

alossi Ranch

STATE WATER RESOURCES
CONTROL BOARD

2011 NOV 21 AM 10:31 Russian River Frost Protection
Water Demand Management Plan

DIV OF WATER RIGHTS
SACRAMENTO
Submitted By: *John Thomas -*

Date: *11-14-11*

Inventory of frost diversion system(s)

- (A) Name of the diverter - *Daniel Thomas*
- (B-1) Source of water used - *Mainstem Russian River*
- (B-2) Location of diversion *39.09108, -123.1724 - alossi Ranch*
- (C) Diversion system description capacity - *Electric 75HP Pump - 1500 gpm*
- (D-1) Acres frost protected with irrigation - *30 acres*
- (D-2) Acres frost protected by other means - *0*
- (E-1) Rate of diversion - *1500 gpm*
- (E-2) Hours of operation (ea. frost event) - *6-10 Hours*
- (E-3) Volume diverted (ea. frost event) - *1.65 a.f. (6 HR) to 2.75 a.f. (10 HR)*

Stream stage monitoring program

- (A-1) Number of gages - *1*
- (A-2) Gage type *USGS*
- (A-3) Location of stream gages *Hopland - USGS 11462500*
- (B) Stage that should be maintained at each gage to prevent stranding mortality
*whatever is minimum Flow required By
D1610 at time of diversion*
- (C) Provisions for gage installation, calibration and maintenance
*Gages already exist and are calibrated
and maintained By USGS*
- (D) Monitoring and recording intervals (not to exceed 15 min.)

15 minutes

Risk assessment

Guidelines: Based on the inventory and stream stage information described above, and information regarding the presence of habitat for salmonids, the governing body shall conduct a risk assessment that evaluates the potential for frost diversions to cause stranding mortality. The risk assessment shall be conducted in consultation with NMFS and DFG. The governing body is authorized to include its own expert scientists and engineers in the consultation, and request board staff to participate, when desired. The risk assessment shall be evaluated and updated annually.

I no longer direct divert from the River during Frost events. I installed a 11 a.f. Pond in 2010, since I am not diverting during a Frost events, the main stem flows are regulated, and my diversion is equipped with a N.M.F.S. and C.D.F.G. approved Fish screen, so there is no Risk associated with my operation. I will only recharge my pond during non-Frost events when the flow in the River is in compliance with the Bypass Flow terms of my C.D.F.G. 1600 (see attached) and Table 3 of the 2008

Corrective Actions

Guidelines: If the governing body determines that diversions for purposes of frost protection have the potential to cause stranding mortality, the governing body shall notify the diverter(s) of the potential risk. The governing body, in consultation with the diverters, shall develop a corrective action plan that will prevent stranding mortality. Corrective actions may include alternative methods for frost protection, best management practices, better coordination of diversions, construction of offstream storage facilities, real-time stream gage and diversion monitoring, or other alternative methods of diversion. Corrective actions also may include revisions to the number, location and type of stream stage monitoring gages, or to the stream stages considered necessary to prevent stranding mortality. In developing the corrective action plan, the governing body shall consider the relative water right priorities of the diverters and any time delay between groundwater diversions and a reduction in stream stage. The corrective action plan shall include a schedule of implementation. To the extent feasible, the corrective action plan shall include interim corrective actions if long-term corrective actions are anticipated to take over three years to fully implement. The diverters shall implement corrective actions in accordance with the corrective action plan, or cease diverting water for frost protection.

N.M.F.S. Final B.O. (see attached)

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