

12.0 Index

A

access, emergency 3.2-9, 3.2-10, 3.2-65 through 3.2-70, 3.2-147, 3.11-7

accident(s) S-7, S-12, S-21, 1-5, 1-15, 1-18, 2-16, 3.6-45, 3.10-1, 3.10-7, 3.10-29, 3.10-30, 3.10-33, 3.10-35, 3.10-36, 3.10-39, 3.11-2 through 3.11-4, 3.11-7, 3.11-17 through 3.11-19, 3.11-24 through 3.11-28, 3.11-31, d3.11-34, 3.11-37, 3.11-38, 3.11-40, 3.11-41, 3.11-44, 3.11-45, 3.11-54, 3.12-98, 3.19-32

Alquist-Priolo Earthquake Fault Zoning Act 3.9-2

American Recovery and Reinvestment Act (ARRA) 1-3, 2-108, 2-110, 6-1

Americans with Disabilities Act (ADA) 1-27, 2-6, 3.11-19, 3.12-1, 7-14, 7-43

Amtrak S-5, S-24, S-27, S-28, S-43 through S-46, S-75, 1-14, 1-17, 1-19, 1-23, 1-25, 1-27, 1-32, 1-33, 2-23, 2-28, 2-29, 2-50 through 2-53, 2-77, 3.2-36, 3.2-42, 3.2-48, 3.2-63, 3.2-64, 3.2-71, 3.3-64, 3.4-13, 3.4-26, 3.4-29, 3.11-17, 3.11-18, 3.12-64, 3.12-68, 3.12-75, 3.12-120, 3.12-121, 3.13-12, 3.13-29, 3.13-33, 3.15-15, 3.15-19, 3.15-21, 3.15-23, 3.15-24, 3.15-26, 3.15-28, 3.15-32, 3.15-41, 3.15-43 through 3.15-49, 3.15-51, 3.16-12, 3.16-41, 3.16-78, 3.16-99, 3.16-101, 3.16-112, 3.16-125, 3.17-44, 3.17-121, 3.19-14, 4-9, 4-14, 7-10, 7-15, 7-17, 8-12

Allensworth Ecological Reserve S-20, S-21, S-24, S-26, S-29, S-39, S-40, S-65, S-72, 2-26, 2-67, 2-114, 3.7-15, 3.7-35, 3.7-36, 3.7-42, 3.7-75, 3.7-78, 3.7-80, 3.7-82, 3.7-84, 3.7-86, 3.7-88, 3.7-90, 3.7-92, 3.7-133, 3.7-135, 3.7-137, 3.7-139, 3.7-141, 3.7-143, 3.7-145, 3.7-147, 3.7-150, 3.7-160, 3.7-179, 3.7-192, 3.7-204, 3.13-20, 3.13-43, 3.15-13, 3.15-18, 3.15-22, 3.15-25, 3.15-27, 3.15-29, 3.15-33, 3.15-34, 3.15-37, 3.15-40, 3.15-41, 3.15-43, 3.15-47, 3.15-50, 4-7, 4-11, 4-13, 4-14, 4-32, 4-34, 4-35, 4-49, 4-53, 7-5

attainment S-17, S-50, 3.3-1, 3.3-2, 3.3-10, 3.3-31, 3.3-37, 3.3-38, 3.3-41, 3.3-42, 3.3-46, 3.3-53 through 3.3-55, 3.3-77, 3.3-81, 3.3-85, 3.12-37, 3.19-9, 3.19-12

B

Bakersfield station S-8, S-9, 1-1, 2-18, 2-29, 2-35, 2-76, 3.2-50, 3.2-71, 3.2-141, 3.2-147, 3.3-19, 3.3-28, 3.3-50, 3.3-66, 3.3-71 through 3.3-73, 3.3-76, 3.3-82, 3.3-84, 3.3-85, 3.4-25, 3.6-61, 3.6-62, 3.8-1, 3.8-42, 3.8-53, 3.8-56, 3.12-12, 3.12-63, 3.12-92, 3.12-122, 3.12-124, 3.13-19, 3.13-44, 3.13-56, 3.14-10, 3.17-94, 3.19-19, 4-8, 4-9, 4-11, 6-4

BNSF Railway Summary multiple, 1-13, 1-14, 1-28, 2-3, 2-18, 2-22, 2-23, 2-25, 2-26, 2-28, 2-29, 42, 43, 44, 2-52, 2-53, 2-60, 2-63 through 2-68, 2-78, 2-91, 2-93, 2-94, 3.2-17, 3.2-42, 3.2-63, 3.2-73, 3.2-75, 3.2-77, 3.4-17, 3.4-32, 3.4-73, 3.5-13, 3.5-21, 3.7-17, 3.7-18, 3.7-65, 3.7-83, 3.7-87, 3.7-101, 3.7-116, 3.7-144, 3.7-194, 3.8-28, 3.8-48, 3.8-51, 3.8-63, 3.8-70, 3.10-13, 3.10-24, 3.10-28, 3.11-16, 3.11-17, 3.11-22, 3.11-29, 3.11-30, 3.11-36, Section 3.12 multiple, 3.13-35, 3.13-37, 3.13-41, 3.13-42, 3.13-43, 3.13-48, 3.14-12, 3.14-42, 3.14-55, Section 3.16 multiple, 3.17-13, 3.17-40, 3.19-14, 3.19-26, 3.19-32, 3.19-37, Chapter 4.0 multiple, 6-2,

C

CAA (see Clean Air Act)

California tiger salamander S-55, S-58, S-59, S-61, S-63, S-64, Section 3.7 multiple

Clean Air Act (CAA) 1-19, 1-20, 2-23, 3.3-1 through 3.3-3, 3.3-6, 3.3-12, 3.3-20, 3.3-74, 3.3-78, 3.3-79, 3.10-2, 3.18-3

Clean Water Act (CWA) S-30, 1-3, 1-4, 2-1, 2-17, 2-110, 2-114, 2-115, Section 3.7 multiple, 3.8-1, through 3.8-3, 3.8-5, 3.8-9, 3.8-26, 3.8-27, 3.10-2, 3.10-3, 3.19-24, 6-2, 7-9

Cole Slough 2-58, 2-63, 3.7-29, 3.7-57, 3.7-75, 3.7-109, 3.7-129, 3.8-17, 3.8-28, 3.8-29, 3.8-34, 3.8-35, 3.8-54, 3.8-63, 3.9-23

Colonel Allensworth State Historic Park S-9, S-24, S-26, S-29, S-43, S-44, S-72, S-73, S-77, 2-67, 3.7-15, 3.7-35, 3.7-160, 3.12-64, 3.12-68, 3.12-112, 3.12-114, 3.13-20, 3.13-43, 3.15-3, 3.15-7, 3.15-13, 3.15-18, 3.15-22, 3.15-25, 3.15-27, 3.15-29, 3.15-33, 3.15-34, 3.15-36, 3.15-40, 3.15-43, 3.15-46 through 3.15-50, 3.16-12, 3.16-13, 3.16-22, 3.16-34, 3.16-35, 3.16-36, 3.16-56, 3.16-60, 3.16-67, 3.16-73, 3.16-77, 3.16-89, 3.16-103, 3.16-104, 3.16-124, 3.16-126, 3.16-148, 3.16-151, 3.17-6, 3.17-6, 3.17-21, 3.17-31, 3.17-46, 3.17-75, 3.19-42, 4-7, 4-11, 4-13, 4-14, 4-29, 4-31, 4-32, 4-33, 4-46, 4-53, 4-68, 4-69, 6-3, 7-5, 7-29

conformity S-30, 2-114, Section 3.3 multiple, 3.5-17, 3.19-11, 3.19-12

congestion S-5 through S-7, S-13, S-16, S-17, S-23, 1-5, 1-10, 1-12, 1-13, 1-17, 1-18, 1-23, 1-25, 1-28, 2-40, 2-52, 2-76, 2-105, 2-106, 3.1-7, Section 3.2 multiple, 3.3-19, 3.3-26, 3.3-64, 3.3-65, 3.3-73, 3.6-34, 3.11-17, 3.11-27, 3.12-48, 3.12-49, 3.12-51, 3.12-52, 3.12-62, 3.12-63, 3.12-98, 3.12-122, Section 3.13 multiple, 3.18-5, 3.18-10, 3.19-7, 3.19-9, 3.19-34, 3.19-37, 4-8, 4-46, 4-68, 6-4, 7-4

consistency 1-3, 1-24, 2-17, 3.2-3, 3.2-65, 3.9-10, 3.9-23, 3.13-2, 3.13-3, 3.13-13, 3.13-15, 3.13-18, 3.13-33, 3.14-49, 3.15-40, 3.16-22, 3.16-112, 3.16-128, 3.16-133, 3.18-35

conversion, convert Summary multiple, 1-21, 1-22, 1-26, 2-33, 2-105, 3.1-5, 3.3-25, 3.5-2, 3.6-72, 3.6-74, Section 3.7 multiple, 3.8-46, 3.8-56, 3.12-11, 3.12-50, Section 3.13 multiple, Section 3.14 multiple, 3.15-1, 3.15-2, 3.16-147, 3.17-8, 3.17-92, 3.17-93, 3.18-7, 3.18-19, 3.18-20, 3.18-29, 3.18-34, 3.18-35, 3.19-4, 3.19-5, 3.19-23, 3.19-25, 3.19-27, 3.19-38 through 3.19-40, 3.19-44, 4-67 through 4-69, 6-4, 6-5

Cottonwood Creek 3.8-22

Cowardin Classification System 3.7-11

CWA (see *Clean Water Act*)

D

Delay(s) 1-15

intersection 3.2-9

travel S-7, S-17, 1-5, 1-10, , 1-18, 3.19-6, 3.19-7

vehicle/vehicular, 1-18, 3.2-4, 3.2-5, 3.2-50

disruption, of service 2-8, Section 3.6 multiple

Dutch Slough 2-58, 2-63

E

economic growth 1-7 through 1-9, 1-27, 3.4-72, 3.13-11, 3.13-12, 3.18-2, 3.18-5, 3.18-8, 3.18-13, 3.18-30, 3.18-31, 3.18-35, 3.19-7, 7-4

economics 3.9-37, 3.14-1, 3.19-34, 3.19-35

emergency access 3.2-9, 3.2-10, 3.2-65 through 3.2-70, 3.2-147, 3.11-7

emergency services S-22, S-66, 3.4-9, 3.9-5, 3.9-21, 3.10-13, Section 3.11 multiple, 3.12-52, 3.12-111, 3.12-117, 3.19-31 through 3.19-33

emissions S-5, S-11, S-12, S-16 through S-19, S-50, S-51, S-69, 1-5, 1-19 through 1-21, 1-23, 1-32, 2-105 through 2-107, 2-111, 3.2-48, Section 3.3 multiple, 3.4-1, 3.4-12, 3.4-14, 3.5-3 through 3.5-5, 3.5-8, 3.5-13, 3.5-17, 3.6-2, 3.6-3, 3.10-2, 3.10-3, 3.10-7, 3.10-9, 3.10-29, 3.10-33, 3.10-36, 3.11-1, 3.12-48, 3.12-51, 3.12-57, 3.12-63, 3.12-76, 3.13-2, 3.13-8, 3.13-34, 3.13-58, 3.13-60, 3.14-4, 3.14-5, 3.18-2, 3.18-3, 3.18-19, 3.18-20, 3.18-30, 3.18-33, 3.18-37, 3.19-8 through 3.19-13, 3.19-37, 6-3, 6-4

employment S-9, S-12 through S-14, S-16, S-30, 1-7 through 1-9, 1-21, 2-35, 2-36, 2-39, 3.2-62, 3.6-11, Section 3.12 multiple, 3.13-2, 3.13-37, 3.13-56, 3.13-57, Section 3.18 multiple, 3.19-5, 3.19-6, 3.19-16, 3.19-34, 3.19-35, 5-11, 6-4, 7-4, 7-36, 7-40

Endangered Species Act (ESA)

California 2-114, 3.7-1, 3.7-5, 3.7-22, 3.7-42

Federal S-30, 3.7-1, 3.7-3, 3.7-5, 3.7-6, 3.7-15, 3.7-22, 3.7-25, 3.7-30, 3.7-36, 3.7-37, 3.7-42, 3.7-160, 3.7-162, 3.7-181, 3.7-189

energy

consumed/consumption 1-32, 3.3-57, 3.3-62, Section 3.6 multiple, 3.19-19

demand 3.6-1, 3.6-11, 3.6-15, 3.6-36, 3.6-43, 3.6-71, 3.6-77, 3.6-79, 3.19-19, 3.19-20

efficiency 3.3-3, 3.6-3, 3.6-71, 3.6-73

renewable S-16, 2-12, 3.3-1, 3.3-17, 3.3-57, 3.3-62, 3.6-3, 3.6-6, 3.6-15, 3.6-35, 3.6-44, 3.6-71, 3.6-76, 3.6-77, 3.19-10

F

fairy shrimp (see *vernal pool fairy shrimp*)

fire S-66, 2-5, 2-13, 2-104, 3.5-2, 3.5-9, 3.6-1, 3.7-48, 3.7-74, 3.7-98, 3.7-130, 3.7-163, 3.9-4, 3.9-5, 3.9-37, 3.10-5, 3.10-7, 3.10-9, 3.11-4 through 3.11-9, 3.11-15, 16, 24 through 3.11-28, 3.11-35, 3.11-37, 3.11-38, 3.11-40 through 3.11-46, 3.12-4, 3.12-35, 3.12-38, 3.12-39, 3.12-52, 3.12-56, 3.12-78, 3.12-101, 3.17-13, 3.17-39, 3.17-81, 3.18-31, 3.19-31 through 3.19-33, 4-25, 5-1

flood/floodplain 1-3, 2-8, 2-93, 2-94, 2-114, Section 3.7 multiple, Section 3.8 multiple, 3.9-12, 3.9-14, 3.11-36, 3.16-40, 3.17-87, 3.19-24 through 3.19-26, 3.19-45

G

greenhouse gases, GHG) S-18, 1-20, 1-21, 1-32, 2-105 through 2-107, 3.3-3, 3.3-6 through 3.3-8, 3.3-10, 3.3-13, 3.3-22 through 3.3-24, 3.3-27, 3.3-32, 3.3-39, 3.3-40, 3.3-47, 3.3-48, 3.3-51, 3.3-58, 3.3-59 through 3.3-63, 3.3-83, 3.3-84, 3.14-4, 3.18-19, 3.19-8, 3.19-10, 3.19-13, 3.19-48, 6-4

groundwater well 3.6-19, 3.6-22, 3.6-63, 3.6-64, 3.8-11, 3.8-56, 3.8-57, 3.8-59, 3.9-29, 3.10-8

growth

economic 1-7 through 1-9, 1-27, 3.4-72, 3.13-11, 3.13-12, 3.18-2, 3.18-5, 3.18-8, 3.18-13, 3.18-30, 3.18-31, 3.18-35, 3.19-7, 7-4

planned 2-35, 2-39, 3.13-37, 3.13-47, 3.18-19, 3.18-31, 3.18-32, 3.18-34, 3.18-35, 3.18-38

population S-9, S-12, 1-7 through 1-9, 1-21, 1-22, 2-35, 3.3-40, 3.6-36, 3.6-43, 3.6-44, 3.6-78, 3.11-25, 3.12-14, 3.12-98, 3.12-100, 3.13-33, 3.13-46, 3.13-47, 3.14-13, 3.14-39, 3.15-25, 3.17-45, 3.18-1 through 3.18-7, 3.18-11, 3.18-12, 3.18-20, 3.18-30, 3.18-31, 3.18-34 through 3.18-36, 3.19-4, 3.19-9, 3.19-18, 3.19-27, 3.19-32 through 3.19-34, 3.19-37, 3.19-41

travel 1-13, 3.2-7

H

habitats of concern S-21, Section 3.7 multiple, 3.12-58, 3.19-22 through 3.19-24

historic property, properties S-14, S-25, S-28, 2-68, 2-111, 3.4-5, 3.12-65, 3.15-1, 3.15-2, 3.16-2, 3.16-10, 3.17-1, 3.17-2, 3.17-5, 3.17-7, 3.17-10, 3.17-14 through 3.17-17, 3.17-29, 3.17-30, 3.17-32, 3.17-42 through 3.17-46, 3.17-51, 3.17-54 through 3.17-73, 3.17-75, 3.17-92, 3.17-93, 3.17-95, 3.17-96, 3.17-104 through 3.17-119, 3.17-122 through 3.17-128, 3.17-132, 3.19-46, 4-1, 4-3, 4-5, 4-6, 4-22, 4-28, 4-38 through 4-40, 4-42 through 4-44, 4-49 through 4-52, 4-54, 4-55, 4-56, 4-59, 4-60, 4-65, 6-1, 7-24

Hoover's woolly-star 3.7-10, 3.7-21, 3.7-33

I

intercity travel S-5 through S-7, 1-1, 1-4, 1-5, 1-7, 1-9 through 1-12, 1-14, 1-16 through 1-20, 1-26, 2-19, 2-52, 3.2-62 through 3.2-64, 3.11-25, 3.11-28, 3.11-31, 4-8, 4-45, 6-4

J

Jobs S-13, S-14, 1-8, 1-9, 1-21, 2-35, 2-101, 2-105, 2-110, 3.2-2, 3.2-8, 3.12-7, 3.12-8, 3.12-13, 3.12-31, 3.12-32, 3.12-34, 3.12-49, 3.12-52, 3.12-54 through 3.12-56, 3.12-100, 3.12-101, 3.12-103, 3.12-105, 3.12-106, 3.12-116, 3.12-121, 3.12-123, 3.12-124, Section 3.18 multiple, 3.19-4, 3.19-5, 3.19-34, 3.19-35, 3.19-36, 7-38, 7-39

K

Kern River Parkway S-24, S-71, S-73, S-74, 3.15-14, 3.15-18, 3.15-19, 3.15-23 through 3.15-25, 3.15-28, 3.15-30, 3.15-31, 3.15-41, 3.15-43, 3.15-44, 3.15-47, 3.15-49, 3.15-50, 3.16-12, 3.16-40, 3.16-59, 3.16-67, 3.16-68, 3.16-107, 3.16-108, 3.16-148, 3.19-41, 4-7, 4-13, 4-15, 4-36, 4-37, 4-53, 7-26, 7-29

L

M

meeting(s) S-5, S-7, S-29, 1-20, 2-17, 3.4-1, 3.10-33, 3.12-12 through 3.12-14, 3.12-116, 3.12-120, 3.13-17, 3.15-1, 3.17-4, 3.17-10, 3.17-20, 3.17-21, 3.17-23 through 3.17-28, 3.17-30, 4-7, 7-1 through 7-3, 7-5 through 7-43

movement corridor(s) S-20, S-21, S-59, S-62, S-64, S-65, 3.7-1, 3.7-8, 3.7-9, 3.7-12, 3.7-14, 3.7-15, 3.7-25, 3.7-38, 3.7-39, 3.7-41 through 3.7-44, 3.7-46, 3.7-93 through 3.7-96, 3.7-154 through 3.7-160, 3.7-162, 3.7-166, 3.7-167, 3.7-178, 3.7-180, 3.7-181, 3.7-184, 3.7-188, 3.7-190 through 3.7-192, 3.7-194 through 3.7-196, 3.7-199, 3.7-203, 3.7-205, 3.12-111, 3.19-22 through 3.19-24, 6-3

N

National Historic Preservation Act, NHPA 2-114, 3.7-25, 3.16-2, 3.16-60, 3.17-1 through 3.17-3, 3.17-10, 3.17-14, 3.17-17, 3.17-21, 3.17-94, 3.17-121, 4-5 through 4-7, 4-38, 4-40, 4-52, 4-60, 4-62

natural gas 3.2-48, 3.3-9, 3.3-65, 3.3-74, 3.3-76, 3.6-1 through 3.6-3, 3.6-10, 3.6-11, 3.6-15, 3.6-16, 3.6-18, 3.6-33, 3.6-35, 3.6-36, 3.6-39, 3.6-45, 3.6-52, 3.6-53, 3.6-57, 3.6-58, 3.9-2, 3.9-3, 3.9-7, 3.9-31, 3.10-5, 3.10-11, 3.10-33, 3.10-34, 3.10-36, 3.19-17, 3.19-18, 3.19-20

natural resources S-5, S-7, 1-4, 1-5, 1-21, 2-18, 3.6-9, 3.8-8, 3.9-5, 3.18-33, 3.19-1, 3.19-27, 4-8, 4-45, 6-2, 6-4, 7-3, 7-4

O

outreach xxv, S-29, 3.2-65, 3.12-1, 3.12-9, 3.12-12 through 3.12-14, 3.12-50, 3.12-119, 3.12-120, 3.12-121, 3.13-8, 3.13-16, 3.15-7, 3.17-19, 3.17-21, 3.17-22, 3.17-26, 3.17-27, 3.17-30, 3.19-37, 7-1 through 7-3, 7-7, 7-10, 7-12, 7-18, 7-20, 7-21, 7-23, 7-27 through 7-30, 7-34, 7-35, 7-42

P

paleontological resources S-25, S-45, S-46, S-79, S-80, 3.12-48, 3.12-59, 3.12-65, 3.12-112, 3.12-113, 3.17-1 through 3.17-3, 3.17-5 through 3.17-7, 3.17-9, 3.17-12, 3.17-18, 3.17-19, 3.17-32, 3.17-33, 3.17-85 through 3.17-87, 3.17-90, 3.17-93, 3.17-94, 3.17-116, 3.17-117, 3.17-126, 3.17-128, 3.17-132, 3.19-45 through 3.19-47, 3.19-52

parking, parking facilities S-10, S-16, S-68, S-69, 1-26, 2-6, 2-8, 2-16, 2-69 through 2-71, 2-76, 2-77, 2-78, 2-99, 2-100, 2-101, 2-106, 3.1-4, 3.2-3, 3.2-10, 3.2-31, 3.2-36, 3.2-42, 3.2-49, 3.2-

66, 3.2-67, 3.2-70, 3.2-98, 3.2-99, 3.2-102, 3.2-105, 3.2-110, 3.2-111, 3.2-125 through 3.2-127, 3.3-17, 3.3-18, 3.3-27, 3.3-71 through 3.3-73, 3.4-14, 3.6-65, 3.6-67, 3.7-17, 3.8-16, 3.8-40, 3.8-43, 3.8-52, 3.8-53, 3.8-57, 3.8-66, 3.11-15, 3.11-20, 3.12-51, 3.12-63, 3.12-70, 3.12-72 through 3.12-74, 3.12-76, 3.12-120, 3.12-121, 3.12-126, 3.13-6, 3.13-7, 3.13-15, 3.13-21, 3.13-29, 3.13-44, 3.13-46 through 3.13-53, 3.13-57, 3.13-61, 3.15-5, 3.15-32, 3.15-34, 3.16-4, 3.16-14, 3.16-40, 3.16-41, 3.16-47, 3.16-50, 3.16-63, 3.16-64, 3.16-83, 3.16-94, 3.16-116, 3.16-121, 3.16-128, 3.16-133, 3.16-139, 3.16-141, 3.16-144, 3.17-111, 3.19-25, 3.19-27, 4-9, 4-14, 4-15

parks S-13, 2-37, 2-106, 3.4-27, 3.4-28, 3.4-34, 3.4-44, 3.12-38, 3.12-40, 3.12-48, 3.12-64, 3.12-68, 3.12-112, 3.13-19, 3.15-1 through 3.15-7, 3.15-18 through 3.15-27, 3.15-29, 3.15-32, 3.15-33, 3.15-43, 3.15-45 through 3.15-48, 3.16-1, 3.16-5 through 3.16-8, 3.16-27, 3.19-40 through 3.19-42, 4-1, 4-12

Colonel Allensworth State Historic Park S-9, S-24, S-26, S-29, S-43, S-44, S-72, S-73, S-77, 2-67, 3.7-15, 3.7-35, 3.7-160, 3.12-64, 3.12-68, 3.12-112, 3.12-114, 3.13-20, 3.13-43, 3.15-3, 3.15-7, 3.15-13, 3.15-18, 3.15-22, 3.15-25, 3.15-27, 3.15-29, 3.15-33, 3.15-34, 3.15-36, 3.15-40, 3.15-43, 3.15-46 through 3.15-50, 3.16-12, 3.16-13, 3.16-22, 3.16-34, 3.16-35, 3.16-36, 3.16-56, 3.16-60, 3.16-67, 3.16-73, 3.16-77, 3.16-89, 3.16-103, 3.16-104, 3.16-124, 3.16-126, 3.16-148, 3.16-151, 3.17-6, 3.17-6, 3.17-21, 3.17-31, 3.17-46, 3.17-75, 3.19-42, 4-7, 4-11, 4-13, 4-14, 4-29, 4-31, 4-32, 4-33, 4-46, 4-53, 4-68, 4-69, 6-3, 7-5, 7-29

Chukchansi Park 2-70, 3.12-74, 3.13-21, 3.15-13, 3.15-18 through 20, 3.15-26, 3.15-32 through 3.15-35, 3.15-40, 3.15-44

Father Wyatt Park S-24, S-45, S-46, S-71 through S-73, 3.15-13, 3.15-18, 3.15-22, 3.15-27, 3.15-29, 3.15-33, 3.15-34, 3.15-40, 3.15-42, 3.15-47 through 3.15-50, 3.16-12, 3.19-41, 4-13, 4-14, 4-31

Jastro Park 3.15-14, 3.15-23, 3.15-24, 3.16-107, 3.16-125, 3.16-132
Kirchenmann Park 3.16-12

Kern River Parkway S-24, S-71, S-73, S-74, 3.15-14, 3.15-18, 3.15-19, 3.15-23 through 3.15-25, 3.15-28, 3.15-30, 3.15-31, 3.15-41, 3.15-43, 3.15-44, 3.15-47, 3.15-49, 3.15-50, 3.16-12, 3.16-40, 3.16-59, 3.16-67, 3.16-68, 3.16-107, 3.16-108, 3.16-148, 3.19-41, 4-7, 4-13, 4-15, 4-36, 4-37, 4-53, 7-26, 7-29

Orchard Park 2-38, 3.13-13, 3.15-14, 3.15-22, 3.15-25, 3.15-30, 3.15-38, 3.15-43, 3.19-41, 3.19-43, 3.19-44

Stringham Park 3.15-14, 3.15-19

particulate matter (PM) S-17, S-18, S-50, S-51, 1-19, 1-21, 2-86, 2-87, 3.3-2, 3.3-3, 3.3-10 through 3.3-12, 3.3-14, 3.3-19 through 3.3-21, 3.3-23 through 26, 3.3-29, 3.3-31 through 3.3-33, 3.3-36 through 3.3-42, 3.3-44 through 3.3-46, 3.3-49 through 3.3-55, 3.3-64, 3.3-65, 3.3-73 through 3.3-78, 3.3-80 through 3.3-86, 3.13-1, 3.19-8, 3.19-9, 3.19-12, 3.19-13, 6-3

Pacific Gas and Electric Company (PG&E) 2-12, 3.6-16, 3.6-18, 3.6-44, 3.6-55, 3.6-56, 3.6-58, 3.6-72, 3.6-77, 3.7-37, 3.11-18, 3.19-10

Pixley National Wildlife Refuge 2-26, 3.7-15, 3.7-35, 3.8-23, 3.8-45, 3.13-20, 3.13-43, 3.15-13, 3.15-18, 3.15-27, 3.15-34, 3.15-40

PM (see *particulate matter*)

Poso Creek 2-53, 2-58, 2-64, 2-65, 2-67, 3.2-76, 3.6-20, 3.7-19, 3.7-29, 3.7-38, 3.7-41, 3.7-85, 3.7-93, 3.7-101, 3.7-131, 3.7-138, 3.7-142, 3.7-143, 3.7-156, 3.7-157, 3.7-193, 3.8-12, 3.8-23, 3.8-26, 3.8-29, 3.8-34, 3.8-36, 3.8-47, 3.8-55, 3.8-60, 3.8-64, 3.8-65, 3.9-18, 3.11-36, 3.16-11, 3.17-36, 3.19-42

Q

R

rail

conventional rail 1-5, 1-16, 1-18, 2-35, 2-112, 3.2-64, 3.11-2, 3.11-28 through 3.11-30, 3.18-10, 4-8, 5-10

freight rail S-19, 1-13, 1-14, 1-18, 1-24, 1-25, 1-27, 2-4, 2-10, 2-18, 2-27, 2-29, 2-35, 2-50, 2-52, 2-53, 2-60, 3.2-1, 3.2-2, 3.2-10, 3.2-17, 3.2-42, 3.2-51, 3.2-63, 3.2-64, 3.2-67, 3.2-71, 3.2-99, 3.2-103, 3.2-106, 3.2-111, 3.2-127, 3.4-2, 3.4-13, 3.4-24 through 3.4-26, 3.4-29, 3.4-32, 3.4-48, 3.4-49, 3.4-72, 3.4-73, 3.5-13, 3.5-19, 3.5-20, 3.6-13, 3.8-23, 3.8-43, 3.8-47, 3.8-60, 3.8-61, 3.10-34, 3.10-35, 3.11-2, 3.11-3, 3.11-17, 3.11-28 through 3.11-30, 3.11-34, 3.11-42, 3.11-52, 3.12-66, 3.12-67, 3.13-4, 3.13-5, 3.13-7, 3.13-11, 3.13-32, 3.13-41, 3.13-42, 3.14-55, 3.15-26, 3.16-13, 3.16-22, 3.16-41, 3.16-50, 3.16-57, 3.16-67, 3.16-93, 3.16-137, 3.17-75, 3.17-76, 3.17-96, 3.17-109, 3.17-112, 3.18-5, 3.19-14, 3.19-42, 4-8, 4-14, 4-29, 4-31, 4-32, 4-42, 4-45, 4-50, 7-21

passenger rail 1-1, 1-3, 1-5, 1-14, 1-16 through 1-19, 1-23 through 1-25, 1-31, 2-4 through 2-6, 2-10, 2-13, 2-15, 2-16, 2-35, 2-49 through 2-52, 2-70, 2-99 through 2-103, 2-105 through 2-108, 2-113, 3.1-5, 3.2-1, 3.2-2, 3.2-4, 3.2-6, 3.2-11, 3.2-17, 3.2-48, 3.2-62 through 3.2-65, 3.2-67, 3.2-71, 3.4-2, 3.4-24, 3.4-32, 3.5-5, 3.5-13, 3.5-15, 3.5-19, 3.10-34 through 3.10-37, 3.11-1 through 3.11-4, 3.11-6, 3.11-15, 3.11-17, 3.11-28, 3.11-29, 3.11-34, 3.11-35, 3.11-40, 3.12-78, 3.13-4, 3.13-5, 3.13-10 through 3.13-12, 3.17-81, 3.18-6

rescue S-66, 3.11-8 3.11-9, 3.11-24, 3.11-25, 3.11-35, 3.11-37, 3.11-43 through 3.11-46, 3.19-33

rivers 2-113, 3.6-20, 3.7-2, 3.7-15, 3.7-20, 3.7-193, 3.8-4, 3.8-16, 3.8-28, 3.8-30, 3.9-15, 3.16-11, 3.16-23, 3.16-94, 3.17-36, 3.19-21, 3.19-24

Kern River S-78, 1-27, 2-29, 2-58, 2-65, 2-68, 3.2-48, 3.6-20, 3.6-21, 3.7-19, 3.7-20, 3.7-29, 3.7-38, 3.7-41, 3.7-69, 3.7-71, 3.7-75, 3.7-77, 3.7-88, 3.7-89, 3.7-91 through 3.7-93, 3.7-95, 3.7-122, 3.7-123, 3.7-129, 3.7-131, 3.7-133, 3.7-146 through 3.7-150, 3.7-156, 3.7-158, 3.7-193, 3.8-12, 3.8-16, 3.8-17, 3.8-23, 3.8-24, 3.8-26, 3.8-28 through 3.8-30, 3.8-34, 3.8-36, 3.8-38, 3.8-45 through 3.8-47, 3.8-51, 3.8-55, 3.8-60, 3.8-65, 3.9-11, 3.9-26, 3.12-69, 3.16-5, 3.16-6, 3.16-12, 3.16-40, 3.16-42, 3.16-43, 3.16-66 through 3.16-68, 3.16-74, 3.16-107, 3.16-132, 3.17-36, 3.17-44, 3.17-76

Kings River 2-58, 2-60, 2-63, 2-65, 3.4-65, 3.4-66, 3.6-20 through 3.6-22, 3.7-19, 3.7-29, 3.7-38, 3.7-40, 3.7-57, 3.7-75, 3.7-77, 3.7-78, 3.7-80, 3.7-93, 3.7-94, 3.7-109, 3.7-129, 3.7-131, 3.7-133, 3.7-134, 3.7-136, 3.7-156, 3.7-193, 3.8-12, 3.8-17, 3.8-22, 3.8-24, 3.8-26 through 3.8-29, 3.8-34, v46, 3.8-50 through 3.8-52, 3.8-54, 3.8-63, 3.8-67, 3.9-36, 3.10-8, 3.11-36, 3.12-37, 3.16-11, 3.16-89, 3.16-94, 3.16-118, 3.19-42, 4-10, 4-27, 5-8

Tule River 2-26, 2-64, 2-66, 2-67, 3.2-73, 3.2-75, 3.6-16, 3.6-20, 3.6-22, 3.7-19, 3.7-29, 3.7-35, 3.7-38, 3.7-40, 3.7-75, 3.7-81 through 3.7-84, 3.7-93, 3.7-129, 3.7-131, 3.7-138, 3.7-140, 3.7-156, 3.7-157, 3.7-193, 3.8-12, 3.8-22 through 3.8-24, 3.8-26, 3.8-29, 3.8-34, 3.8-36, 3.8-46, 3.8-47, 3.8-51, 3.8-55, 3.8-60, 3.8-64, 3.9-36, 3.11-36, 3.14-31, 3.16-11, 3.16-23, 3.16-94, 3.17-36, 3.19-42, 4-11

road closure S-15, S-17, S-33, S-34, S-49, 2-33, 2-66, 2-111, 3.2-7, 3.2-8, 3.2-50, 3.2-66, 3.2-69, 3.2-72 through 3.2-78, 3.2-123, 3.2-125, 3.2-126, 3.2-128, 3.2-147, 3.2-148, 3.11-27, 3.11-28, 3.11-35, 3.11-42, 3.12-48, 3.12-51, 3.12-52, 3.12-108, 3.12-110, 3.13-35, 3.19-6, 3.19-33, 3.19-34

runoff S-12, 3.6-5, 3.6-26, 3.6-67, 3.6-68, 3.7-28, 3.7-30, 3.7-42, 3.7-48, 3.7-54, 3.7-56, 3.7-74, 3.7-98, 3.7-107, 3.7-130, Section 3.8 multiple, 3.9-27 through 3.9-29, 3.9-39, 3.19-5, 3.19-22, 3.19-24, 3.19-25, 3.19-27, 3.19-28

S

safety S-21, S-22, S-39, S-66, 1-1, 1-3, 1-18, 1-19, 1-23, 2-3 through 2-6, 2-12, 2-15, 2-16, 2-53, 2-100, 2-104, 2-109, 2-111, 3.2-1, 3.2-2, 3.2-8, 3.2-9, 3.2-10, 3.2-66 through 3.2-68, 3.2-71, 3.2-125 through 3.2-127, 3.3-6, 3.3-7, 3.4-1, 3.4-29, 3.4-48, 3.4-49, 3.4-53, 3.5-4, 3.5-5, 3.5-17, 3.5-19, 3.5-21, 3.6-1, 3.6-4, 3.6-5, 3.6-9, 3.6-11, 3.7-162, 3.8-4, 3.8-7, 3.8-47, 3.9-15, 3.9-21, 3.9-26, 3.9-27, 3.10-4 through 3.10-7, 3.10-10, 3.10-12, Section 3.11 multiple, Section 3.12 multiple, 3.13-5, 3.14-57, 3.16-60, 3.16-63, 3.17-79, 3.19-29, 3.19-31 through 3.19-33, 3.19-49, 4-2, 4-30, 4-36, 4-37

San Joaquin kit fox S-56, S-59, S-62, S-64, Section 3.7 multiple

San Joaquin River 3.3-14, 3.6-19, 3.8-4, 3.8-51, 3.9-3, 3.10-8

San Joaquin woolly threads 3.7-10, 3.7-21, 3.7-33

scenic corridors 3.16-2, 3.16-4

school Summary multiple, 2-28, 2-30, 2-37, 2-39, 2-64, 2-68, 3.1-2, 3.2-69, 3.2-125, 3.2-126, 3.3-49, 3.3-50, 3.3-75, 3.3-76, 3.3-82, 3.3-84, 3.3-85, 3.4-3, 3.4-4, 3.4-5, 3.4-7, 3.4-9, 3.4-18, 3.4-27 through 3.4-29, 3.4-32, 3.4-34, 3.4-40 through 3.4-47, 3.4-51, 3.4-61, 3.5-6, 3.5-12 through 3.5-15, 3.5-17, 3.5-35, 3.10-3, 3.10-7, 3.10-15, 3.10-16 through 3.10-19, 3.10-25, 3.10-26 through 3.10-30, 3.10-32, 3.10-33, 3.10-35, 3.10-36, 3.10-38, 3.10-39, 3.11-20 through 3.11-22, 3.11-25, 3.11-27, 3.11-40, 3.11-41, 3.11-45, 3.12-8, 3.12-13, 3.12-35, 3.12-37, 3.12-38, 3.12-40, 3.12-48, 3.12-51, 3.12-52, 3.12-54, 3.12-56, 3.12-58, 3.12-64, 3.12-66, 3.12-68, 3.12-70, 3.12-72, 3.12-73, 3.12-75, 3.12-77, 3.12-78, 3.12-98, 3.12-101 through 3.12-103, 3.12-119 through 3.12-121, 3.12-123, 3.12-125, 3.12-126, 3.13-16, 3.13-29, 3.13-33, 3.13-34, 3.13-40, 3.13-44, 3.13-57, 3.14-44, 3.15-6 through 3.15-12, 3.15-16 through 3.15-26, 3.15-28 through 3.15-34, 3.15-39, 3.15-42 through 3.15-45, 3.15-47, 3.15-48, 3.15-52, 3.16-4, 3.16-12, 3.16-27, 3.16-34, 3.16-40, 3.16-41, 3.16-50, 3.16-54, 3.16-56, 3.16-57, 3.16-74, 3.16-107, 3.16-109, 3.16-110, 3.16-118, 3.16-119, 3.16-125, 3.16-132 through 3.16-134, 3.16-137 through 3.16-142, 3.16-154, 3.16-155, 3.17-21, 3.17-45, 3.17-50, 3.17-53, 3.17-75, 3.17-76, 3.17-87, 3.17-102, 3.17-110, 3.18-31, 3.19-4, 3.19-41, 4-16, 4-24, 4-29, 4-32, 4-43, 4-68, 6-3, 7-6, 7-23, 7-26 through 7-31, 7-33, 7-34, 7-40, 7-41, 8-3, 8-6, 8-14 through 8-16, 9-1, 9-5

Senate Bill 375 1-21, 3.14-4

sever, severance S-29, 2-90, 3.12-52, 3.12-53, 3.14-8 3.14-40, 3.14-44, 3.14-48, 3.14-49, 3.14-59

sound barrier S-19, S-24, S-77, S-78, 3.1-6, 3.4-53 through 3.4-73, 3.16-64, 3.16-68, 3.16-69, 3.16-103, 3.16-109, 3.16-116, 3.16-124, 3.16-146, 3.16-152, 3.16-153, 4-35

South Coast Air Quality Management District S-18, 3.3-18

SPRR (see *Southern Pacific Railroad*) 2-19, 2-70, 2-71, 2-74, 3.17-46, 3.17-47, 3.17-76 through 3.17-78, 3.17-81, 3.17-90, 3.18-11, 4-7, 4-22

stormwater 2-8, 2-58, 2-115, Section 3.6 multiple, Section 3.8 multiple, 3.11-17, 3.19-5, 3.19-24 through 3.19-28, 7-35

stormwater management 3.6-67, 3.6-77, 3.8-5 through 3.8-9, 3.8-38, 3.8-49, 3.8-66, 3.8-68

Swainson's hawk S-55, S-58, S-59, S-61, S-63, S-64, Section 3.7 multiple, 3.19-21

T

tax S-26, S-27, 1-27, 3.11-37, Section 3.12 multiple, 3.13-2, 3.14-1 through 3.14-3, 3.14-7, 3.14-49, 3.17-85, 3.18-20, 3.18-29, 3.19-35, 5-26, 5-27

TGV (Tres Grand Vitesse) 2-5, 3.5-15, 3.11-2

tiger salamander (see *California tiger salamander*) S-55 through S-64, Section 3.7 multiple

TOD (see *transit-oriented development*)

tourism S-6, S-7, 1-5, 1-7, 1-17

traction power substation 2-1, 2-6, 2-12, 2-13, 2-113, 3.1-4, 3.4-14, 3.5-2, 3.7-7, 3.8-43, 3.8-47, 3.8-60, 3.8-65, 3.14-10, 3.16-64, 3.16-68, 3.16-147

transit-oriented development (TOD) S-13, 2-100, 2-101, 2-122, 2-100, 2-101, 2-106, Section 3.13 multiple, 3.19-3

transportation, regional S-7, S-11, 1-14, 1-16, 1-17, 1-22 through 1-25, 1-3, 2-40, Section 3.2 multiple, Section 3.13 multiple, 3.14-4, 3.14-7, 3.14-39, Section 3.18 multiple, 3.19-2, 3.19-30, 6-4, 7-10, 7-33

travel time S-1, S-5, S-6, S-16, 1-4, 1-5, 1-14, 1-16, 1-17 through 1-19, 1-27, 2-1, 2-17, 2-19, 2-6, 2-28, 2-29, 2-30, 2-32, 2-102, 3.2-1, 3.2-63, 3.2-69, 3.2-70, 3.2-78, 3.12-7, 3.12-62, 3.12-64, 3.12-98, 3.12-122, 3.13-8, 3.14-48, 3.18-9, 3.18-10, 3.19-37, 4-8, 4-45, 4-46, 4-49, 4-60, 4-63, 4-65, 4-67, 4-68, 5-10, 6-1, 6-4, 7-6

Tulare County Association of Governments 1-12, 1-18, 1-24, 2-36, 3.2-2, 3.2-3, 3.3-39, 3.13-3, 3.13-4, 3.13-10, 3.18-4, 3.18-6, 3.18-13, 3.18-16, 7-43

Tule River Tribal Council 1-24

U

V

Vernal pool fairy shrimp (see *fairy shrimp*) S-54, S-59, S-60, S-64, 3.7-23, 3.7-30, 3.70-32, 3.7-33, 3.7-54, 3.7-57, 3.7-59, 3.7-61, 3.7-63, 3.7-65, 3.7-66, 3.7-68, 3.7-69, 3.7-71, 3.7-108, 3.7-110, 3.7-112, 3.7-115, 3.7-117, 3.7-118, 3.7-120, 3.7-122, 3.7-123, 3.7-182, 3.7-197, 3.7-201, 3.19-21

W

water

demand 3.6-6, 3.6-11, 3.6-45, 3.6-49, 3.6-61 through 3.6-65, 3.8-17, 3.8-39, 3.8-46, 3.8-56, 3.8-57, 3.8-69, 3.14-1, 3.18-31, 3.19-16, 3.19-19, 3.19-26, 3.19-27

management S-13, 1-20, 3.6-4, 3.6-6, 3.6-7, 3.6-30, 3.19-26

resources S-12, S-16, S-39, S-40, S-65, 1-20, 2-17, 3.1-2, 3.4-9, 3.6-1, 3.6-8, 3.6-11, 3.6-64, 3.6-67, 3.6-68, 3.6-77, 3.6-78, Section 3.7 multiple, Section 3.8 multiple, 3.9-1, 3.9-5, 3.9-27, 3.9-39, 3.10-1, 3.10-7, 3.10-37, 3.11-41, 3.12-58, 3.12-111, 3.14-1, 3.19-24, 3.19-25, 3.19-27, 3.19-28, 3.19-49, 3.19-24, 6-1, 7-9, 8-6, 8-7, 9-5

Western burrowing owl 3.7-16, 3.7-18, 3.7-23, 3.7-106, 3.7-111, 3.7-114, 3.7-119, 3.19-21

Westside Parkway 1-27, 1-28, 2-28, 3.2-42

wetland(s) S-20, S-34, S-36, S-54, 2-82, 1-21, 2-17, 2-26, 2-67, 2-112, 2-114, 3.1-2, 3.4-48, Section 3.7 multiple, 3.8-1, 3.8-16, 3.8-40, 3.8-66, 3.8-68, 3.12-58, 3.12-111, 3.17-43, 3.19-21 through 3.19-24, 3.19-49, 4-1, 4-61, 4-66, 6-1, 7-8, 9-4