

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

ORDER NO. 85-039

WASTE DISCHARGE REQUIREMENTS
FOR

SIERRA COUNTY SERVICE AREA NO. 5, ZONE 5A
(SIERRA BROOKS SUBDIVISION)
SIERRA COUNTY

SIERRA
Brooks

COPY

The California Regional Water Quality Control Board, Central Valley Region, (hereafter Board) finds that:

1. Waste Discharge requirements for the Sierra County Service Area No. 4, Zone 4 (Sierra Brooks Subdivision) were set forth in Order No. 75-34, adopted by the Board on 28 February 1974.
2. The development is now under the auspices of Sierra County Service Area No. 5, Zone 5A, which encompasses the Sierra Brooks Subdivision in Sections 29, 30, 32, and 33, T21N, R16E, MDB&M.
3. The Sierra County Service Area No. 5, Zone 5A proposes to discharge sewage from an ultimate population of about 2500 people to septic tank/leachfield systems.
4. Surface drainage in the area is to Smithneck Creek which is tributary to the Middle Fork Feather River.
5. The beneficial uses of Smithneck Creek and the Middle Fork Feather River are: domestic, industrial, and agricultural supply; recreation; esthetic enjoyment; and preservation and enhancement of fish, wildlife and other aquatic resources.
6. The beneficial uses of the ground water are domestic, industrial, and agricultural supply.
7. The Wild and Scenic River Act (16 U.S.C. 1271 - 1287) of 2 October 1968 designated the entire Middle Fork of the Feather River as a component of the National System of Wild and Scenic Rivers, and Smithneck Creek is tributary to the river in that portion designated the Recreational River Zone.
8. The Board, on 25 July 1975, adopted a Water Quality Control Plan for the Sacramento River Basin (5A) which contains water quality objectives for all waters of the Basin. These requirements are consistent with that Plan.
9. The action to revise waste discharge requirements for this facility is exempt from the provisions of the California Environmental Quality Act, in accordance with Section 15301, Title 14, California Administrative Code.

10. The Board has notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge.
11. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that Order No. 75-34 be rescinded and that the Sierra County Service Area No. 5, Zone 5A (Sierra Brooks Subdivision), in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. Discharge Prohibitions:

1. There shall be no waste discharge from any septic tank/leaching system on any lot where any of the following conditions exist:
 - a. Standard percolation tests indicate a rate of slower than 60 minutes per inch (7.1×10^{-4} cm/sec) or faster than 5 minutes per inch (8.5×10^{-3} cm/sec.).
 - b. There is less than five feet (1.5 m) of soil below the bottom of leachline trenches and water, rock, or first impervious layer.
 - c. Ground slope is greater than 30%.
 - d. Horizontal distance from the high water mark of any perennial stream is less than 100 feet (30 m).
 - e. Horizontal distance to any water well is less than 100 feet (30 m) to any community well is less than 150 feet (46 m) and to any lake or surface impoundment is less than 200 feet (61 m).

An exemption may be approved by the Regional Board if a report is prepared by a civil engineer registered in the State of California, supporting the engineering conclusion that a septic tank/leaching system on the parcel(s) in question will provide adequate treatment and disposal, notwithstanding the existence of one or more of the above (a to e inclusive) conditions. The report must be approved by the Sierra County Health Department and the Regional Board before an exemption may be issued.

2. The direct discharge of sewage or sewage effluent to ground waters, surface waters, or surface water drainage courses is prohibited.
3. Wastewater shall remain underground at all times.

B. Discharge Specifications:

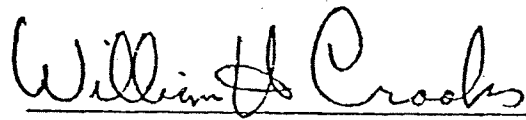
1. Neither the treatment nor the discharge shall cause a pollution or nuisance as defined by the California Water Code, Section 13050.
2. The discharge shall not cause the degradation of any water supply.

C. Provisions:

1. All tentative subdivision maps shall be submitted to the Regional Board and shall identify:
 - (a) Those lots which may be served by standard septic tank/leaching systems.
 - (b) Those lots which will require special design of septic tank/leaching systems.
 - (c) Those areas which will be modified by stream realignment or special drainage conditions.
2. The Department of Real Estate Public Report and the Recorded Tract Restrictions for the Sierra Brooks Subdivision shall include a statement that at any time, the use of septic tank/leaching systems on any of the parcels of land within the Sierra Brooks Subdivision may be prohibited and an assessment levied for the purpose of installing a community sewerage system to which the parcel owner may be required to connect.
3. The Discharger shall comply with the attached Monitoring and Reporting Program No. 85-039.
4. The Discharger shall comply with the Standard Provisions and Reporting Requirements, dated 1 October 1983, which are a part of this Order.
5. The Discharger shall report promptly to the Board any material change or proposed change in the character, location, or volume of the discharge.
6. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the Discharger, the Discharger shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this office.

7. The Board will review this Order periodically and may revise requirements when necessary.

I, WILLIAM H. CROOKS, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Central Valley Region, on 22 February 1985.



WILLIAM H. CROOKS, Executive Officer

Revised: 2/6/85:EZC:gs

Attachments

INFORMATION SHEET

SIERRA COUNTY SERVICE AREA NO. 5, ZONE 5A
(SIERRA BROOKS SUBDIVISION)
SIERRA COUNTY

Waste discharge requirements for this development were first set forth in Order No. 71-249, adopted on 23 April 1971 and revised by Order No. 75-34, adopted on 28 February 1975. The requirements are being revised at this time to reflect the change in service area identification and to revise the monitoring program.

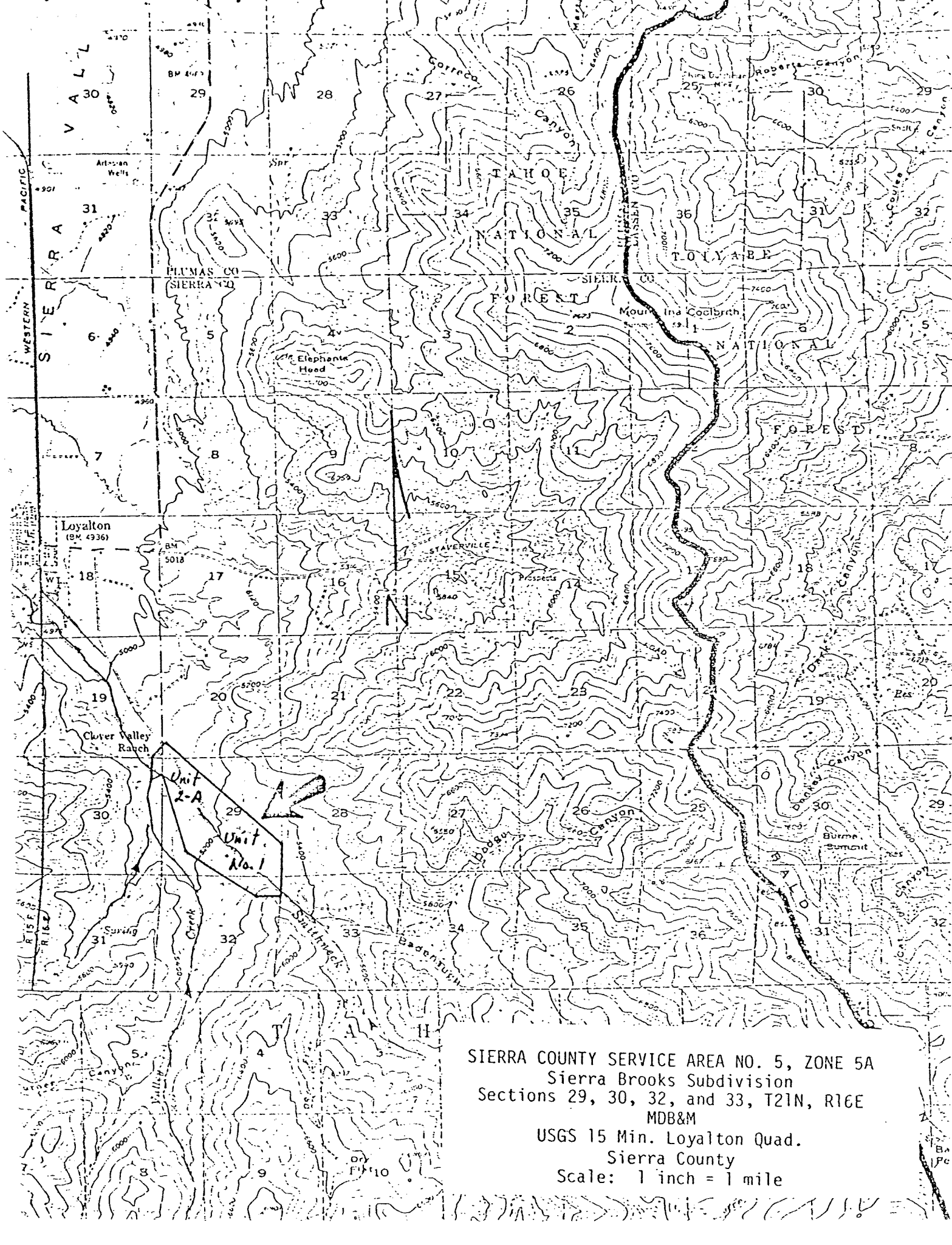
A final subdivision map has been approved only for Units 1 and 2A. Within these units, there are 389 lots; approximately 80 have constructed homes. Also included within the service area are a nine unit campground, a ski area, and a county park.

The development is in the southern end of Sierra Valley which, in this area, is composed of lake deposits, alluvial fans, volcanic ridges and a complex of faults.

Soils in the area are variable and moderate to highly erodible. Some areas are underlain by a clay substrata which places limitations on the use of septic tank/leach field systems. Lots less than one-acre will be served by a public water system. Lots one-acre or larger will have individual wells.

Some lots have known soil limitations such as high water table or restricted permeability. The installation of leachlines below the impermeable clay layer and French drains are two alternatives which have been proposed as mitigation measures.

Revised:1/23/85:EZC:gs



SIERRA COUNTY SERVICE AREA NO. 5, ZONE 5A
 Sierra Brooks Subdivision
 Sections 29, 30, 32, and 33, T21N, R16E
 MDB&M
 USGS 15 Min. Loyalton Quad.
 Sierra County
 Scale: 1 inch = 1 mile

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. 85-039

FOR
SIERRA COUNTY SERVICE AREA NO. 5, ZONE 5A
(SIERRA BROOKS SUBDIVISION)
SIERRA COUNTY

DEVELOPMENT RATE - SYSTEM FAILURE MONITORING

Annually, the Discharger shall submit a report to the Board which specifies the number of sewage systems installed, and the number of sewage system failures or repairs, if any.

SURFACE WATER MONITORING

All surface water samples shall be grab samples. Surface water samples shall be taken from the following:

<u>Station</u>	<u>Description</u>
R-1	Smithneck Creek at Sierra County, Alven A. Powers Memorial Grove Park.
R-2	Bear Canyon Creek at Parcel "C", Well No. 1.
R-3	Smithneck Creek at Antelope Road.

<u>Constituents</u>	<u>Units</u>	<u>Station</u>	<u>Sampling Frequency</u>
Temperature	*F	R-1, R-2, R-3	January, May and September
Specific Conductance	micromhos/cm @25°C	R-1, R-2, R-3	January, May and September
Fecal Coliform	MPN/100 ml	R-1, R-2, R-3	January, May and September

REPORTING

In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly the compliance with waste discharge requirements.

MONITORING AND REPORTING PROGRAM
SIERRA COUNTY SERVICE AREA NO. 5, ZONE 5A
(SIERRA BROOKS SUBDIVISION)
SIERRA COUNTY

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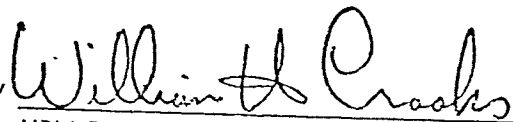
Quarterly and semi-annual monitoring reports shall be submitted to the Regional Board by the 15th day of the month following the reporting period.

The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported to the Board.

Upon written request of the Board, the Discharger shall submit a report to the Board by 30 January of each year. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the Discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

The Discharger shall implement the above monitoring program on the effective date of this Order.

Ordered by



WILLIAM H. CROOKS, Executive Officer

22 February 1985

(Date)

Revised: 1/23/85:EZC:gs