

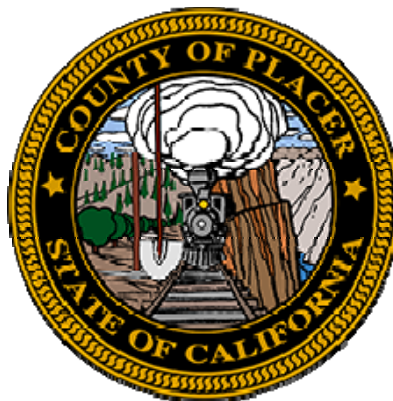
MILL CREEK PROJECT

SCH# 2017052042

DRAFT ENVIRONMENTAL IMPACT REPORT

VOLUME I OF II
CHAPTERS 1 - 20 & APPENDICES A & B

PREPARED FOR
PLACER COUNTY



JUNE 2018

PREPARED BY



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**Mill Creek Project
Draft Environmental Impact Report**

SCH# 2017052042

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ACRONYMS AND ABBREVIATIONS

A

AAQS	ambient air quality standards
AB	Assembly Bill
AB 2588	The Air Toxics Hot Spots Information and Assessment Act of 1987
ADOE	Archaeological Determinations of Eligibility
ADT	average daily trips
ADWF	average dry weather capacity
afy	acre-feet per year
-AG	Combining Agriculture
ASHERA	Asbestos Hazard Emergency Response Act
AHM	acutely hazardous material
AJC	Auburn Justice Center
ALUC	Airport Land Use Commission
ANSI S1.4	American National Standards Institute for Type 1 sound level meters
APNs	Assessor's Parcel Numbers
ASCE	American Society of Civil Engineers
AST	aboveground storage tank
ATCM	Airborne Toxic Control Measure

B

-B	Building Site
BAAQMD	Bay Area Air Quality Management District
Basin Plan	Sacramento and San Joaquin River Basin
bgs	below ground surface
Bike Lane	Class II Bikeway
Bike Path	Class I Bikeway
Bike Route	Class III Bikeway
BMPs	Best Management Practices
BSC	Building Standards Commission

C

C	Commercial
C ₂ F ₆	Hexafluoroethane
CAAQS	California ambient air quality standards
cal	calibrated years
CAL FIRE	California Department of Forestry and Fire Protection

Cal-Am	California American Water
CalARP	California Accidental Release Program
CalEEMod	California Emissions Estimator Model
CalEPA	California EPA
Caltrans	California Department of Transportation
CA-PLA-41	village site
CARB	California Air Resources Board
CARB Handbook	Air Quality and Land Use Handbook: A Community Health Perspective
CA-SAC-107	Windmill site
CA-SAC-127	Augustine site
CASQA	California Stormwater Quality Association
CAT	Climate Act Team
CBC	California Building Code
CBIA case	California Building Industry Association v. Bay Area Air Quality Management District case
CBSC	The California Building Standards Commission
CC&Rs	Conditions, Covenants and Restrictions
CCAA	California Clean Air Act
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CESA	California Endangered Species Act
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CF ₄	Tetrafluoromethane
CFR	Code of Federal Regulations
cfs	cubic feet per second
CH ₄	methane
CHHSL	California Human Health Screening Level
CHP	California Highway Patrol
CHWMP	County's Hazardous Waste Management Plan
CIP	Capital Improvement Program
CIWMB	California Integrated Waste Management Board
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CO	Carbon monoxide
CO ₂	carbon dioxide
COC	Chemicals of Concern
Commission	California Fish and Wildlife Commission
CPI	Consumer Price Index
CPUC	California Public Utilities Commission
CRHR	California Register of Historic Resources
CSA	County Service Area
CTMP	Construction Traffic Management Plan
CUP	Conditional Use Permit

CVRWQCB Central Valley Regional Water Quality Control Board
CWA Clean Water Act
CY cubic yards

D

dB decibel
DBH Diameter at breast height
-Dc Design Scenic Corridor
DCJESD Dry Creek Joint Elementary School District's
DCWCRMP Dry Creek Watershed Coordinated Resource Management Plan
DCWPCP Dry Creek-West Placer Community Plan
DDW Division of Drinking Water
DMAs Drainage Management Areas
DOC California Department of Conservation
DOT Department of Transportation
DPM diesel particulate matter
DRC Development Review Committee
Dry Creek WWTP Dry Creek Wastewater Treatment Plant
DTSC Department of Toxic Substances Control
du/ac dwelling units per acre
DWR California Department of Water Resources

E

EIR Environmental Impact Report
EOP Placer County and Placer Operational Area Emergency Operations Plan
EPCRA Emergency Planning and Community Right-to-Know Act
ESAs Environmental Site Assessments
ESD Engineering and Surveying Division
ESU Evolutionary Significant Unit

F

FCAA Federal Clean Air Act
FCAA The Federal Clean Air Act
Fee Study Placer County Park and Recreation Facilities Fee Study
FEMA Federal Emergency Management Agency's
FESA Federal Endangered Species Act
FGC Fish and Game Code
FHWA Federal Highway Administration
FHWA RD-77-108 Highway Traffic Noise Prediction Model
FICON Federal Interagency Committee on Noise
FID California Facility Information Database
FIRM Flood Insurance Rate Maps

FMMP Farmland Mapping and Monitoring Program
FRAP Fire and Resource Assessment Program

G

gcpd gallons per capita per day
GHG greenhouse gas
GIS Geographic Information System
GLO Government Land Office
GOS Greenbelt and Open Space
GPA General Plan Amendment
gpd/EDU gallons per day per equivalent dwelling unit
gpm gallons per minute
GPS global positioning system
GPSr precision global satellite receiver
Greenway Plan Dry Creek Greenway Regional Vision (2011)
GWh gigawatt-hours
GWP Global Warming Potential

H

H₂S Hydrogen Sulfide
Haight, Ogg, Pruett
Properties Report Cultural Resources Inventory and Effects Assessment for the
Meritage Homes PFE Assemblage Project
HCM Highway Capacity Manual
HCP Habitat Conservation Plan
HEC Hydrologic Engineering Center
HEC-RAS USACE HEC River Analysis System
HMS Hydrologic Modeling System
HPDF Historic Property Data File
HRA health risk assessment
HSWA Hazardous and Solid Waste Amendments
HUD U.S. Department of Housing and Urban Development
HVAC heating, ventilation, and air conditioning
HWCL Hazardous Waste Control Law
Hz Hertz

I

I-80 Interstate 80
iADAM Aerometric Data Analysis and Management
IBC International Building Code
ICC International Code Council
IEC International Electrotechnical Commission
IN Industrial

in/sec PPV	inches per second peak particle velocity
INP	Industrial Park
Interim Guidelines	Interim Guidelines for Evaluating Development Impacts on Oak Woodland
IN-UP-Dc	Industrial combining Use Permit and Design Scenic Corridor
IPac	USFWS Information for Planning and Conservation
ISO	Insurance Service Organization

K

kWh	kilowatt-hours
-----	----------------

L

LAFCo	Local Agency Formation Commission
lbs/day	pounds per day
LCFS	Low Carbon Fuel Standard
LDL	Larson Davis Laboratories
L _{dn}	day/night average noise level
LDR	Low Density Residential
L _{eq}	equivalent sound level
License	License Agreement
LID	Low Impact Development
LIM	Land Inventory and Monitoring
Local Farmland	Unique Farmland, Farmland of Local Importance
LOS	level of service
LRA	Local Responsibility Area

M

MAP	Asbestos Model Accreditation Plan
Master Plan	Placer County Parks and Trails Master Plan
MBTA	Migratory Bird Treaty Act
MDR	Medium Density Residential
MEP	Maximum Extent Practicable
mg/kg	milligram per kilogram
mgd	million gallons per day
MLD	Most Likely Descendent
MMRP	Mitigation Monitoring and Reporting Plan
mph	miles per hour
MPOs	metropolitan planning organizations
MOO	Multi-Objective Opportunities
MRF	Material Recovery Facility
MRZs	Mineral Resource Zones
MS4	Municipal Separate Storm Sewer System
msl	mean sea level

MTCO _{2e}	metric tons of CO ₂ equivalents
MTIP	Metropolitan Transportation Improvement Program
MTP	SACOG 2016 Metropolitan Transportation Plan
MTP/SCS	2016 Metropolitan Transportation Plan/Sustainable Communities Strategy
MTP/SCS	Metropolitan Transportation Plan/Sustainable Communities Strategy
MWELo	Model Water Efficient Landscape Ordinance

N

N ₂ O	nitrous oxide
NAAQS	federal ambient air quality standards
NAHC	Native American Heritage Commission
NCIC	North Central Information Center
NEHRP	National Earthquake Hazards Reduction Program
NFIP	National Flood Insurance Program
NHPA	National Historic Preservation Act
NIH	National Institute of Health
NIOSH	National Institute for Occupational Safety and Health
NO ₂	nitrogen dioxide
NOA	naturally occurring asbestos
NOI	Notice of Intent
NOP	Notice of Preparation
NOT	Notice of Termination
NO _x	Oxides of Nitrogen
NMFS	National Marine Fisheries Service
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places

O

O	Open Space
OCPs	organochlorine pesticides
OES	Office of Emergency Services
OP	Office and Professional
OP-Dc	Office and Professional combining Design Scenic Corridor
OPR	Office of Planning and Research
OSHA	Occupational Safety and Health Administration
Ozone Attainment Plan	Sacramento Regional 8-Hour Ozone Attainment and Reasonable Further Progress Plan

P

PCAPCD	Placer County Air Pollution Control District
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PCBs	polychlorinated biphenyls
PCCP	Placer County Conservation Program
PCEHD	Placer County Environmental Health Department
PCF	Placer County Fire Department
PCFCWCD	Placer County Flood Control and Water Conservation District
PCSO	Placer County Sheriff's Office
PCTPA	Placer County Transportation Planning Agency
PCWA	Placer County Water Agency
PFE	Pacific Fruit Express Company
PG&E	Pacific Gas & Electric
PHHWCF	Permanent Household Hazardous Waste Collection Facility
Placer Greens Property Report	Cultural Resources Inventory and Effects Assessment for the Meritage Homes Placer Greens Project
Placer Legacy Program	Placer Legacy Open Space and Agricultural Conservation Program
PM	particulate matter
PM ₁₀	Respirable Particulate Matter
PM _{2.5}	Fine Particulate Matter
PM _{2.5-10}	Inhalable coarse particles
POTW	Publicly Owned Treatment Works
PRC	Public Resources Code
PVC	polyvinyl chloride
PWS	Public Water System
PWWF	peak wet-weather flow

Q

Qm	Modesto Formation
Qmr	Modesto-Riverbank formations
Qr	Riverbank Formation
QSP	Qualified SWPPP Practitioner
Qtl	Turlock Lake Formation

R

RACM	reasonably available control measures
RACT	reasonably available control technology
rail yard	The Union Pacific J.R. Davis Yard
raptor	broad-winged birds-of-prey
RCRA	Resource Conservation and Recovery Act
RD-4	Residential 4
RECs	Recognized Environmental Conditions
RHNA	Regional Housing Needs Allocation
RHNP	Regional Housing Needs Plan
RHNP	2013-2021 Regional Housing Needs Plan
RJUHS	Roseville Joint Union High School District

RoadMod	Roadway Construction Emissions Model
ROG	reactive organic gases
RPS	Renewable Portfolio Standard
RS-B-6	Residential Single Family, minimum Building Site of 6,000 square feet
RT	Sacramento Regional Transit
RWQCB	Regional Water Quality Control Board

S

SACOG	Sacramento Area Council of Governments
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SCH	State Clearinghouse
SCR 93	County's Highway Deficiencies Report
SCS	Sustainable Communities Strategy
SDMs	Site Design Measures
SE-1	Silt Fence
SE-10	Storm Drain Inlet Protection
SE-5	Fiber Rolls
SE-9	Straw Bale Barrier
sec/veh	seconds per vehicle
Separated Bikeway	Class IV Bikeway
sf	square feet
SF ₆	Sulfur Hexafluoride
SHPO	State Historic Preservation Office
SIP	State Implementation Plan
SLIC	Spills, Leaks, Investigations, and Cleanups
SMAQMD	Sacramento Metropolitan Air Quality Management District
SMARTS	Stormwater Multiple Application & Reports Tracking System
SMUD	Sacramento Municipal Utilities District
SO ₂	Sulfur Dioxide
SPRR	Southern Pacific Railroad
SPRTA	South Placer Regional Transportation Authority
SR	State Route
SSC	Species of Special Concern
Staff Report	Staff Report Regarding Mitigation for Impacts to Swainson's Hawk (<i>Buteo swainsoni</i>) in the Central Valley of California
Statewide Farmland	Prime Farmland, Farmland of Statewide Importance
SVAB	Sacramento Valley Air Basin
SWANCC	Solid Waste Agency of Northern Cook County
SWMM	Stormwater Management Manual
SWPPP	stormwater pollution prevention plan
SWQP	Storm Water Quality Plan
SWQP	Storm Water Quality Plan
SWRCB	California State Water Resources Control Board

SWRCB State Water Resources Control Board

I

TACs Toxic Air Contaminants
TC-1 Stabilized Construction Entrance
TCM transportation control measures
TMC Technical Memorandum of Compliance
TMDL Total Maximum Daily Load
TRB Transportation Research Board
TRO Trip Reduction Ordinance
TSCA Toxic Substances Control Act

U

UAIC United Auburn Indian Community
UBC Uniform Building Code
UCMP University of California Museum of Paleontology
UFP Ultrafine particles
-UP Use Permit Required
UPRR Union Pacific Railroad
Urban Land Grazing Land, Urban and Built-up Land
USA Underground Services Alert
USACE United States Army Corps of Engineers
USDA United States Department of Agriculture
USEPA U.S. Environmental Protection Agency
USEPA United States Environmental Protection Agency
USFS U.S. Forest Service
USFWS United States Fish and Wildlife Service
USTs underground storage tanks
UWMP California American Water Company's Northern Division
Sacramento District 2015 Urban Water Management Plan

V

V/C volume to capacity ratio
VCM Vinyl Chloride
VECs vapor encroachment conditions
VELB Valley Elderberry Longhorn Beetles
VHFHSZ Very High Fire Hazard Severity Zones
VMT vehicle miles travelled

W

WBWG Western Bat Working Group
WE-1 Wind Erosion Control

WELO	Water Efficient Landscape Ordinance
WKA	Wallace Kuhl and Associates
WPWMA	Western Placer Waste Management Authority
WRSL	Western Regional Sanitary Landfill
WSAs	Water Supply Assessments

REMAINING

2013 Ozone Attainment Plan	2013 Revisions to the Sacramento Regional 8-Hour Ozone Attainment and Reasonable Further Progress Plan
2017 Scoping Plan	2017 Climate Change Scoping Plan Update