

Table 7.8.3-2. Average Annual Sediment Delivery to Sonoma Creek (tons/year)^a

Source Categories		Estimated Rate ^c (tons/year)
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Natural Processes	Channel Erosion, Incision ^b	25,400
	Colluvial Bank Erosion (Soil Creep)	16,600
	Surface Erosion ^b	6,200
	Landslides ^b	4,100
	Total- Natural Processes	52,300
Human Actions	Channel Incision and Gully Erosion ^b	43,300
	Roads and Stream Crossings	11,200
	Surface Erosion ^b from vineyards, other row crops, and rangelands	8,600
	Urban Stormwater Runoff	1,100
	Landslides ^b	900
	Total- Human Actions	65,100
GRAND TOTAL		117,400
^a Sediment delivery rates are rounded to the nearest hundred. ^b Channel erosion and incision, surface erosion, and landslides are occur due to both Natural Processes and Human Actions. For these sources, each component (natural processes vs. human actions) is displayed separately. ^c The timeframe associated with the average annual rate varies from long-term average rates which were estimated for landslides, channel incision, and gully erosion to those for urban stormwater, surface erosion, and road-related erosion, which are estimated based on current/contemporary conditions.		