

Appendix K

Truck and Vehicle Trip Generation

**Mission Canyon Stream Habitat Restoration Project
Initial Study/Mitigated Negative Declaration**

Truck Trip Estimate (To and From Site)																
Time Period	Scenario	Vehicle Type	Duration (Days) (1)	Total Cubic Yards (2)	Cubic Yards Per Day (3)	Average Loads Per Day (3) (4)	Total Number of Loads	Trucks Per Day	Truck Trips Per Day	Trucks Per Duration	Truck Trips Per Duration	Average Vehicle Miles Per Day (5)	Average Vehicle Miles Total Over Duration	Truck Trips Per Year	Average Vehicle Miles Per Year (5)	
Phase 1: During Construction (Year 0)	Removal of 100% of Material	Dump Trucks	45	2,850.1	64	6	270	--	12	--	--	331	14,904	540	14,904	
	Implementation	Light duty truck	186	--	--	--	--	--	--	--	--	--	--	264	7,287	
	Restoration - Crew & Gear Trucks	Light duty truck	186	--	--	--	--	6	12	--	--	--	--	2,232	61,604	
	Restoration - Monitoring/Consultant (Arch/Paleo)	Light duty truck	186	--	--	--	--	4	8	--	--	--	--	1,488	41,069	
	Restoration - Monitoring/Consultant (Bio)	Light duty truck	186	--	--	--	--	4	8	--	--	--	--	1,488	41,069	
	Berm Stabilization - Crew & Gear Trucks	Light duty truck	107	--	--	--	--	3	6	--	--	--	--	642	17,720	
	Berm Stabilization - Monitoring/Consultant	Light duty truck	107	--	--	--	--	4	8	--	--	--	--	856	23,626	
	Fire Safety	Type 6 Engine	186	--	--	--	--	1	2	--	--	--	--	372	10,268	
	Fire Safety	Type 7 Engine	186	--	--	--	--	1	2	--	--	--	--	372	10,268	
	Fire Safety	Light duty truck	186	--	--	--	--	1	2	--	--	--	--	372	10,268	
	Restoration - Mobilization	Construction Equipment or Construction Equipment Hauler	--	--	--	--	--	--	--	17	34	--	--	34	939	
	Restoration - Demobilization		--	--	--	--	--	--	--	17	34	--	--	34	939	
	Berm Stabilization - Mobilization		--	--	--	--	--	--	--	3	6	--	--	6	166	
	Berm Stabilization - Demobilization		--	--	--	--	--	--	--	3	6	--	--	6	166	
Dust Watering	Vehicle Already On Site (Included in Mobilization/Demobilization Trips)															
<i>Total</i>														8,706	240,293	
Phase 2: Post-Construction Maintenance and Monitoring	Year 1 of 5	F250 4WD trucks or similar												546	15,070	
		Light duty truck												58	1,601	
		2,000 gallon 4WD water truck													48	1,325
		Lg hydroseed rig													6	166
		<i>Total</i>													658	18,161
	Year 2 of 5	F250 4WD trucks or similar													546	15,070
		Light duty truck													54	1,490
		2,000 gallon 4WD water truck													48	1,325
		Lg hydroseed rig													6	166
		<i>Total</i>													654	18,050
	Year 3 of 5	F250 4WD trucks or similar													516	14,242
		Light duty truck													54	1,490
		2,000 gallon 4WD water truck													0	0
		Lg hydroseed rig													0	0
		<i>Total</i>													570	15,732
	Year 4 of 5	F250 4WD trucks or similar													516	14,242
		Light duty truck													54	1,490
		2,000 gallon 4WD water truck													0	0
		Lg hydroseed rig													0	0
		<i>Total</i>													570	15,732
Year 5 of 5	F250 4WD trucks or similar													516	14,242	
	Light duty truck													54	1,490	
	2,000 gallon 4WD water truck													0	0	
	Lg hydroseed rig													0	0	
	<i>Total</i>													570	15,732	
Notes and Assumptions:																
(1) Approximate value provided by contractor.																
(2) Material Estimate in Cubic Yards = (1390.1 Sidecast + 1,460.0 from Jurisdictional Waters) =																
2850.1																
(3) Values rounded up to account for partial cubic yards and truck loads.																
(4) Approximate Truck Capacity (cubic yards per load) =																
12.0																
(5) Average truck travel route each way (miles) =																
27.6																

