

DEPARTMENT OF CONSERVATION

DIVISION OF SOIL CONSERVATION

SACRAMENTO



Government Center Annex
1024 Simon Drive
Placerville, California

December 13, 1967

El Dorado County Planning Commission
County Office Center
Placerville, California

Gentlemen:

In reviewing the map of the proposed Kyburz Property development at Lake Tahoe certain items were noted which have a bearing on the interests of the Division of Soil Conservation. My comments regarding these items are as follows:

Realignment of the Upper Truckee River - Approximately 3000' east of the airport would be realigned. This would have an effect on velocity and capacity of flow through the new channel and for some distance below it. Preliminary hydrologic computations indicate an approximate flow of 3000' c.f.s. This would require an approximate cross section as follows: 10' depth, 2:1 side slopes, 30' toe to toe width, 70' top width. Added to this would be the need for berms and spoil areas. Flow velocity would be about 6' per second which could cause erosion problems. Erosion control measures would be necessary. During construction of such a channel extreme caution should be exercised to prevent pollution of the stream.

Undoubtedly, there are many facets of such a project that would be detrimental to fish habitat and should be considered. The esthetics of such a development should also be given serious consideration, especially in the Tahoe Basin.

Encroachment onto the flood-plain and stream - Much of the area proposed for development appears to be situated within the flood plain of the Upper Truckee River. This should be taken into account in the design of roads and buildings. We have not made any flood plain studies in this area but one is being requested by the Board of Supervisors.

The map indicates lots extending to the center of the stream channel. The stream should be kept free of obstructions, such as building and other structures, and should be maintained for anticipated high flows. Plans should be made for such maintenance on a total project basis. This would require the stream channel and an area on each side to be dedicated for stream flow purposes. Consideration should also be given to maintenance of trees and vegetation within the reserved strip for erosion control and esthetic values.

Erosion control on sloping land - Some of the area encompasses slopes which will be subject to erosion. Erosion control measures should be planned and properly installed for roads, building sites and other areas which would be disturbed.

Vegetation - During construction selected trees and other vegetation should be left for erosion control and esthetic values.

Sincerely,
Dave Thomas