

Table 3C-6a. Potential Overflow Channel Inlet Data  
Rush and Lee Vining Creeks

Overflow Channel	Length <sup>a</sup> (ft)	Flow in Primary Channel <sup>b</sup> (cfs)	Required Excavation Depth <sup>c</sup> (ft)	Required Excavation Distance <sup>d</sup> (ft)	Comments
<b>Upper Rush Creek</b>					
R1	3,300	NA	NA	NA	Develop a release system from reservoir
R2/R2a	850	166	1.0	50	Low plug fill
		47	1.7	100	--
R2b	325	NE	NE	NE	Similar plug fill as R2a
R3	4,900	166	Negative	0	Channel inlet gated; water surface above gate bottom
		47	Negative	0	
R3a	NA	NA	NA	NA	A-ditch; use for spilling floodflows to pumice flats
R4/R4c	1,575	166	-0.4	0	Water flowing short distance into debris jam
		47	0.3	Short	--
		22	0.6	NE	--
R4a	650	NA	NA	NA	Requires 75-foot-long ditch, maximum depth not estimated
R4b	375	NA	NA	NA	At grade with R4/R4c
R5/R5a	950	166	-0.2	0	Flowing through heavy debris; channel wet for 250 feet
		22	Negative	0	Channel wet for 100-150 feet
R5b1	190	166	1.0	NE	Willow-lined channel
R5b2	175	166	2.6	25	Plug fill
		22	3.1	45	
R6	750	166	2.8	45	Plug fill
		22	@3.3	NE	
R7	600	166	0.6	50	Plus 265 feet of shallow guide trench
R8	1,200	166	1.5	35	Plug fill
<b>Lower Rush Creek</b>					
R9	1,825	166	<1.1	<65	Obscured by thick vegetation; may be flowing; flows year-round 400 feet downstream
R10/R10a	3,125	165	0.8	110	Inlet requires shallow ditch across meadow bank area
		47	1.1	150	
		22	1.8	NE	

Table 3C-6a. Continued

Overflow Channel	Length <sup>a</sup> (ft)	Flow in Primary Channel <sup>b</sup> (cfs)	Required Excavation Depth <sup>c</sup> (ft)	Required Excavation Distance <sup>d</sup> (ft)	Comments
R10b/ R10c	2,725	NA	NA	NA	Develop three-way diversion structure
R11	1,800	166	2.7	30	Plug fill, plus additional 120 feet of channel cleaning
		44	3.5	30	Plug fill, plus additional 185 feet of channel cleaning
R12	1,725	NA	NA	NA	Required 1 foot deep ditch from R11 for 150 feet
R13	2,875	NA	NA	NA	Requires less than 0.5 foot deep ditch from short distance
<b>Lee Vining Creek</b>					
LV1	4,175	168	0.6	25	Former main channel
		9	1.5	NE	
LV2	690	NA	NE	NE	Not surveyed

Notes: NA = not applicable.  
NE = not estimated.

- <sup>a</sup> For potential overflow channels with various subchannels (e.g., a, b, c), the entire channel length is listed for the first subchannel mentioned; lengths for ensuing subchannel represent additional lengths.
- <sup>b</sup> Observation dates: Rush Creek = 47 cfs on June 10, 1992; 166 cfs on June 21, 1991; 165 cfs on June 22, 1991; and 22 cfs on September 21, 1991; Lee Vining Creek = 168 cfs on June 11, 1991 and 9 cfs on September 21, 1991.
- <sup>c</sup> Elevation difference between water surface in main channel and top of bank or fill preventing flow into the overflow channel. Negative or a negative value means water is currently flowing or is capable of flowing into the channel.
- <sup>d</sup> Horizontal distance along overflow channel bottom to point at same elevation as water surface in the main channel, or minimum distance of excavation required to open the overflow channel inlet.