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Town of Portola Valley

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REFERENCES

AESTHETICS

California Department of Transportation Scenic Highway Program website:

<https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways>.

AGRICULTURAL, FOREST, AND MINERAL RESOURCES

State of California, Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program, San Mateo County Important Farmland, 2018, September 2019.

State of California, Department of Forestry and Fire Protection, Fire and Resource Assessment Program, California's Forests and Rangelands 2017 Assessment, August 2018.

USGS, Mineral Resources Data System, last updated 2011, available at <http://tin.er.usgs.gov/mrds/>.

AIR QUALITY

BAAQMD, Ambient Air Quality Standards and Bay Area Attainment, via website

http://www.baaqmd.gov/pln/air_quality/ambient_air_quality.htm , accessed February 27, 2009.

Bay Area Air Quality Management District Air Pollution Summaries (<http://www.baaqmd.gov/about-air-quality/air-quality-summaries>).

Bay Area Air Quality Management District, California Environmental Quality Act Air Quality Guidelines, May 2017.

Bay Area Air Quality Management District CEQA Guidelines, May 2017.

Bay Area Air Quality Management District, Clean Air Plan 2017: Spare the Air, Cool the Climate, Adopted April 2017.

California Air Resources Board (CARB), 2011b. Regulation for In-Use Off-Road Diesel-Fueled Fleets. Title 13, California Code of Regulations, Section 2449.

California Air Resources Board (CARB), 2012. In-Use Off-Road Diesel Vehicle Regulation.

Office of Environmental Health Hazard Assessment (OEHHA), Air Toxics Hot Spots Program Risk Assessment Guidelines, The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, February 2015.

CULTURAL AND TRIBAL CULTURAL RESOURCES

Town of Portola Valley, General Plan, Historic Element, last amended April 22, 1998.

GEOLOGY AND SOILS

Aetron-Blume-Atkinson, 1965, Geologic Site Investigation for Stanford Linear Accelerator Center, report number ABA-88.

Brabb, E.E., Graymer, R.W., and Jones, D.L., 1998, Geology of the Onshore Part of San Mateo County, California, a digital database: U.S. Geological Survey, Open-File Report OF-98-137, scale 1:62,500.

Brabb, E.E. and Pampeyan, E.H., 1983, Geologic Map of San Mateo County, California, U.S. Geological Survey, Miscellaneous Investigations Series Map I-1257-A, scale 1:62,500.

Brabb, E.E., Pampeyan, E.H., and Bonilla, M.G., 1978, Landslide Susceptibility in San Mateo County, California.

California Building Standards Commission website at http://www.bsc.ca.gov/title_24/default.htm.

California Division of Mines and Geology, 1974, Earthquake Fault Zones Map of the Palo Alto 7.5-minute Quadrangle.

California Division of Mines and Geology, 1997 revision, Fault-Rupture Hazard Zones in California, DMG Special Publication 42.

California Geological Survey, 2006, Earthquake Zones of Required Investigation Palo Alto 7.5 Minute Quadrangle.

Cornerstone Earth Group, 2017, Preliminary Geotechnical and Geologic Hazard Investigation: Stanford Wedge, Portola Valley, CA, 105-117-1.

Cornerstone Earth Group, 2021 (Aug. 4, 2021), Trench Investigation, Portola Terrace, Alpine Road, Portola Valley, California, 105-117-2.

Cotton, Shires and Associates, 2017, Ground Movement Potential Map, Town of Portola Valley, San Mateo County, California, Project No. G0088.

- Dibblee, T.W., and Minch, J.A., 2007, Geologic Map of the Palo Alto and Mountain View Quadrangles, Alameda, San Mateo, and Santa Clara Counties, California: Dibblee Geological Foundation, Dibblee Foundation Map DF-350, scale 1:24,000.
- Field, E.H. and 2014 Working Group on California Earthquake Probabilities, 2015, UCERF3: A New Earthquake Forecast for California's complex Fault System: U.S. Geological Survey 2015-3009, 6 p., <https://dx.doi.org/10.3133/fs20153009>.
- Page, B.M. and Tabor, L.L., 1967, Chaotic Structure and Decollement in Cenozoic Rocks near Stanford University, California: Geological Society of America, Bulletin v. 78, n. 1, scale 1:27,000.
- Pampeyan, E.H., 1993, Geologic map of the Palo Alto and Part of the Redwood Point 7-1/2' quadrangles, San Mateo and Santa Clara Counties, California, US Geological Survey, Map I-2371.
- U.S. Geological Survey and California Geological Survey, 2006, Quaternary Fault and Fold Database for the United States, <http://earthquake.usgs.gov/regional/qfaults/>.
- United States Geological Survey, 2014, U.S. Seismic Design Maps, revision date June 23, available at <http://earthquake.usgs.gov/hazards/designmaps/usdesign.php>.

GREENHOUSE GAS EMISSIONS

- Association of Bay Area Governments and Metropolitan Transportation Commission, Plan Bay Area 2040. Adopted July 18, 2013.
- Association of Environmental Professionals, 2016. Beyond 2020 and Newhall: A Field Guide to New CEQA Greenhouse Gas Thresholds and Climate Action Plan Targets for California. April.
- Bay Area Air Quality Management District, California Environmental Quality Act Air Quality Guidelines, May 2017, p. 2-1.
- Bay Area Air Quality Management District, Clean Air Plan 2017: Spare the Air, Cool the Climate, Adopted April 2017.
- Brekke, L.D., et al, 2004. "Climate Change Impacts Uncertainty for Water Resources in the San Joaquin River Basin, California." Journal of the American Water Resources Association. 40(2): 149–164. Malden, MA, Blackwell Synergy for AWRA.
- California Air Resources Board, California Greenhouse Gas Emissions for 2000 to 2018: Trends of Emissions and Other Indicators, 2020 Edition.
- California Air Resources Board (CARB), 2006c. Public Workshop to Discuss Establishing the 1990 Emissions Level and the California 2020 Limit and Developing Regulations to Require Reporting of Greenhouse Gas Emissions, Sacramento, CA. December 1.

California Air Resource Board, 2017. California’s 2017 Climate Change Scoping Plan: The Strategy for Achieving California’s 2030 Greenhouse Gas Targets. November. Web:
https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/scoping_plan_2017.pdf

California Climate Action Team, Report to Governor Schwarzenegger and the California Legislature, April 2006.

California Climate Change Center (CCCC), Our Changing Climate: Assessing the Risks to California, CEC- 500-2006-077, July 2006.

California Green Building Standards Code, <https://www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Resources-List-Folder/CALGreen#:~:text=CALGreen%20is%20the%20first%2Din,to%201990%20levels%20by%202020>.

Federal Register, Vol. 81, No. 206, Tuesday, October 25, 2016, Rules and Regulations.

Parmesan, C. and H. Galbraith, Observed Impacts of Global Climate Change in the U.S., Arlington, VA: Pew Center on Global Climate Change, November 2004.

The California Energy Commission, 2019 Building Energy Efficiency Standards Frequently Asked Questions, March 2018. Web: https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf.

Town of Portola Valley. Town of Portola Valley General Plan, Sustainability Element, adopted January 26, 2009.

U.S. EPA, Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990 – 2019. April 14, 2021, Table 2-1: Recent Trends in U.S. Greenhouse Gas Emissions and Sinks.

U.S. EPA, Overview of Greenhouse Gases, accessed at <https://www.epa.gov/ghgemissions/overview-greenhouse-gases>.

HAZARDS AND HAZARDOUS MATERIALS

McCarthy, J and Tiemann, M, Congressional Research Service Report RL30032 – Solid Waste Disposal Act/Resource Conservation and Recovery Act, National Council for Science and the Environment, obtained from
<http://www.cnie.org/NLE/CRSreports/BriefingBooks/Laws/h.cfm>.

Title 22 of the California Code of Regulations Chapters 23 and 45, and Chapter 6.5 Section 25218 of the Health and Safety Code, available in full at
[https://govt.westlaw.com/calregs/Browse/Home/California/CaliforniaCodeofRegulations?guid=I6F56A7E1D4B611DE8879F88E8B0DAAAE&originationContext=documenttoc&transitionType=Default&contextData=\(sc.Default\)](https://govt.westlaw.com/calregs/Browse/Home/California/CaliforniaCodeofRegulations?guid=I6F56A7E1D4B611DE8879F88E8B0DAAAE&originationContext=documenttoc&transitionType=Default&contextData=(sc.Default)),
https://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?sectionNum=25218&lawCode=HSC, and
<https://govt.westlaw.com/calregs/Browse/Home/California/CaliforniaCodeofRegulations?gui>

[d=I3E00DB70D4BB11DE8879F88E8B0DAAAE&originationContext=documenttoc&transitionType=Default&contextData=\(sc.Default\)&bhpc=1.](https://www.woodsidefire.org/attachments/article/50/Town%20of%20Portola%20Valley%20Evacuation%20Plan.pdf)

Woodside Fire Protection District, undated, Town of Portola Valley Evacuation Plan, available at: <https://www.woodsidefire.org/attachments/article/50/Town%20of%20Portola%20Valley%20Evacuation%20Plan.pdf>.

HYDROLOGY AND WATER QUALITY

California Department of Water Resources, 2016 update, California's Groundwater, CDWR Bulletin 118.

California Regional Water Quality Control Board. San Francisco Bay Region. 2015. Municipal Regional Stormwater NPDES Permit. Order No. R2-2015-0049. NPDES Permit No. CAS612008. November 19, 2015.

California Regional Water Quality Control Board. San Francisco Bay Region. 2017. San Francisco Bay Basin Water Quality Control Plan. May 4, 2017.

San Mateo Countywide Stormwater Pollution Prevention Program. 2016. Current Stormwater Quality Control Requirements.

NOISE AND VIBRATION

Kryter, K. D. (1985). The Effects of Noise on Man. Academic Press.

San Francisco International Airport Aircraft Noise Abatement Office, Portola Valley Noise Monitoring Report, issued quarterly and available from 2015 to quarter 3 of 2021, accessed 1/28/2022, available at: <https://www.flysfo.com/community/noise/reports-and-resources/aircraft-noise-monitoring-reports#>.

POPULATION AND HOUSING, PUBLIC SERVICES, AND RECREATION

Jack Shrader & Associates, May 8, 2014, Level I Developer Fee Study for Sequoia Union High School District, page 8, available at <https://www.seq.org/DEPARTMENTS/Administrative-Services/Maintenance--Operations/School-Impact--Developer-Fees/index.html>.

Jack Shrader & Associates, March 30, 2020, Level I Developer Fee Study for Portola Valley School District, page 8, available at: http://p11cdn4static.sharpschool.com/UserFiles/Servers/Server_60962/File/2020%20PVSD%20Developer%20Fee%20Justification%20Study.pdf.

Portola Valley General Plan Housing Element, Adopted January 14, 2015, p. 12.

Portola Valley website, available at: <https://www.portolavalley.net/departments/san-mateo-county-sheriff>.

San Mateo County Library website, <http://www.smcl.org>.

San Mateo County Sherriff's Office Incident Reports April 1 – June 30, 2021, Available at:
<https://www.portolavalley.net/home/showpublisheddocument/14815/637625470411300000>.

San Mateo County Sherriff's Office website, available at:
<https://performance.smcgov.org/stories/s/Sheriff-s-Office-Patrol-Division-3051P-/3bi2-qgr6/>.

State of California, Department of Finance, E-5 Population and Housing Estimates for Cities, Counties and the State, January 1, 2010-2021. Sacramento, California, May 2021.

State of California, Department of Finance, E-5 Population and Housing Estimates for Cities, Counties and the State, January 1, 2011-2020. Sacramento, California, May 2020.

Woodside Fire Protection District Website, available at: <https://www.woodsidefire.org/about>.

TRANSPORTATION

State of California, Department of Finance, May 2020, E-5 Population and Housing Estimates for Cities, Counties and the State, January 1, 2011-2020, 2019 Persons per Household for Portola Valley.

UTILITIES

California Water Service. 2020 Urban Water Management Plan, Bear Gulch District. June 2020.
Available at: https://www.calwater.com/docs/uwmp2020/BG_2020_UWMP_FINAL.pdf.

CalRecycle, Solid Waste Information System Facility/Site Database. Website accessed August 2021 at: <https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/1359?siteID=3386>.

West Bay Sanitary District, Wastewater Collection System Master Plan and Update, July 2011 and February 2013. Available at: <https://westbaysanitary.org/about-us/documents/>.

WILDFIRE

Cal Fire, Very High Fire Hazard Severity Zones in LRA, San Mateo County, 2007,
https://osfm.fire.ca.gov/media/6800/fhszl_map41.pdf.

Cal Fire, Draft Fire Hazard Severity Zones in LRA, San Mateo County, 2007, available at
https://osfm.fire.ca.gov/media/6801/fhszl06_1_map41.pdf.

Moritz Arboricultural Consulting, Fuel Hazard Assessment Study, Town of Portola Valley, October 2008.

Woodside Fire Protection District, Evacuation Plan for the Town of Portola Valley, available at:
<https://www.woodsidefire.org/attachments/article/50/Town%20of%20Portola%20Valley%20Evacuation%20Plan.pdf>.

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