

DATE September 6, 1984

FISH HABITAT IMPROVEMENT COMPLETION FORM  
REGION 3

SON: S & R FM; FM  
MarkWest Cr.

Stream or Lake Name Mark West Creek Tributary to Russian River

County Sonoma Township \_\_\_\_\_ Range \_\_\_\_\_ Section 28 ¼

Section of stream worked as marked on the attached map

Sponsor Calif. Dept. of Fish & Game Work crew DFG

Landowner name, address, phone # Mr. Kaelin, St. Helena Rd. approximately 1 mile from confluence of St. Helena and Calistoga Roads.

Project duration 8/30/84 Man-days expended 2  
(dates)

Source of funding DJ 604-3 Total cost \_\_\_\_\_

Project benefit Fish Passage Species affected SH

Number of jams removed 1 Number that were barriers 1

Cubic yards of material removed 1½ Amount of sediment 0

Miles of stream opened 1¼ Miles improved \_\_\_\_\_

Methods used Cobra Rock drill and feather and wedges

Further action recommended :

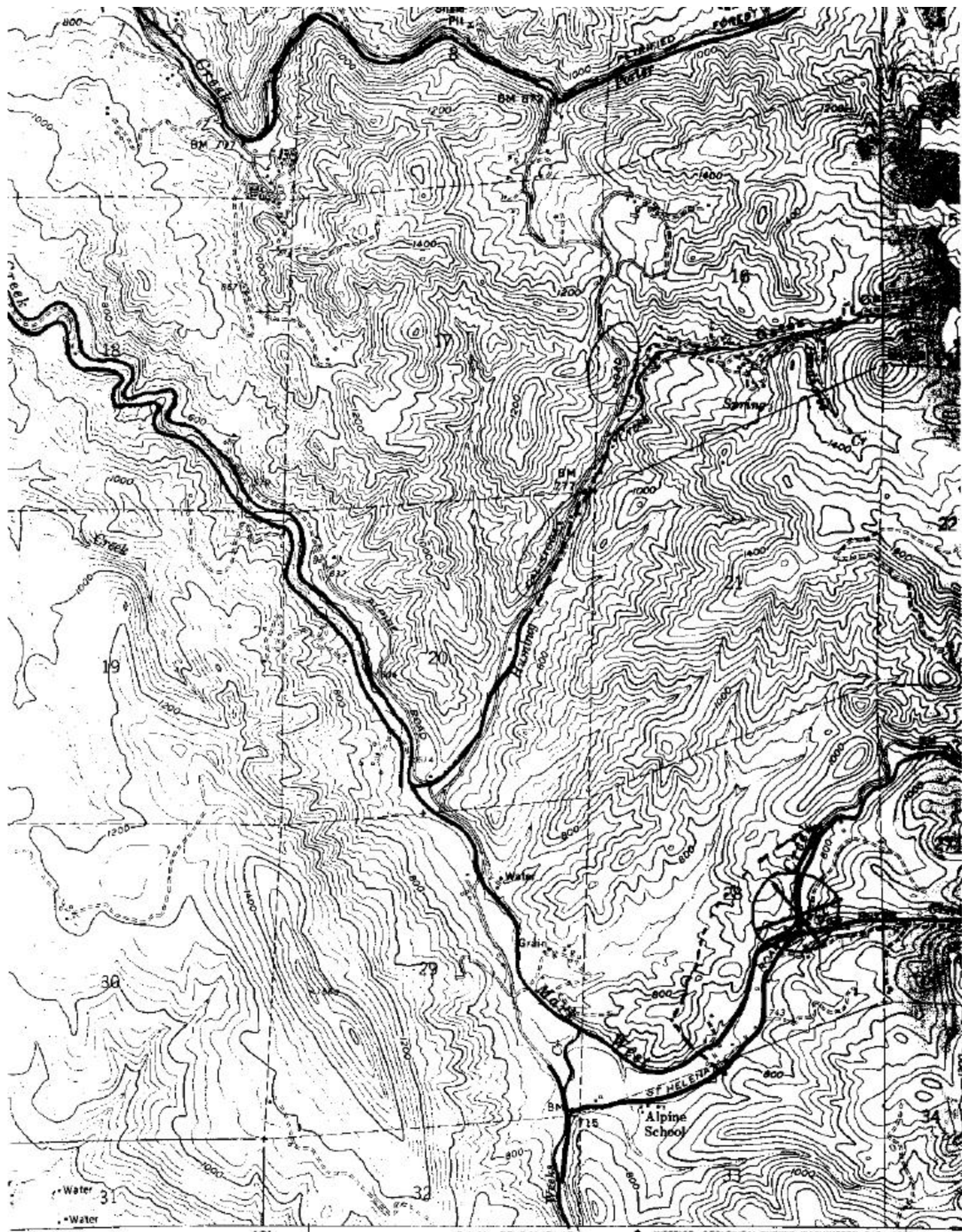
Follow up inspection in winter. Possibly winch boulders from sidehill into tail of jump pool to deepen pool below falls.

Location of maps and photos Attached & U.S.G.S. MarkWest Springs 7½'

Additional comments, explanations, or details:

A 1 1/2 yard rock projection was preventing SH from using a deep jump pool below what should be a passable water fall.

Using a cobra drill, feather, and wedge, we removed this rock improving the angle of approach to the falls. Warden Rennie Cleland has a video tape of SH attempting to jump this barrier in the winter of 1983-84.



R 7 W

40'

3 1 MI. TO CALIF. 12

● INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1948

52700m E.

122°