

A-1
Glossary of Common Acronyms

AQMD	<i>Air Quality Management District</i> , a regional agency formed by two or more counties, which adopts regulations to meet state and federal air quality standards.
CARB	<i>California Air Resources Board</i> , the State agency responsible for implementation of the federal and State Clean Air Acts. Provides technical assistance to air districts preparing attainment plans; reviews local attainment plans and combines portions of them with State measures for submittal of the State Implementation Plan (SIP) to U.S. EPA.
CASP	<i>California Aviation System Plan</i> , prepared by Caltrans every five years as required by PUC 21701. The CASP integrates regional system planning on a statewide basis.
CEQA	<i>California Environmental Quality Act</i> , State law which requires the environmental effects associated with proposed plans, programs, and projects be fully disclosed.
CTC	<i>California Transportation Commission</i> , a decision-making entity established by AB 402 (Alquist/Ingalls) of 1977 to advise and assist the Secretary of Transportation and the legislature in formulating and evaluating state policies and plans for transportation programs.
DSL	<i>Digital Subscriber Line</i> , high-speed internet connection that uses the same wires as a regular telephone line.
FHWA	<i>Federal Highway Administration</i> , a component of the U.S. Department of Transportation, established to ensure development of an effective national road and highway transportation system. FHWA and FTA, in consultation with U.S. Environmental Protection Agency (EPA), make Federal Clean Air Act Conformity findings for Regional Transportation Plans, Transportation Improvement Programs, and Federally-funded projects.
FTA	<i>Federal Transit Administration</i> , a component of the U.S. Department of Transportation, responsible for administering the federal transit program under the Federal Transit Act, as amended, and the Intermodal Surface Transportation Enhancement Act (ISTEA) of 1991.
IIP	<i>Interregional Improvement Program</i> , under the State Transportation Improvement Program (STIP) reforms of Senate Bill 45, the STIP now consists of two broad programs, the Interregional Improvement Program and the Regional Improvement Program (RIP). The IIP is funded with 25% of the State Highway Account revenues programmed through the State Transportation Improvement Program.
IRRS	<i>Interregional Roadway System</i> , the IRRS is a series of interregional state highway routes outside of Urbanized Areas, that provides access to and between the state's economic centers, major recreational areas, and urban and rural regions.

ISTEA	<i>Intermodal Surface Transportation Efficiency Act of 1991</i> , superceded by the Transportation Equity Act for the 21 st Century (TEA 21), mandated planning requirements and created funding programs for transportation projects.
ITIP	<i>Interregional Transportation Improvement Program</i> , funds capital improvements, on a statewide basis, including capacity increasing projects primarily outside of an urbanized area. Projects are nominated by Caltrans and submitted to the California Transportation Commission for inclusion in the STIP. The ITIP has a 5-year planning horizon and is updated every two years by the CTC.
ITS	<i>Intelligent Transportation Systems</i> , is the application of advanced sensor, computer, electronics, and communication technologies and management strategies to increase the safety and efficiency of the surface transportation system.
LOS	<i>Levels-of-Service</i> , a qualitative measure of traffic operating conditions whereby a letter grade, "A" through "F", corresponding to progressively worsening traffic conditions, is assigned to an intersection or section of roadway.
NEPA	<i>National Environmental Protection Act</i> , federal legislation which created an environmental review process similar to CEQA, but pertaining only to projects having federal involvement through financing, permitting, or Federal Land ownership.
RIP	<i>Regional Improvement Program</i> , Under the State Transportation Improvement Program (STIP) reforms of Senate Bill 45, the STIP now consists of two broad programs, the RIP and IIP. The RIP is funded from 75% of the new STIP funds, divided by formula among fixed county shares. Each county selects projects to be funded from its county share in its Regional Transportation Improvement Program (RTIP).
RTIP	<i>Regional Transportation Improvement Program</i> , a list of proposed transportation projects submitted to the California Transportation Commission by regional transportation planning agencies for state funding. The RTIP has a 5-year planning horizon (previously 7-year) and is updated every two years by the CTC.
RTP	<i>Regional Transportation Plan</i> , state mandated document prepared biennially by all regional transportation planning agencies. The Plan describes existing and projected transportation needs, conditions and financing affecting all modes within a 20-year horizon.
RTPA	<i>Regional Transportation Planning Agency</i> , a state designated agency (multi-county or county level-agency) responsible for regional transportation planning to meet state planning mandates. RTPAs can be Local Transportation Commissions, Councils of Government, Metropolitan Planning Organizations or statutorily created agencies.

SAFETEA-LU	<i>Safe, Accountable, Flexible, Efficient Transportation Equity Act - A Legacy for Users</i> , signed into law in 2005 made changes to metropolitan planning processes and authorized the Federal surface transportation programs for highways, highway safety and transit for 2005-2009.
SHA	<i>State Highway Account</i> , the SHA is the state's primary source for funding transportation improvements. Revenues from state fuel tax (gasoline and diesel fuel excise tax), truck weight fees and the federal highway funds are deposited into SHA. SHA provides funding for 1) non-capital outlays (maintenance, operations, capital outlay support, etc.), 2) State Transportation Improvement Program (STIP), 3) State Highway Operation and Protection Program (SHOPP), 4) local assistance, etc.
SHOPP	<i>State Highway Operations and Protection Program</i> , a program created by state legislature, which includes projects needed to maintain the integrity of the state highway system, primarily associated with safety and rehabilitation without increasing roadway capacity. SHOPP is a four-year program of projects, approved by the CTC separately from the STIP cycle.
SIP	<i>State Implementation Plan</i> , required by the Federal Clean Air Act Amendment of 1990. The SIP is an air quality plan developed by the California Air Resources Board in cooperation with local air districts for attaining and maintaining Federal Clean Air Act Standards.
STA	<i>State Transit Assistance</i> , revenues from the excise tax on gasoline and diesel fuel are appropriated to the State Controller's Office by the Legislature for allocation to transit operators by RTPAs.
STIP	<i>State Transportation Improvement Program</i> , a list of transportation projects proposed in RTIPs and ITIPs, which are approved for funding by the CTC.
TDM	<i>Transportation Demand Management</i> , refers to policies, programs, and actions that are directed towards decreasing the use of single occupant vehicles. TDM also can include activities to encourage shifting or spreading peak travel periods.
TSM	<i>Transportation System Management</i> , refers to the use of low capital intensive transportation improvements to increase the efficiency of transportation facilities and services. These can include carpool and vanpool programs, parking management, traffic flow improvements, high occupancy vehicle lanes, and park-and-ride lots.
U.S. EPA	<i>U.S. Environmental Protection Agency</i> , reviews and approves the State Implementation Plan, including emissions budgets used in RTP conformity assessments.
Wi-Fi	<i>Wireless Fidelity</i> , is term that is meant to be used generically when referring to any type of 802.11 wireless network, whether 802.11(a), 802.11(b), dual-band, etc. Wi-Fi allows a person to connect to the internet from virtually anywhere within range of a base station.

WiMAX

Worldwide Interoperability for Microwave Access, a certification mark for products that pass conformity and interoperability tests for the 802.16 wireless standards. Products that pass the conformity tests for WiMAX are capable of forming wireless connections between them to permit the carrying of internet package data. It is similar to Wi-Fi in concept, but has certain improvements that are aimed at improving performance and should permit usage over much greater distances.

NCTC Funding Sources

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Govt. Level	Fund Name	Who Allocates	Cycle	Appx. \$ Range	Purpose	Eligible Claimants	Source	Details
Local	LTF – Local Transportation Fund			\$2.4 million	Transit Operations, administration & planning, community transit services, bike & pedestrian	NCTC, Cities, County, Nevada Co. Transit Services Division	1/4 cent sales tax in countywide region	State Transportation Development Act (TDA) law governs
	Transit Operations	NCTC	Annual	\$1.9 million	Operation of Public Transit Services	Nevada Co. Transit Services Division, Town of Truckee	Local Transportation Fund allocations, deposited to separate fund accounts	Subject to NCTC policy and TDA Law
	Admin. & Planning			\$297,000	Overall Work Program – administration of TDA and planning activities	NCTC		
	Community Transit Services			\$103,000	Coordinated Transit Service	Nevada County, Gold Country Telecare, Inc.		
	2% Bicycle & Pedestrian			\$42,000	Optional local projects; match funds for grants	Cities, County		
	Regional Transportation Mitigation Fee (RTMF) Program	NCTC	Annual	\$140,000 to \$380,000	Ensure future growth mitigates both its direct and cumulative impacts on regional transportation facilities.	Grass Valley, Nevada City, and Nevada County	Development Fees	NCTC administers for Grass Valley, Nevada City, and Nevada County
	STIP / RTIP – State / Regional Transportation Improvement Program			\$0-4 million	Funds avail. every other year, programmed over 5 years	Capital improvements to the State highway system	NCTC	State & federal gasoline taxes; State truck weight fees
State	PPM – Planning, Programming & Monitoring			Annual as programmed in 5-yr. RTIP	Averages \$85,000	Manage Regional Transportation Improvement Program (RTIP), other OWP projects	NCTC	2-5% of RTIP funds

Govt. Level	Fund Name	Who Allocates	Cycle	Appx. \$ Range	Purpose	Eligible Claimants	Source	Details
State	RPA – Rural Planning Assistance	Caltrans	Annual	\$185,000	State-mandated transportation planning activities, other OWP planning projects	NCTC	State budget	Caltrans allocates to regions by formula
	STA – State Transit Assistance	NCTC	Annual	\$ 240,000	Public transit operating or capital projects	Nevada Co. Transit Services Division, Town of Truckee	Diesel & gasoline excise taxes	State TDA law governs
	TE – Transportation Enhancements Program	CTC, NCTC Thru STIP	6 years	\$1 million	Enhancements to surface transportation system beyond any required mitigations (12 eligibility categories)	Cities, County, others if sponsored by eligible entity	SAFETEA-LU	Includes bike & ped., scenic corridors, rail trails, historic preservation
	RSTP – Regional Surface Transportation Program	NCTC	Annual	\$764,000	Discretionary uses; surface transportation improvement projects or maintenance	Cities & County by NCTC policy	SAFETEA-LU	NCTC exchanges Federal dollars for State dollars
	FTA Section 5310	CTC	Annual	\$80,000 per project	Vehicles, equipment	Gold Country Telecare, Inc.	Federal Transit Administration	Competitive grant program, NCTC reviews & ranks apps.
	FTA Section 5311	Caltrans, NCTC	Annual	\$317,000	Operating assistance	Nevada Co. Transit Services Division, Town of Truckee	Federal Transit Administration	Regional allocation
	CMAQ – Congestion Mitigation and Air Quality Program	Caltrans, NCTC	Annual	\$850,000	Funding for eligible Federal aid projects that improve air quality	Cities, County, others if sponsored by eligible entity	SAFETEA-LU	Projects must be able to demonstrate air quality benefits

Emission Projections by Summary Category

Reactive Organic Gases

NEVADA COUNTY

REPORT TYPE GROWN AND CONTROLLED
 SEASON ANNUAL AVERAGE
 BASE YEAR: 2008

All emissions are represented in Tons per Day and reflect the most current data provided to ARB
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MOBILE SOURCES					
SUMMARY CATEGORY NAME	2005	2008	2010	2015	2020
ON-ROAD MOTOR VEHICLES					
LIGHT DUTY PASSENGER (LDA)	1.002	0.799	0.652	0.375	0.253
LIGHT DUTY TRUCKS - 1 (LDT1)	0.874	0.819	0.769	0.660	0.535
LIGHT DUTY TRUCKS - 2 (LDT2)	0.529	0.475	0.438	0.345	0.286
MEDIUM DUTY TRUCKS (MDV)	0.227	0.213	0.202	0.169	0.142
LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	0.098	0.066	0.056	0.048	0.051
LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	0.067	0.056	0.049	0.035	0.026
MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)	0.104	0.080	0.064	0.034	0.018
HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	0.038	0.025	0.020	0.013	0.008
LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)	0.011	0.008	0.007	0.006	0.005
LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)	0.007	0.007	0.007	0.006	0.005
MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)	0.008	0.008	0.008	0.007	0.006
HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	0.350	0.373	0.323	0.243	0.182
MOTORCYCLES (MCY)	0.279	0.263	0.248	0.240	0.256
HEAVY DUTY DIESEL URBAN BUSES (UB)	0.000	0.000	0.000	0.000	0.000
HEAVY DUTY GAS URBAN BUSES (UB)	0.000	0.000	0.000	0.000	0.000
SCHOOL BUSES (SB)	0.005	0.005	0.004	0.003	0.003
OTHER BUSES (OB)	0.006	0.006	0.006	0.005	0.005
MOTOR HOMES (MH)	0.020	0.015	0.012	0.007	0.003
* TOTAL ON-ROAD MOTOR VEHICLES	3.624	3.218	2.867	2.200	1.785
OTHER MOBILE SOURCES					
AIRCRAFT	0.049	0.049	0.049	0.049	0.049
TRAINS	0.037	0.036	0.036	0.038	0.039
RECREATIONAL BOATS	1.617	1.473	1.371	1.223	1.145
OFF-ROAD RECREATIONAL VEHICLES	1.280	1.430	1.506	1.704	1.985
OFF-ROAD EQUIPMENT	0.593	0.508	0.462	0.370	0.326
FARM EQUIPMENT	0.056	0.048	0.044	0.029	0.019
FUEL STORAGE AND HANDLING	0.097	0.067	0.057	0.041	0.034
* TOTAL OTHER MOBILE SOURCES	3.729	3.612	3.525	3.454	3.597
** TOTAL MOBILE SOURCES	7.352	6.830	6.392	5.654	5.382
GRAND TOTAL FOR NEVADA	7.352	6.830	6.392	5.654	5.382

* Emissions from natural sources are excluded

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CEPAM: 2009 ALMANAC - STANDARD EMISSIONS TOOL

Emission Projections by Summary Category

Oxides of Nitrogen

NEVADA COUNTY

REPORT TYPE: GROWN AND CONTROLLED
 SEASON: ANNUAL AVERAGE
 BASE YEAR: 2008

All emissions are represented in Tons per Day and reflect the most current data provided to ARB
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MOBILE SOURCES					
SUMMARY CATEGORY NAME	2005	2008	2010	2015	2020
ON-ROAD MOTOR VEHICLES					
LIGHT DUTY PASSENGER (LDA)	0.784	0.647	0.545	0.327	0.208
LIGHT DUTY TRUCKS - 1 (LDT1)	0.929	0.835	0.764	0.600	0.431
LIGHT DUTY TRUCKS - 2 (LDT2)	0.812	0.691	0.605	0.417	0.292
MEDIUM DUTY TRUCKS (MDV)	0.417	0.378	0.344	0.256	0.184
LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	0.090	0.102	0.104	0.110	0.120
LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	0.055	0.053	0.050	0.046	0.044
MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)	0.062	0.057	0.051	0.037	0.025
HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	0.071	0.053	0.045	0.035	0.028
LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)	0.312	0.205	0.166	0.114	0.085
LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)	0.181	0.162	0.147	0.107	0.076
MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)	0.395	0.370	0.337	0.226	0.146
HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	5.192	5.504	4.665	3.172	2.129
MOTORCYCLES (MCY)	0.064	0.072	0.074	0.079	0.088
HEAVY DUTY DIESEL URBAN BUSES (UB)	0.009	0.009	0.010	0.010	0.010
HEAVY DUTY GAS URBAN BUSES (UB)	0.001	0.002	0.002	0.002	0.002
SCHOOL BUSES (SB)	0.038	0.039	0.039	0.039	0.036
OTHER BUSES (OB)	0.030	0.029	0.028	0.023	0.017
MOTOR HOMES (MH)	0.078	0.072	0.067	0.050	0.035
* TOTAL ON-ROAD MOTOR VEHICLES	9.520	9.279	8.043	5.650	3.958
OTHER MOBILE SOURCES					
AIRCRAFT	0.006	0.006	0.006	0.006	0.006
TRAINS	0.548	0.493	0.482	0.512	0.540
RECREATIONAL BOATS	0.229	0.266	0.266	0.277	0.295
OFF-ROAD RECREATIONAL VEHICLES	0.030	0.035	0.037	0.049	0.061
OFF-ROAD EQUIPMENT	1.533	1.378	1.272	0.983	0.723
FARM EQUIPMENT	0.275	0.240	0.221	0.158	0.103
FUEL STORAGE AND HANDLING	0.000	0.000	0.000	0.000	0.000
* TOTAL OTHER MOBILE SOURCES	2.622	2.417	2.285	1.984	1.729
** TOTAL MOBILE SOURCES	12.142	11.696	10.328	7.634	5.687
GRAND TOTAL FOR NEVADA	12.142	11.696	10.328	7.634	5.687

* Emissions from natural sources are excluded

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Emission Projections by Summary Category

Carbon Monoxide

NEVADA COUNTY

REPORT TYPE GROWN AND CONTROLLED
 SEASON ANNUAL AVERAGE
 BASE YEAR: 2008

All emissions are represented in Tons per Day and reflect the most current data provided to ARB
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MOBILE SOURCES					
SUMMARY CATEGORY NAME	2005	2008	2010	2015	2020
ON-ROAD MOTOR VEHICLES					
LIGHT DUTY PASSENGER (LDA)	8.694	7.125	5.946	3.523	2.298
LIGHT DUTY TRUCKS - 1 (LDT1)	9.086	8.212	7.505	5.799	4.123
LIGHT DUTY TRUCKS - 2 (LDT2)	5.827	5.011	4.440	3.192	2.406
MEDIUM DUTY TRUCKS (MDV)	2.718	2.470	2.264	1.757	1.388
LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	0.846	0.554	0.462	0.361	0.329
LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	0.590	0.443	0.357	0.225	0.154
MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)	0.829	0.675	0.575	0.358	0.222
HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	0.533	0.362	0.302	0.246	0.206
LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)	0.056	0.044	0.040	0.035	0.034
LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)	0.031	0.032	0.032	0.031	0.029
MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)	0.070	0.074	0.075	0.071	0.070
HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	1.444	1.520	1.314	1.022	0.805
MOTORCYCLES (MCY)	2.151	2.205	2.023	1.789	1.809
HEAVY DUTY DIESEL URBAN BUSES (UB)	0.002	0.002	0.002	0.002	0.002
HEAVY DUTY GAS URBAN BUSES (UB)	0.002	0.002	0.002	0.003	0.003
SCHOOL BUSES (SB)	0.069	0.064	0.061	0.037	0.030
OTHER BUSES (OB)	0.068	0.071	0.072	0.069	0.057
MOTOR HOMES (MH)	0.529	0.393	0.311	0.152	0.061
* TOTAL ON-ROAD MOTOR VEHICLES	33.546	29.258	25.784	18.673	14.026
OTHER MOBILE SOURCES					
AIRCRAFT	1.653	1.653	1.653	1.653	1.653
TRAINS	0.109	0.117	0.123	0.137	0.154
RECREATIONAL BOATS	5.527	5.350	5.187	5.059	5.174
OFF-ROAD RECREATIONAL VEHICLES	3.093	3.430	3.667	4.271	5.024
OFF-ROAD EQUIPMENT	4.163	4.104	4.109	3.980	4.116
FARM EQUIPMENT	0.289	0.273	0.265	0.253	0.243
FUEL STORAGE AND HANDLING	0.000	0.000	0.000	0.000	0.000
* TOTAL OTHER MOBILE SOURCES	14.834	14.927	15.005	15.353	16.365
** TOTAL MOBILE SOURCES	48.380	44.185	40.789	34.026	30.391
GRAND TOTAL FOR NEVADA	48.380	44.185	40.789	34.026	30.391

* Emissions from natural sources are excluded

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Emission Projections by Summary Category

Oxides of Sulfur

NEVADA COUNTY

REPORT TYPE GROWN AND CONTROLLED
 SEASON ANNUAL AVERAGE
 BASE YEAR: 2008

All emissions are represented in Tons per Day and reflect the most current data provided to ARB
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MOBILE SOURCES					
SUMMARY CATEGORY NAME	2005	2008	2010	2015	2020
ON-ROAD MOTOR VEHICLES					
LIGHT DUTY PASSENGER (LDA)	0.004	0.004	0.004	0.005	0.005
LIGHT DUTY TRUCKS - 1 (LDT1)	0.006	0.004	0.004	0.004	0.005
LIGHT DUTY TRUCKS - 2 (LDT2)	0.003	0.003	0.004	0.004	0.005
MEDIUM DUTY TRUCKS (MDV)	0.002	0.002	0.002	0.002	0.003
LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	0.000	0.001	0.001	0.001	0.001
LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	0.000	0.000	0.000	0.000	0.000
MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)	0.000	0.000	0.000	0.000	0.000
HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	0.000	0.000	0.000	0.000	0.000
LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)	0.003	0.000	0.000	0.000	0.000
LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)	0.001	0.000	0.000	0.000	0.000
MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)	0.004	0.001	0.001	0.001	0.001
HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	0.040	0.005	0.005	0.006	0.007
MOTORCYCLES (MCY)	0.000	0.000	0.000	0.000	0.000
HEAVY DUTY DIESEL URBAN BUSES (UB)	0.000	0.000	0.000	0.000	0.000
HEAVY DUTY GAS URBAN BUSES (UB)	0.000	0.000	0.000	0.000	0.000
SCHOOL BUSES (SB)	0.000	0.000	0.000	0.000	0.000
OTHER BUSES (OB)	0.000	0.000	0.000	0.000	0.000
MOTOR HOMES (MH)	0.001	0.000	0.000	0.000	0.000
* TOTAL ON-ROAD MOTOR VEHICLES	0.066	0.020	0.021	0.023	0.027
OTHER MOBILE SOURCES					
AIRCRAFT	0.001	0.001	0.001	0.001	0.001
TRAINS	0.026	0.003	0.003	0.000	0.001
RECREATIONAL BOATS	0.000	0.000	0.000	0.000	0.001
OFF-ROAD RECREATIONAL VEHICLES	0.012	0.013	0.014	0.017	0.021
OFF-ROAD EQUIPMENT	0.010	0.000	0.000	0.001	0.001
FARM EQUIPMENT	0.002	0.000	0.000	0.000	0.000
FUEL STORAGE AND HANDLING	0.000	0.000	0.000	0.000	0.000
* TOTAL OTHER MOBILE SOURCES	0.051	0.019	0.020	0.020	0.024
** TOTAL MOBILE SOURCES	0.117	0.039	0.040	0.044	0.051
GRAND TOTAL FOR NEVADA					
	0.117	0.039	0.040	0.044	0.051

* Emissions from natural sources are excluded

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CEPAM: 2009 ALMANAC - STANDARD EMISSIONS TOOL

Emission Projections by Summary Category

Particulate Matter < 2.5 Microns

NEVADA COUNTY

REPORT TYPE GROWN AND CONTROLLED
 SEASON ANNUAL AVERAGE
 BASE YEAR: 2008

All emissions are represented in Tons per Day and reflect the most current data provided to ARB
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MOBILE SOURCES					
SUMMARY CATEGORY NAME	2005	2008	2010	2015	2020
ON-ROAD MOTOR VEHICLES					
LIGHT DUTY PASSENGER (LDA)	0.018	0.019	0.020	0.023	0.025
LIGHT DUTY TRUCKS - 1 (LDT1)	0.019	0.020	0.020	0.022	0.024
LIGHT DUTY TRUCKS - 2 (LDT2)	0.021	0.023	0.025	0.028	0.032
MEDIUM DUTY TRUCKS (MDV)	0.009	0.010	0.011	0.013	0.015
LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	0.001	0.001	0.001	0.002	0.002
LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	0.000	0.000	0.000	0.001	0.001
MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)	0.000	0.000	0.000	0.000	0.000
HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	0.000	0.000	0.000	0.000	0.000
LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)	0.003	0.002	0.002	0.002	0.001
LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)	0.002	0.002	0.002	0.001	0.001
MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)	0.010	0.010	0.009	0.008	0.007
HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	0.198	0.192	0.158	0.105	0.068
MOTORCYCLES (MCY)	0.002	0.002	0.002	0.001	0.001
HEAVY DUTY DIESEL URBAN BUSES (UB)	0.000	0.000	0.000	0.000	0.000
HEAVY DUTY GAS URBAN BUSES (UB)	0.000	0.000	0.000	0.000	0.000
SCHOOL BUSES (SB)	0.001	0.001	0.001	0.001	0.001
OTHER BUSES (OB)	0.001	0.001	0.001	0.001	0.000
MOTOR HOMES (MH)	0.001	0.001	0.001	0.001	0.001
* TOTAL ON-ROAD MOTOR VEHICLES	0.286	0.284	0.253	0.208	0.181
OTHER MOBILE SOURCES					
AIRCRAFT	0.002	0.002	0.002	0.002	0.002
TRAINS	0.014	0.013	0.013	0.013	0.014
RECREATIONAL BOATS	0.080	0.093	0.104	0.136	0.175
OFF-ROAD RECREATIONAL VEHICLES	0.012	0.013	0.014	0.016	0.018
OFF-ROAD EQUIPMENT	0.092	0.082	0.074	0.050	0.031
FARM EQUIPMENT	0.015	0.013	0.012	0.008	0.005
FUEL STORAGE AND HANDLING	0.000	0.000	0.000	0.000	0.000
* TOTAL OTHER MOBILE SOURCES	0.216	0.217	0.220	0.226	0.244
** TOTAL MOBILE SOURCES	0.502	0.500	0.473	0.434	0.425
GRAND TOTAL FOR NEVADA	0.502	0.500	0.473	0.434	0.425

* Emissions from natural sources are excluded

The Board is one of five boards, departments, and offices under the umbrella of the California Environmental Protection Agency
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CEPAM: 2009 ALMANAC - STANDARD EMISSIONS TOOL

Emission Projections by Summary Category

Particulate Matter < 10 Microns

NEVADA COUNTY

REPORT TYPE: GROWN AND CONTROLLED
 SEASON: ANNUAL AVERAGE
 BASE YEAR: 2008

All emissions are represented in Tons per Day and reflect the most current data provided to ARB
[Download this data as a comma delimited file](#)
[Download more detail data as a comma delimited file](#)

MOBILE SOURCES					
SUMMARY CATEGORY NAME	2005	2008	2010	2015	2020
ON-ROAD MOTOR VEHICLES					
LIGHT DUTY PASSENGER (LDA)	0.032	0.035	0.036	0.041	0.047
LIGHT DUTY TRUCKS - 1 (LDT1)	0.031	0.032	0.033	0.036	0.041
LIGHT DUTY TRUCKS - 2 (LDT2)	0.033	0.035	0.037	0.042	0.048
MEDIUM DUTY TRUCKS (MDV)	0.013	0.015	0.016	0.019	0.022
LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	0.002	0.002	0.002	0.003	0.004
LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	0.001	0.001	0.001	0.001	0.001
MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)	0.000	0.000	0.000	0.000	0.000
HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	0.000	0.000	0.000	0.000	0.000
LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)	0.004	0.003	0.003	0.002	0.002
LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)	0.003	0.002	0.002	0.002	0.002
MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)	0.011	0.011	0.011	0.009	0.008
HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	0.225	0.220	0.183	0.128	0.090
MOTORCYCLES (MCY)	0.002	0.003	0.002	0.002	0.002
HEAVY DUTY DIESEL URBAN BUSES (UB)	0.000	0.000	0.000	0.000	0.000
HEAVY DUTY GAS URBAN BUSES (UB)	0.000	0.000	0.000	0.000	0.000
SCHOOL BUSES (SB)	0.001	0.001	0.001	0.002	0.002
OTHER BUSES (OB)	0.001	0.001	0.001	0.001	0.000
MOTOR HOMES (MH)	0.001	0.001	0.001	0.001	0.001
* TOTAL ON-ROAD MOTOR VEHICLES	0.361	0.363	0.331	0.290	0.270
OTHER MOBILE SOURCES					
AIRCRAFT	0.002	0.002	0.002	0.002	0.002
TRAINS	0.016	0.014	0.014	0.014	0.015
RECREATIONAL BOATS	0.106	0.123	0.138	0.180	0.231
OFF-ROAD RECREATIONAL VEHICLES	0.015	0.018	0.019	0.021	0.024
OFF-ROAD EQUIPMENT	0.102	0.091	0.083	0.057	0.036
FARM EQUIPMENT	0.017	0.014	0.013	0.009	0.005
FUEL STORAGE AND HANDLING	0.000	0.000	0.000	0.000	0.000
* TOTAL OTHER MOBILE SOURCES	0.258	0.263	0.270	0.284	0.313
** TOTAL MOBILE SOURCES	0.620	0.626	0.600	0.574	0.583
GRAND TOTAL FOR NEVADA	0.620	0.626	0.600	0.574	0.583

* Emissions from natural sources are excluded

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**PUBLIC INVOLVEMENT PLAN SUMMARY
FOR THE
2010 NEVADA COUNTY REGIONAL TRANSPORTATION PLAN**

Public Involvement Plan

This summary addresses the public and stakeholder outreach efforts in relation to the proposed adoption of the *2010 Nevada County Regional Transportation Plan* (RTP) and Supplemental Environmental Impact Report (SEIR) scheduled for July 20, 2011. The purpose of this summary is to document the opportunities for public, including under-represented groups, private sector, and stakeholder input and dialog on the content of the RTP and SEIR.

Outreach Methods:

The following outreach methods were used to elicit comments on the draft RTP and SEIR:

- **Legal Notices and Press Releases:** Legal notices in newspapers regarding the documents, the comment period, and public hearing have been or will be placed in The Union and Sierra Sun as required. Press releases are also sent to additional media contacts.
- **NCTC Website:** The draft documents and the opportunity to comment on them were highlighted on the NCTC website at www.nctc.ca.gov.
- **NCTC Newsletter:** Information regarding the preparation of the draft RTP and SEIR and the public comment periods were provided in the June 2010, December 2010, and June 2011 NCTC newsletters that were distributed to interested stakeholders and the public. Newsletters are posted on the bulletins boards of local jurisdictions and public libraries and mailed to mobile home parks, residential home owners associations, senior centers, environmental advocates, associations representing the private sector, and interested individuals that have asked to be included on the distribution list.
- **Posted Agendas:** The agendas for the NCTC meetings are posted at the NCTC offices, Eric Rood Government Center, Grass Valley City Hall, Nevada City Hall, and Truckee Town Hall, and on the NCTC website.
- **NCTC Technical Advisory Committee (TAC):** The documents and associated staff reports were made available to the TAC and local jurisdictions for review and comment.
- **State Clearinghouse Review and Circulation:** The Notice of Preparation (NOP) of a Supplemental Environmental Impact Report for the draft RTP was sent to the State Clearinghouse, regional stakeholders, and distributed by the State Clearinghouse to responsible state and federal land use, natural resource, environmental protection, conservation and historic preservation agencies for review and comment.
- **Regional Distribution of NOP:** In addition to the responsible State and Federal agencies contacted by the State Clearing House, NCTC also distributed the NOP to regional stakeholders and planning partners, including representatives of the Washoe Tribe of Nevada and California, T'Si-akim Maidu, United Auburn Indian Community, and Todd Valley, Miwok-Maidu Cultural Foundation.

- **Public Meetings:** The initial draft RTP was presented at the November 17, 2010 NCTC meeting and the final draft will be presented at a noticed public hearing at the July 20, 2011 NCTC meeting.

Public Comment Period

The initial draft RTP was presented at a public meeting of the Nevada County Transportation Commission (NCTC) on November 17, 2010 and then made available for public review between November 24, 2010 and December 29, 2010. At the conclusion of the public comment period minor revisions were made to initial draft RTP and the revised draft RTP was made available for an additional 45-day comment period, between May 17, 2011 and June 30, 2011, in conjunction with the public comment period on the draft SEIR.

The draft RTP and draft SEIR were made available for review at the following locations:

- ◆ Madelyn Helling Library, 980 Helling Way, Nevada City, CA 95959
- ◆ Grass Valley Library Royce Branch, 207 Mill Street, Grass Valley, CA 95945
- ◆ NCTC, 101 Providence Mine Road, Suite 102, Nevada City, CA 95959
- ◆ Truckee Library, 10031 Levone Avenue, Truckee, CA 96161
- ◆ NCTC website at www.nctc.ca.gov

The public comment opportunities will include a public hearing at the July 20, 2011 NCTC meeting in relation to consideration of the potential environmental impacts and recommended adoption of the *2010 Nevada County Regional Transportation Plan*.

Final Documents

Final documents will be available for review at the NCTC office, NCTC website, and printed documents will be available for a reproduction fee.

California State Wildlife Action Plan – Sierra Nevada and Cascades Region Inventory

WILDLIFE SPECIES MATRIX

<u>Taxo n</u>	<u>E</u>	<u>Scientific Name</u>	<u>Common Name</u>	<u>Status</u>	<u>Regio ns</u>	<u>Range M ap</u>	<u>Habitat Type</u>	<u>Pop. Trend</u>
☒	☒	<i>Accipiter cooperii</i>	Cooper's Hawk	CNDDB: G5S3 IUCN: LC DFG: CSC	View	View	Wide Variety of Habitats	?
☒	☒	<i>Accipiter gentilis</i>	Northern Goshawk	CNDDB: G5S3 IUCN: LC CDF: Sensitive DFG: CSC FS: Sensitive	View	View	Wide Variety of Habitats	▼
☒	☒	<i>Accipiter striatus</i>	Sharp-Shinned Hawk	CNDDB: G5S3 IUCN: LC DFG: CSC	View	View	Wide Variety of Habitats	?
☒	☒	<i>Agelaius tricolor</i>	Tricolored Blackbird	CNDDB: G2G3S2 IUCN: LC Audubon: Watch list BLM: Sensitive DFG: CSC FWS: BCC	View	View	Annual Grassland Cropland Freshwater Emergent Wetland	▼

				Perennial Grassland
✓	<i>Ambystoma californiense</i>	California Tiger Salamander	CNDDB: G2G3S2S3 FED: Threatened IUCN: VU/A2c DFG: CSC	View View ▼
✓	<i>Ammodramus savannarum</i>	Grasshopper Sparrow	CNDDB: G5S2	View View ▼
✓	<i>Ammonitiella yatesi</i>	Tight Coin (=Yates' Snail)	CNDDB: G1S1 IUCN: VU/D2	View ?
✓	<i>Ammospermophilus nelsoni</i>	San Joaquin Antelope Squirrel	CNDDB: G2S2 CA: Threatened IUCN: EN/A1a, B1+2c	View View ▼
✓	<i>Andrena blennospermatis</i>	No common name	CNDDB: G2S2	View ?
✓	<i>Andrena macswaini</i>	No common name	CNDDB: G1G3S1S3	View ?
✓	<i>Andrena subapaste</i>	No common name	CNDDB: G1G3S1S3	View ?

	<i>Anodonta californiensis</i>	California Floater (mussel)	CNDDB: G3S2? FS: Sensitive	View	Lacustrine Riverine	
	<i>Antrozous pallidus</i>	Pallid Bat	CNDDB: G5S3 IUCN: LR/LC BLM: Sensitive DFG: CSC FS: Sensitive WBW/G: High priority	View	Wide Variety of Habitats	
	<i>Aphastochthonius grubbsi</i>	Grubbs' Cave Pseudoscorpion	CNDDB: G1G2S1S2	View	Cave	
	<i>Apodemus rufa californica</i>	Sierra Nevada Mountain Beaver	CNDDB: G5T3T4S3? IUCN: LR/NT DFG: CSC	View	Jeffrey Pine Montane Riparian Red Fir	
	<i>Aquila chrysaetos</i>	Golden Eagle	CNDDB: G5S3 IUCN: LC BLM: Sensitive CDF: Sensitive DFG: CSC DFG: Fully protected FWS: BCC	View	Wide Variety of Habitats	
	<i>Archoplites interruptus</i>	Sacramento Perch (Within Native Range)	CNDDB: G3S1 DFG: CSC	View	Lacustrine Riverine	

			DFG: CSC		Habitats
✗	<i>Asio flammeus</i>	Short-Eared Owl	CNDDB: G5S3 IUCN: LC Audubon: Watch list DFG: CSC USBC: Watch list	View	Wide Variety of Habitats ▼
✗	<i>Asio otus</i>	Long-Eared Owl	CNDDB: G5S3 IUCN: LC DFG: CSC	View	Wide Variety of Habitats ▼
✗	<i>Athene cunicularia</i>	Burrowing Owl	CNDDB: G4S2 IUCN: LC BLM: Sensitive DFG: CSC FWS: BCC	View	Annual Grassland Coastal Scrub Coastal Terrace Prairie Desert Scrub Perennial Grassland Sagebrush ▼
✗	<i>Atracteloides wawona</i>	Wawona Riffle Beetle	CNDDB: G1G3S1S2	View	Riverine ?
✗	<i>Aythya valisineria</i>	Canvasback	CNDDB: G5S2? IUCN: LC (full species)	View	Estuarine Freshwater Emergent Wetland Lacustrine ?

		<i>Baeolophus inornatus</i>	CNDDB: G5S? IUCN: LC Audubon: Watch list USBC: Watch list	View	View	Blue Oak Woodland Blue Oak-Foothill Pine Mixed Chaparral Montane Riparian Valley-Foothill Riparian	?
		<i>Banksia californica</i>	No common name	CNDDB: GHSH	View	Cave	?
		<i>Banksia galitei</i>	Galle's Cave Harvestman	CNDDB: G1S1	View	Cave	?
		<i>Banksia grubbii</i>	Grubbs' Cave Harvestman	CNDDB: G1S1	View	Cave	?
		<i>Banksia martinorum</i>	Martins' Cave Harvestman	CNDDB: G1S1	View	Cave	?
		<i>Banksia melones</i>	Melones Cave Harvestman	CNDDB: G2G3S2 IUCN: VU/A2c	View	Cave	?
		<i>Banksia rufodolphi</i>	Rudolph's Cave Harvestman	CNDDB: G1S1	View	Cave	?

	✓	Banksula tuolumne	Tuolumne Cave Harvestman	CNDDB: G1S1	View		Cave	?
	✓	Banksula tutankhamen	King Tut Cave Harvestman	CNDDB: G1S1	View		Cave	?
	✓	Batrachoseps campi	Inyo Mountains Slender Salamander	CNDDB: G2S2 IUCN: EN/B1ab(iii,v)+ 2ab (iii,v) BLM: Sensitive DFG: CSC FS: Sensitive	View	View	Low Sage Montane Riparian Riverine Sagebrush Spring	▼
	✓	Batrachoseps diabolicus	Hell Hollow Slender Salamander	CNDDB: G2S2 IUCN: DD	View		Blue Oak- Foothill Pine Mixed Chaparral	?
	✓	Batrachoseps kawia	Sequoia Slender Salamander	CNDDB: G1G2S1S2 IUCN: DD	View		Blue Oak Woodland Montane Hardwood- Conifer	?
	✓	Batrachoseps regius	Kings River Slender Salamander	CNDDB: G1S1 IUCN: VU/D2	View	View	Mixed Chaparral Talus Slope	?
	✓	Batrachoseps relictus (=marisicola)	Relictual Slender Salamander	CNDDB: G2S2 IUCN: DD DFG: CSC	View	View	Montane Hardwood Montane	►

							Conifer Montane Riparian
✚	<i>Batrachoseps robustus</i>	Kern Plateau Salamander	CNDDB: G2S2 IUCN: NT FS: Sensitive	View	Jeffrey Pine Pinyon- Juniper Red Fir Sagebrush	?	
✚	<i>Batrachoseps simatus</i>	Kern Canyon Slender Salamander	CNDDB: G2S2 CA: Threatened IUCN: VU/D2 FS: Sensitive	View	Blue Oak Woodland Blue Oak- Foothill Pine Mixed Chaparral Montane Riparian Talus Slope	►	
✚	<i>Batrachoseps</i> sp. 1	Breckenridge Mountain Slender Salamander	CNDDB: G1QS1 DFG: CSC FS: Sensitive	View	Blue Oak- Foothill Pine Montane Riparian Talus Slope	►	
✚	<i>Batrachoseps stebbinsi</i>	Tehachapi Slender Salamander	CNDDB: G2S2 CA: Threatened IUCN: VU/D2 BLM: Sensitive FS: Sensitive	View	Blue Oak Woodland Blue Oak- Foothill Pine Talus Slope Valley	►	

				Riparian
				Douglas-Fir Klamath Mixed Conifer Ponderosa Pine Red Fir Redwood Valley Foothill Riparian White Fir
		CNDDB: G5S4 IUCN: LC DFG: CSC View		Freshwater Emergent Wetland Saline Emergent Wetland
		<i>Bonasa umbellus</i> Ruffed Grouse	American Bittern View	View
		<i>Botaurus lentiginosus</i>	CNDDB: G4S3 IUCN: LC View	View
		<i>Brachylagus idahoensis</i>	Pygmy Rabbit View	Low Sage Pinyon Juniper Sagebrush
		<i>Branchinecta lynchii</i>	CNDDB: G2G3S2S3 FED: Threatened IUCN: VU/A2c View	Vernal Pool
		<i>Branchinecta mesovalensis</i>	CNDDB: G2S2 View	Vernal Pool

	<i>Bucephala islandica</i>	Barrow's Goldeneye	CNDDB: G5S1 IUCN: LC DFG: CSC	View	View	Estuarine Lacustrine Riverine	?
	<i>Bufo canorus</i>	Yosemite Toad	CNDDB: G1G2S1S2 FED: Candidate IUCN: EN/A2ae DFG: CSC FS: Sensitive	View	View	Lacustrine Lodgepole Pine Riverine Subalpine Conifer Wet Meadow	▼
	<i>Buteo regalis</i>	Ferruginous Hawk	CNDDB: G4S3S4 IUCN: LRnt Audubon: Watch list BLM: Sensitive DFG: CSC FWS: BCC	View	View	Annual Grassland Desert Scrub Perennial Grassland Sagebrush	?
	<i>Buteo swainsoni</i>	Swainson's Hawk	CNDDB: G5S2 CA: Threatened Audubon: Watch list FS: Sensitive FWS: BCC USBC: Watch list	View	View	Annual Grassland Blue Oak Woodland Cropland Pasture Perennial Grassland Valley Oak Woodland Valley-Foothill Riparian	▼

		<i>Gaeclidotea sequoiae</i>	No common name	CNDDDB: G1G2S1S2	View	Cave	?
		<i>Calasellus longus</i>	No common name	CNDDDB: G1G2S1S2	View	Spring	?
		<i>Calicina cloughensis</i>	No common name	CNDDDB: G1S1	View	Cave	?
		<i>Calicina conifera</i>	No common name	CNDDDB: G1S1	View	Sierran Mixed Conifer White Fir	?
		<i>Calicina dimorphica</i>	No common name	CNDDDB: G1S1	View	Annual Grassland Blue Oak-Foothill Pine Valley Oak Woodland	?
		<i>Calicina macula</i>	No common name	CNDDDB: G1G2S1S2?	View	Annual Grassland Blue Oak Woodland Serpentine	?
		<i>Calicina mesaensis</i>	Table Mountain Harvestman	CNDDDB: G1S1	View	Annual Grassland Blue Oak Woodland	?

		<i>Calicina piedra</i>	Piedra Blind Harvestman	CNDDB: G1G2?S1S2?	View	Annual Grassland Blue Oak Woodland	?
		<i>Calypte costae</i>	Costa's Hummingbird	CNDDB: G5S? IUCN: LC Audubon: Watch list FWS: BCC USBC: Watch list	View	Coastal Scrub Desert Riparian Desert Scrub Desert Succulent Shrub Desert Wash Palm Oasis Valley. Foothill Riparian	?
		<i>Capnia lacustris</i>	Lake Tahoe Benthic Stonefly	CNDDB: G1S1	View	Lacustrine	?
		<i>Carduelis lawrencei</i>	Lawrence's Goldfinch	CNDDB: G3G4S3 IUCN: LC Audubon: Watch list FWS: BCC USBC: Watch list	View	Blue Oak Woodland Blue Oak-Foothill Pine Desert Riparian Palm Oasis Pinyon-Juniper	?

		<i>Catostomus fumeiventris</i>	Owens Sucker	CNDDB: G3S3 DFG: CSC	View	View	Lacustrine Riverine	
		<i>Catostomus playtynynchus</i>	Mountain Sucker	CNDDB: G5S2S3 DFG: CSC	View	View	Lacustrine Riverine	
		<i>Calostomus snyderi</i>	Klamath Largesc ale Sucker	CNDDB: G3S2 IUCN: LRnt DFG: CSC	View	View	Lacustrine Riverine Spring	
		<i>Centrocercus urophasianus</i>	Greater Sage-Grouse	CNDDB: G4S3 IUCN: LRNT Audubon: Watch List BLM: Sensitive DFG: CSC FS: Sensitive	View	View	Alkali Desert Scrub Bitterbrush Mesic Meadow Perennial Grassland Sagebrush	
		<i>Ceratopachys gracilis</i>	No common name	CNDDB: G1S1	View		Blue Oak-Foothill Pine Pinyon-Juniper Sagebrush	
		<i>Chaetura vauxi</i>	Vaux's Swift	CNDDB: G5S3 IUCN: LC DFG: CSC	View	View	Douglas Fir Redwood	

			Lacustrine Marine Wet Meadow	
			Wide Variety of Habitats	?
		CNDDB: G5S?	View	
X	<i>Chondestes grammacus</i>			
	Lark Sparrow			
		CNDDB: G5S3 IUCN: LC DFG: CSC	View	▼
X	<i>Circus cyaneus</i>	Northern Harrier	View	
		CNDDB: G5T2S1 CA: Endangered FED: Candidate IUCN: LC (full species) FS: Sensitive FWS: BCC (full species)		
		Western Yellow-Billed Cuckoo	View	?
X	<i>Coccyzus americanus occidentalis</i>			
		CNDDB: G1G2S1S2	View	
		Canary Dusksnail		
✓	<i>Coliogyrus convexus</i>			
		CNDDB: G4S4 IUCN: LR/NT Audubon: Watch list FWS: BCC USBC: Watch list	View	▼
		Olive-Sided Flycatcher	View	
X	<i>Contopus cooperi</i>			

					Red Fir Redwood Sierran Mixed Conifer
	<i>Corynorhinus townsendii</i>	Pale Big-Eared Bat	CNDDDB: G4S2S3 IUCN: VU/A2c BLM: Sensitive DFG: CSC FS: Sensitive WBWG: High priority	View	View Wide Variety of Habitats ?
	<i>Cottus asperimus</i>	Rough Sculpin	CNDDDB: G2S2 CA: Threatened IUCN: VU/D2 DFG: Fully protected	View	View Riverine Spring ▼
	<i>Cottus gulosus</i>	Riffle Sculpin	CNDDDB: G6S7	View	View Riverine ▼
	<i>Cottus klamathensis macrops</i>	Bigeye Marbled Sculpin	CNDDDB: G4T3S3 DFG: CSC	View	View Riverine Spring ▼
	<i>Cryptochia denningi</i>	Denning's Cryptic Caddisfly	CNDDDB: G1G2S1S2	View	View Riverine ?
	<i>Cryptochia excella</i>	Kings Canyon Cryptic Caddisfly	CNDDDB: G1G2S1S2	View	View Spring ?

		<i>Cyprinodon nevadensis</i>	Amargosa Pupfish	CNDDB: G2T1S1 BLM: Sensitive DFG: CSC	View	View	Riverine Spring	
		<i>Cyprinodon radiosus</i>	Owens Pupfish	CNDDB: G1S1 CA: Endangered FED: Endangered IUCN: EN/A2ce DFG: Fully protected	View	View	Riverine Spring	
		<i>Cypseloides niger</i>	Black Swift	CNDDB: G4S2 IUCN: LC Audubon: Watch list DFG: CSC FWS: BCC USBC: Watch list	View	View	Barren Cave	
		<i>Danaus plexippus</i> (overwintering sites)	Monarch Butterfly	CNDDB: G4S3	View		Wide Variety of Habitats	
		<i>Deltistes luxatus</i>	Last River Sucker	CNDDB: G1S1 CA: Endangered FED: Endangered IUCN: EN/B1+2cd DFG: Fully protected	View	View	Lacustrine Riverine	
		<i>Dendragapus obscurus howardi</i>	Mount Pinos Blue Grouse	CNDDB: G5T?S?	View	View	Mesic Meadow Montane	

				Mixed Chaparral Urban Valley Oak Woodland
rodent	✓	Dipodomys heermanni dixoni	Merced Kangaroo Rat	CNDDB: G3G4T2T3S2S3 IUCN: LR/NT View
rodent	✓	Dipodomys panamintinus argusensis	Argus Mountains Kangaroo Rat	CNDDB: G5T1T3S1S3 View
insect	✓	Eccisomyia bilera	King's Creek Ecciosomian Caddisfly	CNDDB: G1G2S1S2 View
bird	✓	Egretta thula	Snowy Egret	CNDDB: G5S4 IUCN: LC USBC: Watch list View
bird	✓	Elanus leucurus	White-Tailed Kite	CNDDB: G5S3 DFG: Fully protected View

			Saline Emergent Wetland Valley Oak Woodland Valley- Foothill Riparian	
			Alkali Desert Scrub Desert Riparian Desert Scrub Joshua Tree Pinyon- Juniper Sagebrush Talus Slope	
		CNDDB: G1G2S1S2 IUCN: VU/D2 BLM: Sensitive DFG: CSC FS: Sensitive	View	
		Panamint Alligator Lizard		
		<i>Elgaria</i> (= <i>gerrotonotus</i>) <i>panamintinus</i>		
		<i>Empidonax traillii</i> <i>brewsteri</i>	Little Willow Flycatcher View	Insufficient Data For Habitat Determination ?
		<i>Empidonax traillii</i> <i>eximus</i>	Southwestern Willow Flycatcher View	Coastal Scrub Valley- Foothill Riparian

		<i>Falco columbarius</i>	Merlin	CNDDB: G5S3 IUCN: LC DFG: CSC	View	View	Wide Variety of Habitats	?
		<i>Falco mexicanus</i>	Prairie Falcon	CNDDB: G5S3 IUCN: LC DFG: CSC FWS: BCC	View	View	Wide Variety of Habitats	▼
		<i>Falco peregrinus anatum</i>	American Peregrine Falcon	CNDDB: G4T3S2 CA: Endangered FED: Delisted IUCN: LC (full species) CDF: Sensitive DFG: Fully protected FS: Sensitive FWS: BCC (full species)	View	View	Wide Variety of Habitats	▲
		<i>Farula praelonga</i>	Long-Tailed Caddisfly	CNDDB: G1G2S1S2	View		Riverine	?
		<i>Fluminicola seminalis</i>	Nugget Pebbleshell	CNDDB: G1S1	View		Lacustrine Riverine	▼
		<i>Gambelia sila</i>	Blunt-Nosed Leopard Lizard	CNDDB: G1S1 CA: Endangered FED: Endangered IUCN: EN/A1ce DFG: Fully protected	View	View	Alkali Desert Scrub Annual Grassland	▼

	<i>Gavia immer</i>	Common Loon	CNDDDB: G5S1 IUCN: LC DFG: CSC	View	View	Estuarine Lacustrine Marine Shoreline	?
	<i>Gila bicolor pectinifer</i>	Lahontan Lake Tui Chub	CNDDDB: G4T3S1S2 DFG: CSC FS: Sensitive	View	View	Lacustrine	▼
	<i>Gila bicolor snyderi</i>	Owens Tui Chub	CNDDDB: G4T1S1 CA: Endangered FED: Endangered	View	View	Lacustrine Riverine Spring	▼
	<i>Gila coerulea</i>	Blue Chub	CNDDDB: G3S2S3 DFG: CSC	View	View	Lacustrine Riverine	▼
	<i>Goeracea oregonae</i>	Sagehen Creek Goeracea Caddisfly	CNDDDB: G2S1S2	View	View	Spring	?
	<i>Goniidea angulata</i>	Western Ridged Mussel	CNDDDB: G3S1S2	View	View	Lacustrine Riverine	▼
	<i>Grus canadensis tabida</i>	Greater Sandhill Crane	CNDDDB: G5T4S2 CA: Threatened IUCN: LC (full species) DFG: Fully protected FS: Sensitive	View	View	Annual Grassland Cropland Freshwater Emergent Wetland	?

			Perennial Grassland Wet Meadow
	<i>Gulo gulo</i>	CNDDDB: G4S2 CA: Threatened IUCN: VU/A2c DFG: Fully protected FS: Sensitive (ssp. Luteus)	View Wide Variety of Habitats ?
	<i>Gymnogyps californianus</i>	CNDDDB: G1S1 CA: Endangered FED: Endangered IUCN: CR/C2(i); D Audubon: Watch list CDF: Sensitive DFG: Fully protected USBC: Watch list	View Wide Variety of Habitats ▼
	<i>Haliaeetus leucocephalus</i>	CNDDDB: G4S2 CA: Endangered FED: Proposed Delisting IUCN: LC CDF: Sensitive DFG: Fully protected	View Wide Variety of Habitats ▼
	<i>Heissooma newberryi</i>	CNDDDB: G1?S1 FS: Sensitive	View Lacustrine Riverine ?

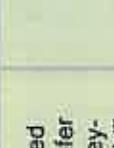
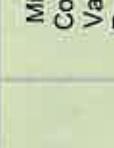
		<i>Helminthoglypta allynsmithi</i>	Merced Canyon Shoulderband Snail	CNDDB: G1S1 IUCN: VU/D2	View	Talus Slope	?
		<i>Helminthoglypta concolor</i>	Whitefir Shoulderband Snail	CNDDB: G1G3S1S3	View	Insufficient Data For Habitat Determination	?
		<i>Hesperia miramae longaevcola</i>	White Mountains Skipper	CNDDB: G2G3T1S1	View	Irrigated Row and Field Crops Pinyon-Juniper Sagebrush Subalpine Conifer	?
		<i>Hesperioides histrionicus</i>	Harlequin Duck	CNDDB: G4S2 IUCN: LC BLM: Sensitive DFG: CSC	View	Marine Riverine Shoreline	▼
		<i>Hydrochara rickseckeri</i>	Ricksecker's Water Scavenger Beetle	CNDDB: G1G2S1S2	View	Lacustrine	?
		<i>Hydromantes brunus</i>	Limestone Salamander	CNDDB: G1S1 CA: Threatened IUCN: VU/D2 DFG: Fully protected	View	Chamise-Redshank Chaparral Limestone	▼

								Hardwood Talus Slope
✚	✚	<i>Hydromantes</i> <i>polycephalus</i>	Mount Lyell Salamander	CNDDB: G3S3 IUCN: LC DFG: CSC	View	View	Baren	►
✚	✚	<i>Hydromantes</i> <i>shastae</i>	Shasta Salamander	CNDDB: G1G2S1S2 CA: Threatened IUCN: VU/D2 FS: Sensitive	View	View	Cave Limestone	►
✚	✚	<i>Hydromantes</i> sp. 1	Owens Valley Web-Toed Salamander (AKA Oak Creek Salamander)	CNDDB: G1QS1 DFG: CSC	View	View	Sagebrush	►
✚	✚	<i>Hydroporus</i> <i>hirsutus</i>	Woolly Hydroporus Diving Beetle	CNDDB: G1G3S1S3	View	View	Lacustrine	?
✚	✚	<i>Hydroporus</i> <i>leechi</i>	Leech's Skyline Diving Beetle	CNDDB: G1?S1?	View	View	Lacustrine	?
✚	✚	<i>Hygrota</i> s <i>fontinalis</i>	Travertine Band-Thigh Diving Beetle	CNDDB: G1S1	View	View	Lacustrine Spring	?
✚	✚	<i>Hystero</i> carpus	Sacramento-	CNDDB: G6T?S?	View	View	Estuarine	►

		Tule Perch				
	<i>Icaricia icarioides albihalos</i>	White Mountains Icaroides Blue Butterfly	CNDDB: G5T2?S2? View		Irrigated Row and Field Crops Montane Riparian Sagebrush Subalpine Conifer ?	
	<i>Icteria virens</i>	Yellow-Breasted Chat	CNDDB: G5S3 IUCN: LC DFG: CSC View		Desert Riparian Montane Riparian Valley-Foothill Riparian ▼	
	<i>Ixobrychus exilis</i>	Least Bittern	CNDDB: G5S1 IUCN: LC DFG: CSC View		Desert Riparian Freshwater Emergent Wetland ▼	
	<i>Juga acutifilosa</i>	Topaz Juga	CNDDB: G2S2 FS: Sensitive View		Lacustrine Riverine ?	
	<i>Juga occata</i>	Scalloped Juga	CNDDB: G1S1 FS: Sensitive View		Riverine Spring ?	
	<i>Lamnaria similis</i>	Klamath River	CNDDB: G3G4QS3S4 View		Lacustrine ▼	

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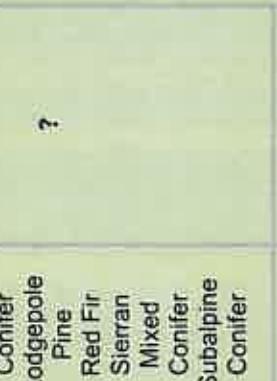
<i>Lampetra</i> <i>tridentata</i>	Pacific Lamprey	CNDDB: G5S?	View	Estuarine Lacustrine Marine Riverine	View
	<i>Lanius</i> <i>luovincianus</i>	Loggerhead Shrike	CNDDB: G4S4 IUCN: LC DFG: CSC FWS: BCC	View	View
	<i>Lanx</i> <i>patelloides</i>	Kneecap Lanx	CNDDB: G1S1	View	Riverine ? View
	<i>Larca</i> <i>laceyi</i>	Lacey's Cave Pseudoscorpion	CNDDB: G1S1	View	Cave ? View
	<i>Larus</i> <i>californicus</i>	California Gull	CNDDB: G5S2 IUCN: LC DFG: CSC	View	Wide Variety of Habitats ? View
	<i>Lasionycteris</i> <i>noctivagans</i>	Silver-Haired Bat	CNDDB: G5S3S4 IUCN: LC WBWG: Medium priority	View	Klamath Mixed Conifer Montane Riparian Pinyon- Juniper Ponderosa Pine ? View

			Mixed Conifer Valley-Foothill Riparian
			Blue Oak-Foothill Pine Jeffrey Pine Montane Hardwood-Conifer Montane Riparian Orchard and Vineyard ?
		<i>Lasiusurus blossevillii</i>	CNDDDB: G5S2S3 FS: Sensitive WBWG: High priority View
		Western Red Bat	CNDDDB: G5S3 IUCN: LC WBWG: Medium priority View
		<i>Lasiusurus cinereus</i>	Klamath Mixed Conifer Montane Riparian Sierran Mixed Conifer ?
			CNDDDB: G5T3S2 DFG: CSC View
		<i>Lavinia symmetricus mirulus</i>	Riverine ▶
		<i>Lavinia symmetricus</i> ssp. 1	CNDDDB: G5T3QS3 DFG: CSC View
			Riverine ▶

	✓	<i>Lavinia symmetricus</i> ssp. 3	Red Hills Roach	CNDDB: G5T1S1 BLM: Sensitive DFG: CSC	View	View	Riverine	▼
	✓	<i>Lepidostoma ermanae</i>	Cold Spring Caddisfly	CNDDB: G1G2S1S2	View	View	Spring	?
	✓	<i>Lepidurus packardi</i>	Vernal Pool Tadpole Shrimp	CNDDB: G2G3S2S3 FED: Endangered IUCN: VU/A2c	View	View	Vernal Pool	?
		<i>Lepus americanus</i> <i>klamathensis</i>	Oregon Snowshoe Hare	CNDDB: G5T3T4S2? IUCN: LC (full species) DFG: CSC	View	View	Eastside Pine Jeffrey Pine Juniper Klamath Mixed Conifer Montane Riparian Ponderosa Pine Sierran Mixed Conifer	?
		<i>Lepus americanus</i> <i>tahoensis</i>	Sierra Nevada Snowshoe Hare	CNDDB: G5T3T4S2? IUCN: LC (full species) DFG: CSC	View	View	Jeffrey Pine Montane Riparian Ponderosa Pine Red Fir Sagebrush	?

			Mixed Conifer White Fir	
	<i>Lepus townsendii</i>	CNDDDB: G5T3S3? IUCN: LC (full species) DFG: CSC View	Alpine-Dwarf Shrub Juniper Low Sage Perennial Grassland Sagebrush Subalpine Conifer Wet Meadow ?	
	<i>Linderiella occidentalis</i>	CNDDDB: G2G3S2S3 IUCN: LRnt View	Vernal Pool ?	
	<i>Lycaena rubida incana</i>	CNDDDB: G5T1S1 View	Insufficient Data For Habitat Determination ?	
	<i>Lynx rufus pallidus</i>	CNDDDB: G5T3?S3? Pallid Bobcat View	Alkali Desert Scrub Eastside Pine Juniper Low Sage Sagebrush ?	

			Mixed Conifer	
♂	<i>Lytta moesta</i>	Moestan Blister Beetle	CNDBB: G2S2 View	Annual Grassland Blue Oak Woodland Chamise-Redshank Chaparral Cropland Orchard and Vineyard Ponderosa Pine Vernal Pool
♂	<i>Lytta molesta</i>	Molestan Blister Beetle	CNDBB: G2S2 View	Annual Grassland Blue Oak Woodland Blue Oak-Foothill Pine Cropland Orchard and Vineyard Valley-Foothill Riparian
✖	<i>Martes americana</i>	Sierra Marten	CNDBB: G5T3T4S3S4 IUCN: LC (full) View	Easidse Pine Jeffrey Pine ?

			FS: Sensitive (full species)		Pine Red Fir Sierran Mixed Conifer Subalpine Conifer
	<i>Martes americana</i>	American Marten	CNDBB: G5S3S4 IUCN: LC FS: Sensitive	View	Eastside Pine Jeffrey Pine Klamath Mixed Conifer Lodgepole Pine Red Fir Sierran Mixed Conifer Subalpine Conifer
	<i>Martes pennanti pacifica</i>	Pacific Fisher	CNDBB: G5T3T4QS2S3 FED: Candidate IUCN: LC (full species) BLM: Sensitive DFG: CSC (full species) FS: Sensitive	View	Wide Variety of Habitats
	<i>Megaleuctra sierra</i>	Shirtail Creek Stonefly	CNDBB: G1?QS1?	View	Riverine

		<i>Megomphix californicus</i>	Natural Bridge Megomphix	CNDDB: G1G2S1S2 View	Douglas-Fir Klamath Mixed Conifer Spring ?
		<i>Melanerpes lewis</i>	Lewis' Woodpecker	CNDDB: G4S? IUCN: LC Audubon: Watch list FWS: BCC View	Wide Variety of Habitats ?
		<i>Microtus californicus vallicola</i>	Owens Valley Vole	CNDDB: G5T1S1 IUCN: LRnt DFG: CSC View	Freshwater Emergent Wetland Montane Riparian ?
		<i>Monadenia churchi</i>	Klamath Sideband	CNDDB: G2S2 View	Blue Oak-Foothill Pine Montane Hardwood Ponderosa Pine Talus Slope ?
		<i>Monadenia circumcarinata</i>	Keeled Sideband	CNDDB: G1S1 IUCN: VU/D2 BLM: Sensitive View	Blue Oak-Foothill Pine Limestone Talus Slope ?
		<i>Monadenia marmoratum</i>	Button's Sierra	CNDDB: G1G2T1S1 IUCN: DD View	Insufficient Data For ?

				Determination
✓	<i>Monadenia mormonum hirsuta</i>	Hirsute Sierra Sideband	CNDDB: G1G2T1S1 IUCN: DD BLM: Sensitive	View Blue Oak-Foothill Pine ?
✓	<i>Monadenia troglodytes</i>	Shasta Sideband	CNDDB: G1G2S1S2 IUCN: DD FS: Sensitive	View Limestone Talus Slope ?
✓	<i>Monadenia tuolumneana</i>	Tuolumne Sideband Snail	CNDDB: G1S1	View Limestone Talus Slope ?
✓	<i>Monadenia yosemitensis</i>	Yosemite Mariposa Sideband	CNDDB: G1S1	View Talus Slope ?
✗	<i>Myiarchus tyrannulus</i>	Brown-Crested Flycatcher	CNDDB: G5S2S3 IUCN: LC DFG: CSC	View Desert Riparian ?
✗	<i>Mylopharodon conocephalus</i>	Hardhead	CNDDB: G3S3 DFG: CSC FS: Sensitive	View Riverine ▼
✗	<i>Myotis ciliolabrum</i>	Small-Footed Myotis	CNDDB: G5S2S3 IUCN: LC BLM: Sensitive	View Wide Variety of Habitats ?

		priority			
	<i>Myotis evotis</i>	Long-Eared Myotis	CNDDB: G5S4? IUCN: LC BLM: Sensitive WBWG: Medium priority	View	View Wide Variety of Habitats ?
	<i>Myotis thysanodes</i>	Fringed Myotis	CNDDB: G4G5S4 IUCN: LC BLM: Sensitive WBWG: High priority	View	View Wide Variety of Habitats ?
	<i>Myotis volans</i>	Long-Legged Myotis	CNDDB: G5S4? IUCN: LC WBWG: High priority	View	View Wide Variety of Habitats ?
	<i>Myotis yumanensis</i>	Yuma Myotis	CNDDB: G5S4? IUCN: LC BLM: Sensitive WBWG: Low-med priority	View	View Wide Variety of Habitats ?
	<i>Nebria darlingtoni</i>	South Forks Ground Beetle	CNDDB: G1S1	View	Ponderosa Pine Sierran Mixed Conifer ?

	<i>Neothremma genella</i>	Golden-Horned Caddisfly	CNDDDB: G17S1?	View	Riverine	?
	<i>Numenius americanus</i>	Long-Billed Curlew	CNDDDB: G5S2 IUCN: LR/NT Audubon: Watch list DFG: CSC FWS: BCC USBC: Watch list	View	Annual Grassland Cropland Estuarine Pasture Perennial Grassland Saline Emergent Wetland Wet Meadow	?
	<i>Nycticorax nycticorax</i>	Black-Crowned Night Heron	CNDDDB: G5S3 IUCN: LC BLM: Sensitive	View	Freshwater Emergent Wetland Saline Emergent Wetland Shoreline	?
	<i>Ochetona princeps sheldoni</i>	White Mountains Pika	CNDDDB: G5T1T2S1S2	View	Alpine-Dwarf Shrub Sagebrush Talus Slope	?
	<i>Oncorhynchus clarkii henshawii</i>	Lahontan Cutthroat Trout	CNDDDB: G4T3S2 FED: Threatened	View	Lacustrine Riverine	▼

	✓	<i>Oncorhynchus clarkii seleniris</i>	Pauite Cutthroat Trout	CNDDB: G4T1T2S1S2 FED: Threatened	View	View	Estuarine Lacustrine Marine Riverine	▼
	✓	<i>Oncorhynchus mykiss aguabonita</i>	Volcano Creek Golden Trout	CNDDB: G5T1S1 DFG: CSC FS: Sensitive	View	View	Lacustrine Riverine	▼
	✓	<i>Oncorhynchus mykiss gilberti</i>	Kern River Rainbow Trout	CNDDB: G5T1T2QS1S2 DFG: CSC	View	View	Riverine	▼
	✓	<i>Oncorhynchus mykiss ssp. 2</i>	McCloud River Redband Trout	CNDDB: G5T1T2QS1S2 DFG: CSC FS: Sensitive	View	View	Riverine Spring	▼
	✓	<i>Oncorhynchus mykiss whiteri</i>	Little Kern Golden Trout	CNDDB: G5T2QS2 FED: Threatened	View	View	Riverine	▼
		<i>Oncorhynchus tshawytscha</i>	Spring-Run Chinook Salmon	CNDDB: G5S1 CA: Threatened FED: Threatened	View	View	Estuarine Marine Riverine	▼
	✓	<i>Oryzomys torridus tularensis</i>	Tulare Grasshopper Mouse	CNDDB: G5T1T2S1S2 IUCN: DD BLM: Sensitive	View	View	Alkali Desert Scrub Coastal	?

		Dry Creek Cliff Sinder Bug	CNDDDB: G1S1 View	Riverine ?
		Gold Rush Hanging Scorpionfly	CNDDDB: G1S1 View	Ponderosa Pine Sierran Mixed Conifer ?
		Otus flammeolus	CNDDDB: G4S? IUCN: LC Audubon: Watch list FWS: BCC USBC: Watch list View	Douglas-Fir Jeffrey Pine Ponderosa Pine Red Fir ?
		Ovis canadensis californiana	CNDDDB: G4T1S1 CA: Endangered FED: Endangered IUCN: LRcd DFG: Fully protected View	Wide Variety of Habitats ▼
		Ovis canadensis nelsoni	CNDDDB: G4T4S3 IUCN: LRcd BLM: Sensitive FS: Sensitive View	Wide Variety of Habitats ?
		Pacifastacus fortis	CNDDDB: G5T5S3 View	Riverine ▼

	<i>Pandion haliaetus</i>	Osprey	CNDDB: G5S3 IUCN: LC CDF: Sensitive DFG: CSC	View	View	Wide Variety of Habitats	?
	<i>Parapsyche extensa</i>	King's Creek Parasyche Caddisfly	CNDDB: GHSH	View	View	Riverine	?
	<i>Parnopes boregoensis</i>	No common name	CNDDB: G1?S1?	View	View	Insufficient Data For Habitat Determination	?
	<i>Pelecanus erythrorhynchos</i>	American White Pelican	CNDDB: G3S1 IUCN: LC DFG: CSC	View	View	Estuarine Lacustrine Shoreline	▼
	<i>Perognathus afficulus inexpectatus</i>	Tehachapi Pocket Mouse	CNDDB: G1G2T1T2S1S2 IUCN: LRnt DFG: CSC (full species) FS: Sensitive	View	View	Annual Grassland Desert Scrub Juniper Mixed Chaparral Pinyon-Juniper Sagebrush	?
	<i>Perognathus inornatus inornatus</i>	San Joaquin Pocket Mouse	CNDDB: G4T2T3S2S3 IUCN: LC (full	View	View	Alkali Desert Scrub	?

			BLM: Sensitive		Grassland Chamise- Redshank Chaparral Coastal Scrub Desert Scrub	
			CNDBB: G5T1S1	View	Insufficient Data For Habitat Determination	?
✔	<i>Perognathus longimembris tularensis</i>	No common name	CNDBB: G5T2T3S1S2	View	Desert Scrub Sagebrush	?
✔	<i>Perognathus parvus xanthodonotus</i>	Yellow-Eared Pocket Mouse	BLM: Sensitive	View		
✔	<i>Phalacrocorax auritus</i>	Double- Crested Cormorant	CNDBB: G5S3 IUCN: LC DFG: CSC	View	Barren, Freshwater Emergent Wetland Lacustrine Offshore Rocks Riverine Saline Emergent Wetland Shoreline	?
✔	<i>Philoptera speciosa</i>	Bohart's Blue Butterfly	CNDBB: G3T1S1	View	Mixed Chaparral	?

				Hardwood
	<i>Phrynosoma coronatum (blainvillii)</i>	Coast (San Diego) Horned Lizard	CNDDB: G4 T3T4S2S3 DFG: CSC FS: Sensitive	View View ?
	<i>Phrynosoma coronatum (frontale)</i>	Coast (California) Horned Lizard	CNDDB: G4 T3T4S3S4 BLM: Sensitive DFG: CSC	View View ?
	<i>Picoides albolarvatus</i>	White-Headed Woodpecker	CNDDB: G4S? IUCN: LC Audubon: Watch list FWS: BCC USBC: Watch list	View View ?
	<i>Picoides nuttalli</i>	Nuttall's Woodpecker	CNDDB: G5S? IUCN: LC Audubon: Watch list USBC: Watch list	View View ?

			Woodland Valley- Foothill Riparian	
			Desert Riparian	▼
		CNDDB: G5S2 IUCN: LC DFG: CSC	View	
		<i>Piranga rubra</i> Summer Tanager		
		<i>Plebejus saepiolus</i> <i>albamontanus</i> White Mountains Saepiolus Blue Butterfly	CNDDB: G5T2S1S2 View	Alpine-Dwarf Shrub Montane Riparian Pinyon-Juniper Sagebrush Subalpine Conifer ?
		<i>Plegadis chihi</i> White-Faced Ibis	CNDDB: G5S1 IUCN: LC DFG: CSC View	Freshwater Emergent Wetland Irrigated Row and Field Crops Lacustrine Pasture Wet Meadow ?
		<i>Foecile atricapillus</i> Black-Capped Chickadee	CNDDB: G5S3 IUCN: LC DFG: CSC View	Montane Riparian ?

	<i>Progne subis</i>	Purple Martin	CNDDB: G5S3 IUCN: LC DFG: CSC	View	View	Wide Variety of Habitats	▼
	<i>Prosopium williamsoni</i>	Mountain Whitefish	CNDDB: G5S7	View	View	Lacustrine Riverine	▼
	✓ <i>Pseudogarypus ophreus</i>	Music Hall Cave Pseudoscorpion	CNDDB: G1S1	View	View	Cave	?
	✓ <i>Punctum hawaii</i>	Trinity Spot	CNDDB: G1S1	View	View	Freshwater Emergent Wetland Spring	?
	✓ <i>Pyrgulopsis aardahli</i>	Benton Valley Springsnail	CNDDB: G1S1	View	View	Spring	?
	<i>Pyrgulopsis archimedis</i>	Archimedes Pyrg	CNDDB: G1S1	View	View	Spring	?
	✓ <i>Pyrgulopsis eremica</i>	Smoke Creek Pyrg	CNDDB: G2S2	View	View	Riverine Spring	?
	<i>Pyrgulopsis owensensis</i>	Owens Valley Springsnail	CNDDB: G1G2S1S2 FS: Sensitive	View	View	Spring	?
	✓ <i>Pyrgulopsis perturbata</i>	Fish Slough Springsnail	CNDDB: G1G2S1S2	View	View	Spring	?

		<i>Pyrgulopsis rupinicola</i>	Sucker Springs Pyrg	CNDDB: G1S1 View		Spring ▼
		<i>Pyrgulopsis wongi</i>	Wong's Springsnail	CNDDB: G1G2S1S2 FS: Sensitive View	Riverine Spring	?
		<i>Pyrocephalus rubinus</i>	Vermilion Flycatcher	CNDDB: G5S2S3 IUCN: LC DFG: CSC View	Desert Riparian View	▼
		<i>Rana aurora draytonii</i>	California Red-Legged Frog	CNDDB: G4T2T3S2S3 FED: Threatened IUCN: LR/NT DFG: CSC View	Freshwater Emergent Wetland Lacustrine Riverine Shoreline Valley- Foothill Riparian Wet Meadow View	▼
		<i>Rana boylii</i>	Foothill Yellow- Legged Frog	CNDDB: G3S2S3 IUCN: LR/NT BLM: Sensitive DFG: CSC FS: Sensitive View	Riverine Shoreline View	?
		<i>Rana cascadae</i>	Cascades Frog	CNDDB: G3G4S3 IUCN: LR/NT DFG: CSC FS: Sensitive View	Lacustrine Montane Riparian Riverine View	?

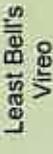
	<i>Riparia riparia</i>	Bank Swallow	CNDDB: G5S2S3 CA: Threatened IUCN: LC	View	View	Valley-Foothill Riparian	
	<i>Sauromalus obesus</i>	Chuckwalla	CNDDB: G5S4	View	View	Barren Desert Scrub	
	<i>Sceloporus graciosus</i>	Northern Sagebrush Lizard	CNDDB: G6T5S3 BLM: Sensitive	View	View	Desert Scrub Sagebrush	
	<i>Selasphorus rufus</i>	Rufous Hummingbird	CNDDB: G5S1S2 IUCN: LC Audubon: Watch list USBC: Watch list	View	View	Wide Variety of Habitats	
	<i>Sorex lyelli</i>	Mount Lyell Shrew	CNDDB: G2G3S2S3 IUCN: LC DFG: CSC	View	View	Montane Riparian Sagebrush	
	<i>Spea hammondi</i> (= <i>Scaphiopus hammondi</i>)	Western Spadefoot	CNDDB: G3S3 IUCN: LR/NT BLM: Sensitive DFG: CSC	View	View	Annual Grassland Blue Oak-Foothill Pine Coastal Scrub Freshwater Emergent Wetland Mixed	

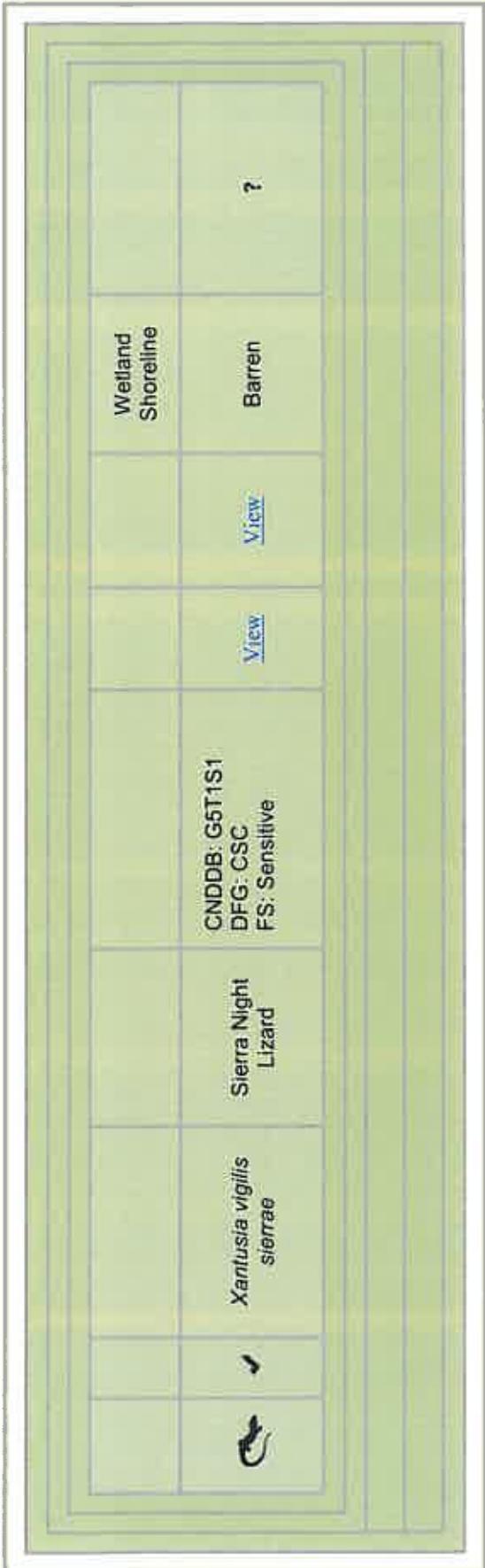
		Riverine Vernal Pool	
		Mohave Ground Squirrel	CNDDB: G2G3S2S3 CA: Threatened IUCN: VU/B1+3d View
		Carson Valley Silverspot Butterfly	CNDDB: G3T1S1 View
		Sphyrapicus ruber	Red-Breasted Sapsucker CNDDB: G5S?
		Spizella atrogularis	Black- Chinned Sparrow CNDDB: G5S3 IUCN: LC Audubon: Watch list FWS: BCC USBC: Watch list View
		Spizella breweri	Brewer's Sparrow CNDDB: G5S3 IUCN: LR/NT Audubon: Watch list FWS: BCC USBC: Watch list View
			Alkali Desert Scrub Desert Scrub Wet Meadow Wide Variety of Habitats Chamise- Redshank Chaparral Juniper Mixed Chaparral Pinyon- Juniper Sagebrush Desert Scrub Pinyon- Juniper Sagebrush ?

	<i>Spizella passerina</i>	Chipping Sparrow	CNDDB: G5S3S4 IUCN: LC	View	View	Wide Variety of Habitats	?
	<i>Sterna caspia</i>	Caspian Tern	CNDDB: G5S4 IUCN: LC FWS: BCC	View	View	Estuarine Freshwater Emergent Wetland Lacustrine Marine Riverine Saline Emergent Wetland Shoreline	?
	<i>Sterna forsteri</i>	Forster's Tern	CNDDB: G5S4 IUCN: LC	View	View	Estuarine Freshwater Emergent Wetland Lacustrine Marine Riverine Saline Emergent Wetland Shoreline	?
	<i>Strix nebulosa</i>	Great Gray Owl	CNDDB: G5S1 CA: Endangered IUCN: LC CDF: Sensitive FS: Sensitive	View	View	Lodgepole Pine Red Fir Sierran Mixed Conifer Wat Meadow	?

	<i>Strix occidentalis caurina</i>	CNDDB: G3T3S2S3 FED: Threatened IUCN: LR/NT (full species) Audubon: Watch list (full species) CDF: Sensitive USBC: Watch list (full species)	View	Klamath Mixed Conifer Redwood	?
▼	<i>Northern Spotted Owl</i>	CNDDB: G3T3S3 IUCN: LR/NT (full species) Audubon: Watch list (full species) BLM: Sensitive DFG: CSC FS: Sensitive FWS: BCC USBC: Watch list (full species)	View	Douglas-Fir Klamath Mixed Conifer Ponderosa Pine Sierra Mixed Conifer White Fir	►
▼	<i>Strix occidentalis occidentalis</i>	California Spotted Owl	View		
▼	<i>Stygobromus gradyi</i>	Grady's Cave Amphipod	View	Cave	?
▼	<i>Stygobromus harai</i>	Hara's Cave Amphipod	View	Cave	?
▼	<i>Stygobromus wengerorum</i>	Wengerors' Cave Amphipod	View	Cave	?

		<i>Talanites moodyae</i>	Moody's Gnaphosid Spider	CNDDB: G1G2S1S2	View		Annual Grassland Serpentine	?
		<i>Tamias speciosus speciosus</i>	Lodgepole Chipmunk	CNDDB: G4T2T3S2S3 IUCN: LC (full species)	View	View	Jeffrey Pine Lodgepole Pine Red Fir White Fir	?
		<i>Taxidea taxus</i>	American Badger	CNDDB: G5S4 IUCN: LC DFG: CSC	View	View	Wide Variety of Habitats	?
		<i>Tetrix sierrana</i>	Sierra Pygmy Grasshopper	CNDDB: G1G2S1S2 IUCN: VU/D2	View		Ponderosa Pine Sierran Mixed Conifer	?
		<i>Thomomys bottae operarius</i>	Owens Lake Pocket Gopher	CNDDB: G5T1?S1?	View	View	Insufficient Data For Habitat Determination	?
		<i>Toxostoma bendirei</i>	Bendire's Thrasher	CNDDB: G4G5S3 IUCN: VU/A2bc+3bc Audubon: Watch list BLM: Sensitive DFG: CSC FWS: BCC USBC: Watch list	View	View	Desert Succulent Shrub Joshua Tree	▼

					
<i>Vireo bellii pusillus</i>	<i>Vireo bellii pusillus</i>	<i>Vireo vicinior</i>	<i>Vireo vicinior</i>	<i>Vulpes macrotis maculica</i>	<i>Vulpes vulpes necator</i>
View	View	View	View	View	View
CNDDB: G5T2S2 CA: Endangered FED: Endangered IUCN: LR/NT (full species) Audubon: Watch list (full species) FWS: BCC (full species) USBC: Watch list (full species)	CNDDB: G4S2 IUCN: LC Audubon: Watch list BLM: Sensitive DFG: CSC FWS: BCC USBC: Watch list	CNDDB: G4T2T3S2S3 CA: Threatened FED: Endangered	CNDDB: G5T3S1 CA: Threatened FS: Sensitive	CNDDB: G5S3S4 IUCN: LC	CNDDB: G5T2S2 CA: Endangered FED: Endangered IUCN: LR/NT (full species) Audubon: Watch list (full species) FWS: BCC (full species) USBC: Watch list (full species)
View	View	View	View	View	View
<i>Valley-Foothill Riparian</i>	<i>Chamise-Redshank Chaparral Juniper Pinyon-Juniper</i>	<i>Wide Variety of Habitats</i>	<i>Wide Variety of Habitats</i>	<i>Cropland Freshwater</i>	<i>?</i>



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TABLE 4.0-1: MITIGATION MONITORING AND REPORTING PROGRAM

ENVIRONMENTAL IMPACT ^a	MITIGATION MEASURE	MONITORING RESPONSIBILITY	TIMING	VERIFICATION (DATE/INITIALS)
AIR QUALITY	<p>Mitigation Measure 3.1-1: The implementing agency for any construction activities, including dismantling/demolition of structures, processing/moving materials (sand, gravel, rock, dirt, etc.), or operation of machines/equipment, shall prepare a dust control plan in accordance with NSAQMD Rule 226. The dust control plan shall use reasonable precautions to prevent dust emissions, which may include: cessation of operations at times, cleanup, sweeping, sprinkling, compacting, enclosure, chemical or asphalt sealing, and use of wind screens or snow fences.</p>	<p>Implementing Agency</p>	<p>Prior to Design Approval</p>	
Impact 3.1-2: Short-term - Conflict with, or Obstruct, the Applicable Air Quality Plan, Cause a Violation of Air Quality Standards, Contribute Substantially to an Existing Air Quality Violation, or Result in a Cumulatively Considerable Net Increase of a Pollutant in a Non-Attainment Area (less than significant with mitigation)	<p>Mitigation Measure 3.1-1: The implementing agency for any construction activities, including dismantling/demolition of structures, processing/moving materials (sand, gravel, rock, dirt, etc.), or operation of machines/equipment, shall prepare a dust control plan in accordance with NSAQMD Rule 226. The dust control plan shall use reasonable precautions to prevent dust emissions, which may include: cessation of operations at times, cleanup, sweeping, sprinkling, compacting, enclosure, chemical or asphalt sealing, and use of wind screens or snow fences.</p>	<p>Implementing Agency</p>	<p>Prior to Design Approval</p>	
Impact 3.1-3: Occasional Localized Carbon Monoxide Concentrations from Traffic Conditions at Some Locations (less than significant with mitigation)	<p>Mitigation Measure 3.1-2: The implementing agency shall screen individual RTP projects at the time of design for localized CO hotspot concentrations and, if necessary, incorporate project-specific measures into the project design to reduce or alleviate CO hotspot concentrations.</p>	<p>Implementing Agency</p>	<p>Prior to Design Approval</p>	
Impact 3.1-5: Potential to release asbestos from earth movement or structural asbestos from demolition/renovation of	<p>Mitigation Measure 3.1-3: Prior to construction of RTP projects, the implementing agency should assess the site for the presence of asbestos including asbestos from structures such as road base, bridges, and other structures. In the event that asbestos is present, the implementing agency should comply with applicable state and local regulations regarding asbestos, including ARB's asbestos airborne toxic control</p>	<p>Implementing Agency</p>	<p>Prior to Design Approval</p>	

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ENVIRONMENTAL IMPACT	MITIGATION MEASURE	MONITORING RESPONSIBILITY	TIMING	VERIFICATION (DATE/INITIALS)
existing structures (less than significant with mitigation)	<p>measure (ATCM) (Title 17, CCR § 93105 and 93106), to ensure that exposure to construction workers and the public is reduced to an acceptable level. This may include the preparation of an Asbestos Hazard Dust Mitigation Plan to be implemented during construction activities.</p>			
	<p>GREENHOUSE GASES AND CLIMATE CHANGE</p> <p>Impact 3.2.1: Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment (cumulatively considerable and significant unavoidable)</p>	<p><i>Mitigation Measure 3.2-1: The NCTC should pursue planning grants and/or other funds for the development of a Regional Blueprint and Sustainable Communities Strategy (SCS) for the region. The NCTC should facilitate this regional transportation and land use planning effort, but it should be a coordinated effort involving each local land use authority actively involved in its development.</i></p> <p><i>Mitigation Measure 3.2-2: The NCTC should explore the feasibility of a transportation pricing policy for the transit system and selected portions of the road network to encourage people to drive less and increase use of transit, walking and bicycling modes. Such a policy may include free or reduced transit fares during high pollution days; fare-free zones on the transit system; transit vouchers; days on which transit is free; congestion pricing options for portions of the road system, such as tolls on freeways and highways; and parking fees to park in certain high-traffic areas served by public transit.</i></p> <p><i>Mitigation Measure 3.2-3: The NCTC should consider incorporating a complete streets policy with a strong focus on identifying opportunities to create more active transportation within the region (i.e. bike and pedestrian facilities).</i></p> <p><i>Mitigation Measure 3.2-4: Consistent with Appendix F of the CEQA Guidelines, the agencies implementing RTP projects should:</i></p> <ul style="list-style-type: none"> • Promote measures to reduce wasteful, inefficient and unnecessary consumption of energy during construction, operation, maintenance and/or removal. As the individual RTP projects are designed there should be an explanation as to why certain measures were incorporated in the RTP project and why other measures were dismissed. • Site, orient, and design projects to minimize energy consumption, increase water conservation and reduce solid-waste. 	NCTC	Ongoing

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ENVIRONMENTAL IMPACT	MITIGATION MEASURE	MONITORING RESPONSIBILITY	TIMING	VERIFICATION (DATE/INITIALS)*
	<ul style="list-style-type: none"> • Promote efforts to reduce peak energy demand in the design and operation of RTP projects. • Promote the use of alternate fuels (particularly renewable ones) or energy systems for RTP projects. • Promote efforts to recycle materials used in the construction (including demolition phase) of RTP projects. <p>Mitigation Measure 3.2-5: The NCTC should coordinate with local and regional agencies to assist in efforts to develop local and regional CAPs (Climate Action Plans) that address climate change and greenhouse gas emissions. Local and regional CAPs should include the following components:</p> <ul style="list-style-type: none"> • Baseline inventory of GHG emissions from community and municipal sources. • A target reduction goal consistent with AB 32. • Policies and measures to reduce GHG emissions. • Quantification of the effectiveness of the proposed policies and measures. • A monitoring program to track the effectiveness and implementation of the CAP(s). <p>NCTC's role in the development of local and regional CAPs should include:</p> <ul style="list-style-type: none"> • Assistance in seeking and securing funding for the development of local and regional CAPs. • Collaboration with local and regional agencies throughout their respective planning processes. <p>Mitigation Measure 3.2-6: NCTC should assist local agencies with the development of an Alternative Fuel Vehicle and Infrastructure Policy. The policy should include provisions that address best practices, and standards related to saving energy and reducing GHG emissions through AFV use, including:</p> <ul style="list-style-type: none"> • A procurement policy for using AFV by franchisees of these cities, such as trash haulers, green waste haulers, street sweepers, and curbside recyclable 			

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ENVIRONMENTAL IMPACT	MITIGATION MEASURE	MONITORING RESPONSIBILITY	TIMING	VERIFICATION (DATE/INITIALS)
<p>haulers. Such AFVs should have GHG emissions at least 10 percent lower than comparable gasoline- or diesel-powered vehicles.</p> <ul style="list-style-type: none"> • A fleet purchase policy to increase the number of AFVs (i.e., vehicles not powered strictly by gasoline or diesel fuel) for municipally owned fleets. • A public education policy to encourage the use of alternative fuel vehicles and development of supporting infrastructure. 				
TRANSPORTATION AND CIRCULATION	<p><i>Mitigation Measure 3.3.1: The implementing agencies shall develop a traffic control plan for construction projects to reduce the effects of construction on the roadway system throughout the construction period. As part of the traffic control plan for individual projects, project proponents shall coordinate with emergency service providers to ensure that emergency routes are identified and remain available during construction activities.</i></p>	Implementing Agency	Prior to Design Approval	

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