

La Grange Reintroduction Assessment Framework - Upper Tuolumne River Temperature and Timing

	UOWTI (MWAT)	UTWTI (MWAT)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Spring-run Chinook Salmon^{1,2}														
Adult Upstream Migration	64	68			Light	Light	Dark	Light						
Adult Holding	61	65				Light	Light	Light	Light	Light	Light			
Adult Spawning	56	58								Light	Dark	Dark	Light	
Embryo Incubation and Emergence	56	58								Light	Light	Light	Light	Light
Fry Rearing	65	68	Light	Light	Light								Light	Light
Juvenile Rearing and Downstream Movement	65	68	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light
Smolt Outmigration	63	68	Light	Light	Light	Light	Light					Light	Light	Light
Steelhead^{1,2}														
Adult Upstream Migration	64	68	Dark	Dark	Light								Light	Dark
Holding	61	65											Light	Light
Adult Spawning	54	57	Light	Dark	Dark	Light								Light
Embryo Incubation and Emergence	54	57	Light	Light	Dark	Dark	Light							Light
Fry Rearing	68	72		Light	Light	Light	Light	Light	Light					
Juvenile Rearing and Downstream Movement	68	72	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light
Smolt Outmigration	55	57	Light	Dark	Dark	Light								Light

UOWTI = Upper Optimum Water Temperature Index
 UTWTI = Upper Tolerable Water Temperature Index
 MWAT = Maximum Weekly Average Temperature

June 2017

¹ Dark shaded areas represent known peak periods for the specified lifestage whereas light shaded areas represent presence.

² The absence of dark shaded areas for any lifestage indicates that the Technical Committee did not identify any particular peak period based on the available data.