State of California

Memorandum

Jim Lemieux Water Quality DFG Reg 3 Date: 18 December 1973

From : Department of Fish and Game - BRIAN SMITH, FISH. MGMT

Subject: Bio Sulphur Creek, Squaw Creek, Sonoma County - FISH Population

BIG SULPHUR CREEK - JUVENILE STEELHEAD

VR.	ABUNDANCE	POPULATION ESTIMATE
1964		20,780
VISUAL ESTIMATE		
1968 ROTENONE SURVEY	25/100/ 100/100	17,502
1968 Stream Survey	25/100'	22,400
	**	

1973

/1000

89

STREAM SURVEY

1966 BUREAU SPORT FISH ESTIMATE ADULT SH RUN TO BIG SULPHUR DRAINAGE
OF 4000 ADULT SH

CEST. IN 1968 AT 15,840)

SQUAW CREEK - JUVENILE SH

YR ABUNDANCE POPULATION ESTIMATE

1968 40/100' 12,672

STREAM SURVEY - ROTEDUONE

1973 75/100'

25/1001

GEOTHERMAL ACTIVITY IS THE MATOR CHANGING FACTOR INTHIS DUAINAGE

MOST INTENSIVE GEOTHERMAL DEVELOPMENT HAS OCCURRED ON BIG SULPHUR

CREEK. SQUAW CREEK DRAINAGE HAS NOT YET BEEN SUBJECT

TO THE IMPACT FROM EROSION, SPILLS OF DRILLING FLUIDS, ETC

THAT BIG SULPHUR HAS.

STREAM SURVEYS INDICATE THAT THE PHYSICAL HABITAT INTERMS

OF SPANNING GRAVELS, FLOWS, ETC STILL EXISTS. IN BIG SULPHUR CK.

SHOULD WATER QUALITY IMPROVE , SH POPULATIONS WOULD

PROBABLY RECOVER TO FORMER STATUS.

* ELIMINATION OR REDUCTION OF ADVERSE IMPACTS OR IMPACT POTENTIAL,

TOTAL 10,642