



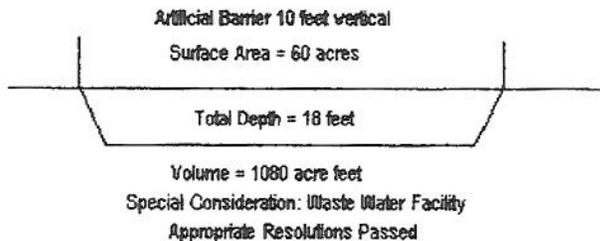
- (d) Our understanding: DSOD does not have jurisdiction as there is no artificial barrier, regardless of capacity.



- (e) Our understanding: DSOD does have jurisdiction as there is an artificial barrier greater than 6 feet and the volume of water exceeds 50 acre feet.



- (f) Our understanding: DSOD does not have jurisdiction even though the artificial barrier is greater than 6 feet (but less than 15 feet) and the capacity is greater than 50 acre feet (but less than 1500 acre feet) as the purpose of such facility relates to waste water control and the operating public agency has adopted the appropriate resolutions.



California Home

Friday, June 26, 2009

[OPR Home](#) > [CEQAnet Home](#) > [CEQAnet Query](#) > [Search Results](#) > [Document Description](#)

Revised Foresthill Divide Community Plan Draft EIR (PEIR T20070206)

SCH Number: 2001092094**Type:** NOD - Notice of Determination**Project Description**

The Foresthill Divide Community Plan, in combination with the Placer County General Plan, is the official statement of Placer County setting forth goals, policies, assumptions, guidelines, standards, and implementation measures that will guide the physical, social, and economic development of the Foresthill Divide Community Plan area for approximately 20 years. The Plan will provide overall direction for future growth in the Foresthill Divide.

Project Lead Agency

Placer County

Contact Information**Primary Contact:**

Maywan Krach
Placer County Planning Department
(530) 745-3132
3091 County Center Drive
Auburn, CA 95603

Project Location

County: Placer
City: Auburn
Region:
Cross Streets: Foresthill Road
Parcel No: Various
Township: 14/15N
Range: 10/11E
Section: Multip
Base: MDB&M
Other Location Info: City/Nearest Community: Foresthill

Determinations

This is to advise that the Lead Agency Responsible Agency Placer County has approved the project described above on 12/9/2008 and has made the following determinations regarding the project described above.

1. The project will will not have a significant effect on the environment.
2. An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.
 A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures were were not made a condition of the approval of the project.
4. A Statement of Overriding Considerations was was not adopted for this project.
5. Findings were were not made pursuant to the provisions of CEQA.

Final EIR Available at: Placer Co. Community Dev. Resource Center 3091 County Center Dr. Auburn, CA 95603

Date Received: 12/18/2008[CEQAnet HOME](#) | [NEW SEARCH](#)

Data Source Notes	Days In Month	Water Year Simulated	Inflow (1)	Potential Downstream Prior Rights (1) (A)	Sugar Pine Fish Agreement (1)	Evaporation (1)	Available for consumption (Subject to Minimum Pool of 1,000 AF)	Domestic Consumption (Year 2007)	REQUESTED APPROPRIATION (3)	Storage (End of Month) (B)	Reservoir spills	(4)	Pipe Capacity	Flow Rate to Satisfy Current Consumption	Unused Capacity	70% of Unused Capacity (WC Sec 1814)	Capacity Required For Appropriation Flow	Pipeline Able to handle full flow of appropriation	Sugar Pine Fish Agreement Notes
	31 May	1975	1553.7	20.0	307.4	3.1	6,927	123.43	25.00	6,906	YES	13.0	2.0	11.0	7.7	0.4	YES	1) Reservoir Minimum Pool Requirement 1100 acre-feet	
	30 Jun	1975	175.4	32.0	119.0	3.9	6,671	164.67	55.20	6,707	NO	13.0	2.8	10.2	7.2	0.9	YES	Reservoir exceeds Minimum Pool Requirement For Entirety of Simulation	
	31 Jul	1975	69.4	32.0	69.4	4.0	6,393	187.00	55.20	6,428	NO	13.0	3.0	10.0	7.0	0.9	YES		
	31 Aug	1975	42.0	32.0	42.0	3.8	6,132	181.31	55.20	6,156	NO	13.0	2.9	10.1	7.4	0.9	YES		
	30 Sep	1975	27.9	20.0	29.8	2.0	6,035	140.66	55.20	5,936	NO	13.0	2.4	10.6	8.3	0.9	YES		
	31 Oct	1976	238.4	15.0	123.0	1.7	6,030	71.29	55.20	5,947	NO	13.0	1.2	11.8	8.4	0.4	YES		
	30 Nov	1976	244.2	4.0	119.0	0.0	6,023	57.94	25.00	5,952	NO	13.0	0.7	12.3	8.6	0.4	YES		
	31 Dec	1976	203.2	4.0	123.0	0.0	5,964	45.59	25.00	5,879	NO	13.0	1.0	12.0	8.4	0.4	YES		
	31 Jan	1976	139.0	4.0	123.0	0.0	5,886	60.43	25.00	5,812	NO	13.0	0.9	12.1	8.5	0.5	YES		
	28 Feb	1976	298.2	4.0	287.6	0.0	5,977	48.97	25.00	5,890	NO	13.0	1.0	12.0	8.4	0.4	YES		
	31 Mar	1976	480.9	8.0	307.4	0.0	5,880	62.25	25.00	5,780	NO	13.0	1.3	11.7	8.2	0.4	YES		
	30 Apr	1976	258.8	10.0	258.8	0.0	5,758	74.51	25.00	5,609	NO	13.0	2.0	11.0	7.7	0.4	YES		
	31 May	1976	49.3	20.0	49.3	2.7	5,576	123.43	25.00	5,356	NO	13.0	2.8	10.2	7.2	0.9	YES		
	30 Jun	1976	18.2	18.2	29.8	3.2	5,322	164.67	55.20	5,080	NO	13.0	3.0	10.0	7.0	0.9	YES		
	31 Jul	1976	8.8	8.8	30.7	3.3	5,046	187.00	55.20	5,080	NO	13.0	2.9	10.1	7.0	0.9	YES		
	31 Aug	1976	25.5	25.5	30.7	3.0	4,779	140.66	55.20	4,583	NO	13.0	2.4	10.6	7.4	0.9	YES		
	30 Sep	1976	11.5	11.5	29.8	1.6	4,551	181.31	55.20	4,424	NO	13.0	1.2	11.8	8.3	0.9	YES		
	31 Oct	1977	11.3	11.3	30.7	1.3	4,407	71.29	55.20	4,324	NO	13.0	1.0	12.0	8.4	0.4	YES		
	30 Nov	1977	16.5	4.0	29.8	0.0	4,303	57.94	25.00	4,232	NO	13.0	0.7	12.3	8.6	0.4	YES		
	31 Dec	1977	13.6	4.0	30.7	0.0	4,228	45.59	25.00	4,143	NO	13.0	1.0	12.0	8.4	0.4	YES		
	31 Jan	1977	60.6	4.0	60.6	0.0	4,139	60.43	25.00	4,065	NO	13.0	0.9	12.1	8.5	0.5	YES		
	28 Feb	1977	84.7	4.0	84.7	0.0	4,059	48.97	25.00	3,972	NO	13.0	1.0	12.0	8.4	0.4	YES		
	31 Mar	1977	160.1	6.0	160.1	0.0	3,962	62.25	25.00	3,862	NO	13.0	1.3	11.7	8.2	0.4	YES		
	30 Apr	1977	50.1	10.0	50.1	0.0	3,840	74.51	25.00	3,722	NO	13.0	2.0	11.0	7.7	0.4	YES		
	31 May	1977	78.8	20.0	78.8	1.9	3,660	123.43	25.00	3,692	NO	13.0	2.8	10.2	7.2	0.9	YES		
	30 Jun	1977	14.0	14.0	29.8	2.3	3,407	164.67	55.20	3,440	NO	13.0	3.0	10.0	7.0	0.9	YES		
	31 Jul	1977	1.3	1.3	30.7	2.3	3,132	187.00	55.20	3,165	NO	13.0	2.9	10.1	7.0	0.9	YES		
	31 Aug	1977	0.0	0.0	30.7	2.0	2,865	181.31	55.20	2,895	NO	13.0	2.4	10.6	7.4	0.9	YES		
	30 Sep	1977	0.0	0.0	29.8	1.0	2,637	140.66	55.20	2,669	NO	13.0	1.2	11.8	8.3	0.9	YES		
	31 Oct	1978	2.7	2.7	30.7	0.8	2,507	71.29	55.20	2,511	NO	13.0	1.0	12.0	8.4	0.4	YES		
	30 Nov	1978	39.4	4.0	39.4	0.0	3,372	57.94	25.00	2,424	NO	13.0	0.7	12.3	8.6	0.4	YES		
	31 Dec	1978	1074.8	4.0	123.0	0.0	8,411	45.59	25.00	3,301	NO	13.0	1.0	12.0	8.4	0.4	YES		
	31 Jan	1978	5237.4	4.0	123.0	0.0	8,411	60.43	25.00	8,326	YES	13.0	1.0	12.0	8.4	0.4	YES		

(1) Forest Public Utility District Water System Master Plan January 2008 (Appendix A Study 3 - Current Facilities May 1975 to January 1978 Critical Period)
 (2) Forest Public Utility District Water System Statistics Year 2007
 (3) Based on total annual demand of 451 acre-feet (Monthly allocation based on 25 acre-feet per month for potable purposes; remainder split over summer months of June through October)
 (4) Bureau of Land Management Website http://www.usbr.gov/projects/Facility.jsp?fac_Name=Sugar%20Pine%20Dam

Obligation
 (See attached correspondences)
 (B) Bureau of Land Management Website http://www.usbr.gov/projects/Facility.jsp?fac_Name=Sugar%20Pine%20Dam lists capacity as 6,921 AF