

# **Appendix VIII**

**Compiled and Evaluated Data Themes for the  
Phase I NCCP/HCP Planning Area**





## APPENDIX VIII.

### Compiled and Evaluated Data Themes for the Phase I NCCP/HCP Planning Area

Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
<b>Aerial Photos and Satellite Images</b>							
Color aerial photos, resampled and trimmed thumbnail images (16 flight lines, 245 photos)	fcX-X		Foothill Associates (flown by Geoimagery)	Loren Clark, Placer County Planning Department, 530-889-7470	No		Higher resolution and more spatially precise AirPhoto USA photomosaic used instead
Color aerial photos, compressed JPEGs (16 flight lines, 245 photos)	new_placerX-X		Foothill Associates (flown by Geoimagery)	Loren Clark, Placer County Planning Department, 530-889-7470	No		More spatially precise AirPhoto USA photomosaic used instead
Landsat TM satellite image (3 bands)	pl_tm.tif		California Department of Forestry and Fire Protection (C.D.F./FRAP)	Mark Rosenberg, C.D.F., 916-227-2658	No		Higher resolution AirPhoto USA photomosaic used instead
Color aerial photos, high resolution TIFs (22 flight lines, 298 photos)	placerX-X		Geoimagery (Don Moore)	Loren Clark, Placer County Planning Department, 530-889-7470	No		More spatially precise AirPhoto USA photomosaic used instead
AirPhoto USA Photomosaic	pX-X.jpg in ./photos subdirectory		Placer County Planning Department	Kelly Berger, 530-889-7470	Yes	Landcov , All Large- and Small-Patch Ecosystems	Most spatially precise and current aerial photo dataset available to Jones and Stokes during the Land-cover/habitat mapping process.
Black & white digital orthophotos (3.75 minute quarter quads)	quadname_quarter		USGS	Larry Cleverger, Placer County Planning Dept., 530-889-7470	No		More spatially precise and current AirPhoto USA photomosaic used instead
Color aerial photos, high resolution TIFs (10 flight lines, 161 photos)	X-XR		Geoimagery (Don Moore, 530-823-6230)	Loren Clark, Placer County Planning Department, 530-889-7470	No		More spatially precise AirPhoto USA photomosaic used instead

Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
Color aerial photos, low resolution TIFs (10 flight lines, 161 photos)	X-Xwld		Geoimagery (Don Moore, 530-823-6230)	Loren Clark, Placer County Planning Department, 530-889-7470	No		Higher resolution and more spatially precise AirPhoto USA photomosaic used instead
Color aerial photos, high resolution TIFs (14 flight lines, 36 photos)			Geoimagery (Don Moore, 530-823-6230)	Larry Cleverger, Placer County Planning Dept., 530-889-7470	No		More spatially precise AirPhoto USA photomosaic used instead
<b>Basemaps</b>							
Placer County parcel base maps	areaaedit , phaseb , phasec , phased , t13r09e , t14r09ne , t14r09sw , t14r09se , t14r09nw , t15r09e (join with gis_mod1.dbf)		Placer County Planning Department / Assessor's Office	Larry Cleverger, Placer County Planning Dept., 530-889-7470	No		Not necessary for themes covered in analysis.
California Cities	cabigcities		Jones and Stokes Associates	Eric Beckwitt, 530-292-0100	Yes	Major Cities	Used to depict major towns and cities on maps.
Highways and Major Roads	camajrds		Sierra Biodiversity Institute	Eric Beckwitt, 530-292-0100	Yes		Used to depict highways and major roads on maps
City boundaries	cities (polygon), cities00 (lines only, updated to match parcel lines)		Placer County Planning Department	Larry Cleverger, Placer County Planning Dept., 530-889-7470	No		Not necessary. Urban areas mapped during land cover assessment process used instead.

Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
California county boundaries	counties , sevensco (Placer, El Dorado, Nevada, Sacramento, Sutter, Yuba and Yolo counties)		Teale Data Center	Steve Flatt, Teale Data Center, 916-464-4584	No		Layer placerc0 used instead.H17
Geographic locations	geonanamea		Teale Data Center	Roger Ewers, Teale Data Center, 916-263-1488	Yes		Used to label towns, peaks, mines, streams, etc. on maps.
State of Nevada Major Roads	nevmrds		Sierra Biodiversity Institute	Eric Beckwitt, 530-292-3625	Yes	State of Nevada Major Roads	Used only for geographic location on maps.
Nevada County parcel base map with assessor's tax and landuse information	nevparcel		Nevada County GIS Division	Diana Carolan, Nevada County GIS Division, 530-265-1411	No		Outside study area.
Nevada County Roads	nevroads		Nevada County GIS Division	Diana Carolan, Nevada County GIS Division, 530-265-1411	No		Outside study area.
Five Foot Elevation Contours, Placer Legacy HCP Phase 1 Area	p1cont5	Created using latticecontour from layer p1dema	Jones and Stokes Associates	Eric Beckwitt, 530-292-0100	No		Layers placont25 and placont100 used instead to show elevation contours on maps.
Roseville parcel base map with assessor's tax and landuse information	parcel_rose		City of Roseville Planning Department / Placer County Planning Department	Larry Clevenger, Placer County Planning Dept., 530-889-7470	No		Not necessary for themes covered in analysis.

Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
Parcel centroids	parcelcentra		Placer County Planning Department / Assessor's Office; City of Roseville Planning Department	Larry Cleverger, Placer County Planning Department, 530-889-7470	No		Not necessary for themes covered in analysis.
Placer County boundary	placerc		Placer County Planning Department	Larry Cleverger, Placer County Planning Dept., 530-889-7470	Yes	Placer County Boundary .	Used to depict county boundary on maps
One hundred Foot Elevation Contours, Placer County	placcont100	Created using latticecontour from layer placerdema	Jones and Stokes Associates	Eric Beckwith, 530 292 0100	Yes		Used for elevation contours on watershed vegetation and other maps.
Twenty-five foot elevation contours, Placer County	placcont25	Created using latticecontour from layer placerdema	Jones and Stokes Associates	Eric Beckwith, 530 292 0100	Yes		Used for elevation contours on watershed vegetation and other maps.
Public Land Survey	pls_placer , pls1 (township / range / section combined in one field)		Teale Data Center	Steve Flatt, Teale Data Center, 916-464-4584	No		Not necessary. Urban areas mapped during land cover assessment process used instead.
Roads	roads , roads7co		Teale Data Center	Roger Ewers, Teale Data Center, 916-263-1488	Yes	Placer County Roads	Used only for geographic location on maps.
Passable Roads	roadsonly	Vector reselection by attribute to eliminate trails and four-wheel drive roads.	Sierra Biodiversity Institute	Eric Beckwith, 530-292-3625	No		Layer roads used instead.
Roseville parcel base map	rosevillepa		City of Roseville Planning Department	Dorothee Moss, City of Roseville Planning Department, 916-774-5276	No		Not necessary for themes covered in analysis.

Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
City spheres of influence	soi98		Placer County Planning Department	Larry Cleverger, Placer County Planning Dept., 530-889-7470	No		Not necessary. Urban areas mapped during land cover assessment process used instead.
Placer County townsites	towns		Placer County Planning Department	Larry Cleverger, Placer County Planning Dept., 530-889-7470	No		Layer cabigcities used instead.
<b>Landuse</b>							
Capability Class 1 and 2 Agricultural Soils in western Nevada and NW Placer Counties	class1ca		Nevada Irrigation District	Carman Holman <holman@nid.dst.ca.us>	No		Layer does not cover entire Phase 1 area.
Contiguous Tracts of Single Ownership	cont	Derived from layer parcels by regiongrouping a frequency analysis of the item owner.	Sierra Business Council		No		Contiguous tract ownership information not utilized in this study.
Current (1998) landuse	currentlu		Department of Water Resources (DWR), Department of Conservation (DOC)	Larry Cleverger, Placer County Planning Dept., 530-889-7470	No		Information from Land-cover/habitat mapping used instead.
Current (1998) urban development	currenturb , dwrurb5co , docurban		Department of Water Resources (DWR), Department of Conservation (DOC)	Larry Cleverger, Placer County Planning Dept., 530-889-7470	No		Information from Land-cover/habitat mapping used instead.

Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
Placer County Composite General Plan	gp_combo_2000		Placer County Planning Department	Larry Clevenger, Placer County Planning Dept., 530-889-7470	No		Not necessary for themes covered in analysis.
General Plans for Placer and surrounding Counties	gp7co		SACOG, Placer County, Nevada County	Larry Clevenger, Placer County Planning Dept., 530-889-7470	No		Not necessary for themes covered in analysis.
Important Farmlands (1998)	impfarm , plafarm98 , eldfarm98 , nevfarm98		California Department of Conservation (DOC), Farmland Monitoring and Mapping Program (FMMP)	Blake Rushworth, FMMP, 916-324-0859	No		Information from Land-cover/habitat mapping used instead.
Important Farmlands (1996)	impfarm96 , sacfarm , yubfarm		California Department of Conservation (DOC), Farmland Monitoring and Mapping Program (FMMP)	Blake Rushworth, FMMP, 916-324-0859	No		Information from Land-cover/habitat mapping used instead.
Landuse and water usage/availability	luplac94 , lusac93 , lusut98 , luyol97 , luyuba95		Department of Water Resources	Steve Turner, DWR, 916-653-4041	No		Information from Land-cover/habitat mapping used instead.
Nevada County General Plan	nevadagp		Nevada County GIS Division	Diana Carolan, Nevada County GIS Division, 530-265-1411	No		Outside study area.



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Government Ownership	ownership , ownplacer		Teale Data Center	Larry Cleverger, Placer County Planning Dept., 530-889-7470	Yes	Public Lands, Private Lands	Used to map public and private lands, and to derive statistics on public land distribution by watershed.
Parcels overlaid on general plan	parcelagp		Placer County Planning Department / Assessor's Office	Larry Cleverger, Placer County Plannign Dept., 530-889-7470	No		Not necessary for themes covered in analysis.
Placer County Parcels 2001	parcels		Placer County Planning Department	Vanessa Dunnikan, 530-889-7470	No		Parcel information not utilized in this study.
Placer County Boundary	placo	Vector reselection by attribute from layer sevensco.	Sierra Biodiversity Institute	Eric Beckwitt, 530 292 0100	Yes		Used for Placer County boundary on maps.
Conservation easements	placvp		Placer County Planning Department	Larry Cleverger, Placer County Planning Dept., 530-889-7470	No		Not necessary for themes covered in analysis.
Important Farmlands (pre 1996)	plafarm86 , plafarm90 , plafarm94		California Department of Conservation (DOC), Farmland Monitoring and Mapping Program (FMMP)	Blake Rushworth, FMMP, 916-324-0859	No		Information from Land-cover/habitat mapping used instead.
Placer County PublicParcels	pubparc	Vector append of layers pubparcel_w, pubparcel_m, pubparcel_e	Sierra Biodiversity Institute	Eric Beckwitt, 530 292 0100	Yes	Public Lands, Private Lands	Used to map public and private lands, and to derive statistics on public land distribution by watershed.
Placer County Public Parcels with detailed ownership	pubparc_ownf	Vector append of layers pubparcel_w, pubparcel_m, pubparcel_e	Sierra Biodiversity Institute	Eric Beckwitt, 530 292 0100	No		

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Public-owned and non-taxable parcels	pubparcel_w , pubparcel_m , pubparcel_e		Placer County Planning Department / Assessor's Office	Larry Clevenger, Placer County Planning Dept., 530-889-7470	No		Layer pubparc used instead.
Sacramento Area General Plans	sacoglu , sacoglu5co (excludes Placer County)		Sacramento Area Council of Governments (SACOG)	Ken Gebert, SACOG, 916-733-3215	No		Outside study area.
Timber Production Zone (TPZ) Parcels	tpzc	Vector reselection by attribute from layer ownershp.	Sierra Biodiversity Institute	Eric Beckwitt, 530 292 0100	No		Eliminated from consideration at beginning of project.
Water agency customers	watercust		Placer County Water Agency (PCWA), Nevada Irrigation District (NID), South Sutter Irrigation District	Larry Clevenger, Placer County Planning Dept., 530-889-7470	No		Not necessary for themes covered in analysis.
Williamson Act Properties	williamson		Placer County Planning Department	Larry Clevenger, Placer County Planning Dept., 530-889-7470	No		Information from Land-cover/habitat mapping used instead.
Regional Plans for Placer and Surrounding Counties			Placer County Planning Department / Nevada County GIS Division, SACOG	Larry Clevenger, Placer County Planning Dept., 530-889-7470	No		Not necessary for themes covered in analysis.

Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
<b>Physical features</b>							
Capability Class 1, 2 and 3 Agricultural Soils	arable	Derived by vector reselection from nrccsoil	Sierra Biodiversity Institute	Eric Beckwitt, 530 292 0100	No		Eliminated from consideration at beginning of project.
Watershed boundaries (Calwater)	calwater, basinsp, basins		California Department of Forestry and Fire Protection (CDF/FRAP)	Mark Rosenberg, CDF/FRAP, 916-227-2658	No		Calwater 2.2 used instead.
Watershed boundaries (Calwater 2.2)	calwater22 , shedplacer		California Department of Forestry and Fire Protection (CDF/FRAP)	Andy Richardson, CDF/FRAP, 916-263-3649	Yes	Phase 1 Area Watersheds	Standardized statewide watershed layer for forested uplands. Developed and approved by multiple state and Federal agencies.
Water delivery infrastructure	canals		Placer County Water Agency (PCWA)	Harry Oliver or David Crosby, PCWA, 530-823-4892	No		On the ground accuracy unverified.
30m DEM	dem_feet, dem_meters		U.S. Geological Survey (USGS)	Larry Clevenger, Placer County Planning Dept., 530-889-7470	Yes	Elevation, Slope, Elevation Contours, Phase 1 Area Watersheds	Used to derive statistics on watershed minimum, maximum and mean elevation; mean slope; and to make 40 and 100 foot interval contours for watershed maps.
Ecological Subregions	ecoregions , ecoregpl , grvalley , foothill , sierra		USDA Forest Service (USFS)	Brian Schwind, USFS, 916-454-0805	No		Not necessary for themes covered in analysis.
Floodplains	fema		Federal Emergency Management Agency (FEMA)	FEMA Mitigation Directorate, 800-358-9616	No		Not necessary for themes covered in analysis.

Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
Gabbrodiorite Soils	gab	Reselected by attribute from ncrssoil	Jones and Stokes Associates, Sacramento, CA	Eric Beckwitt, 530-292-0100	No		Theme occurs outside study area boundary.
Geology	geology		California Department of Conservation (DOC), Division of Mines and Geology	Ralph Lloyd, Division of Mines and Geology, 916-322-9207	No		More spatially precise and detailed layer ncrssoil used instead.
Groundwater basin	groundwatera		Placer County Water Agency (PCWA)	Harry Oliver or David Crosby, PCWA, 530-823-4892	No		Not necessary for themes covered in analysis.
Hydrography	hydro , hydrop , hydro7co , hydrarca		Teale Data Center	Roger Ewers, Teale Data Center, 916-263-1488	No		Layer streams100k used instead.
Hydrography Point Features	hydropa		Teale Data Center	Roger Ewers, Teale Data Center, 916-263-1488	No		Layer hydrarca used instead.
Lakes and Reservoirs	hydpola		Teale Data Center	Roger Ewers, Teale Data Center, 916-263-1488	Yes	Lakes and Reservoirs	Used to depict lakes and reservoirs on maps.
Irrigated Class 1 and 2 Agricultural Soils	irrigateda		Nevada Irrigation District	Carman Holman <holman@nid.dst.ca.us>	No		Eliminated from consideration at beginning of project.

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Lakes	lakes_area		Placer County Planning Department, Nevada County GIS Division, SACOG, Tahoe National Forest	Larry Cleverger, Placer County Planning Dept., 530-889-7470	No		Lakes and reservoirs from layer landcov were more spatially precise and used instead.
Mehrten volcanic mudflow areas	mehrten		California Department of Fish and Game (CDFG), NRCS Soil Survey	Larry Cleverger, Placer County Planning Dept., 530-889-7470	Yes	Mehrten Formation Soils	Most spatially precise layer available for Mehrten Formation Soils.
30m hillshade model (Placer County + surrounding counties)	neushade24		California Department of Forestry and Fire Protection (CDF/FRAP)	Mark Rosenberg, CDF/FRAP, 916-227-2658	Yes	Shaded Relief Model	Used as backdrop for maps.
Soil survey geographic (SSURGO) database	nrcssoil		Natural Resource Conservation Service (NRCS)	Daryl Lund, NRCS, 916-792-5631	Yes	Serpentine Soils	Most precise data available on distribution of serpentine soils in western Placer County
Final HCP Phase 1 Subbasins	p1shedid	Derived from calwater2.2, subsheds, and watersheds modeled from dem_feet. Where calwater2.2 coverage was available, final watersheds are calwater.	Jones and Stokes Associates	Eric Beckwitt, 530-292-0100	Yes	Phase 1 Area Watersheds	Intermediate layer used to develop p1sheds.
Final Phase 1 Area Aggregate Watersheds	p1sheds	Derived by aggregation from p1shedid. West of calwater coverage, watersheds are logical aggregations of subsheds and modeled basins.	Jones and Stokes Associates, Sacramento, CA	Eric Beckwitt, 530-292-0100	Yes	Phase 1 Area Watersheds	Watershed layer specially developed for Placer Legacy Phase 1 Area.

Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
Watershed Boundaries as Surveyed in Phase 1 Field Review	p1surveysheds	Derived from calwater2.2, subsheds, and watersheds modeled from dem_feet. Where calwater2.2 coverage was available, final watersheds are calwater. West of calwater coverage, watersheds are logical aggregations of subsheds and modeled basins.	Jones and Stokes Associates	Eric Beckwitt, 530-292-0100	Yes		Watershed boundaries for p1surveysheds were used in the field review process. Following field review, minor boundary changes were made to create more logical aggregations of subbasins. For final watersheds used for statistical summaries in this report, se
30m hillshade model (Placer County)	plashade24		Placer County Planning Department	Larry Cleverger, Placer County Planning Dept., 530-889-7470	No		Layer Neushade24 used instead.
Precipitation	rain , rainp		California Department of Forestry and Fire Protection (CDF/FRAP)	Mark Rosenberg, CDF/FRAP, 916-227-2658	No		Not necessary for themes covered in analysis.
Preliminary Roadless Areas of Placer County	rdls	100 meter vector buffer of layer roadsonly	Sierra Biodiversity Institute	Eric Beckwitt, 530 292 0100	No		Eliminated from consideration at beginning of project.
Serpentine Soils	serp	Reselected by attribute from ncrssoil	Jones and Stokes Associates, Sacramento, CA	Eric Beckwitt, 530-292-0100	Yes	Serpentine Soils	The only spatially accurate layer available for serpentine soils.
Sierra Nevada soil types	shdsoil		USDA Forest Service (USFS)	Brian Schwind, USFS Remote Sensing Lab, 916-454-0805			More spatially precise and detailed layer ncrssoil used instead.

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Percent slope	slp_west , slp_mid , slp_east		California Department of Forestry and Fire Protection (CDF/FRAP)	Mark Rosenberg, CDF/FRAP, 916-227-2658	No		Slope layer derived from layer dem_feet used instead.
State soil geographic (STATSGO) database	statsgo		Natural Resource Conservation Service (NRCS)		No		More spatially precise and detailed layer nrccsoil used instead.
Rivers and Streams	streams100k	Vector reselection by attribute from hydrarca. Streams and rivers only reselected; canals deleted.	Sierra Biodiversity Institute	Eric Beckwitt, 530 292 0100	Yes	Streams and Rivers	The only comprehensive layer available for streams and rivers.
Western Placer subwatershed boundaries	subsheds		Placer County Department of Public Works	Larry Clevenger, Placer County Planning Dept., 530-889-7470	Yes	Phase 1 Area Watersheds	Intermediate layer used to develop p1sheds.
Tahoe National Forest Soils	tnfsoila		USDA Forest Service (USFS)		No		Theme occurs outside study area boundary.
Tahoe National Forest Soils with additional attribution	tnfsoilarwg		Sierra Biodiversity Institute	Eric Beckwitt, 530 292 0100	No		Eliminated from consideration at beginning of project.
Sierra Nevada sensitive soils	tnfssoi		USDA Forest Service (USFS)	Brian Schwind, USFS Remote Sensing Lab, 916-454-0805	No		Layer tnfsoila used instead.
West Placer Creeks	westcreeks		Placer County Planning Department (from Teale)		No		Layer hydrarca used instead.

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Western Placer watershed boundaries	westsheds		Placer County Department of Public Works	Larry Cleverger, Placer County Planning Dept., 530-889-7470	No		Layer subsheds used instead.
<b>Vegetation and Landcover</b>							
Sierra Nevada Vegetation	ct16ev eg_3, ct17ev eg_3, ct17ev eg_3p, ct19ev eg_2, ct19ev eg_2p, ct20ev eg_2, ct20ev eg_2p, ct21ev egi_2, ct21ev egi_2p, ct34ev eg_2, ct34ev eg_2p, ct64ev eg_1, ct68ev eg_1		USDA Forest Service (USFS) and California Department of Forestry and Fire Protection (CDF/FRAP)	Brian Schwind, USFS Remote Sensing Lab, 916-454-0805 / Mark Rosenberg, CDF, 916-227-2658	No		Land-cover/habitat layer used instead.
Eastern Placer Vegetation	eastveg		USDA Forest Service (USFS) and California Department of Forestry and Fire Protection (CDF/FRAP)	Mark Rosenberg, CDF/FRAP, 916-227-2658	No		Land-cover/habitat layer used instead.
Fire Recurrence Intervals	fire_rec	Derived from fire_state using the ARC/INFO command regionpolycount.	Sierra Biodiversity Institute	Eric Beckwitt, 530-292-0100	No		Eliminated from consideration at beginning of project.
Historic Wildfires	fire_state		California Department of Forestry and Fire Protection (CDF/FRAP)	Elsa Hucks <Elsa.Hucks@fire.ca.gov>	No		Eliminated from consideration at beginning of project.
Relative Fire Risk	firer	Created by combining fire_rec and rankfuel in ARC/INFO GRID	Sierra Biodiversity Institute	Eric Beckwitt, 530-292-0100	No		Eliminated from consideration at beginning of project.



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Mountain Hemlock Stands	heml	Vector reselection by attribute from TNFVEG80A	Sierra Biodiversity Institute	Eric Beckwitt, 530-292-0100	No		Theme does not occur in study area.
Forest Service historic vegetation (1934)	histveg		USDA Forest Service (USFS)	Brian Schwind, USFS Remote Sensing Lab, 916-454-0805	No		Historic vegetation not analyzed in this study.
Kuchler potential vegetation	kuchler , kuchplac		California Department of Forestry and Fire Protection (CDF/FRAP)	Mark Rosenberg, CDF/FRAP, 916-227-2658	No		Historic vegetation not analyzed in this study.
Land-cover/Habitat Types	landcov		Jones and Stokes Associates, Sacramento, CA	Margaret Widdowson, 916-737-3000	Yes	<b>Large-Patch Ecosystems:</b> Lacustrine, Riverine, Barren, Disturbed Lands, Annual Grassland, Pasture - Irrigated, Fresh Emergent Wetland, Seasonal Wetland, Vernal Pool, Vernal Pool Complex, Foothill Chaparral, Valley Foothill Riparian Woodland, Foothill Hardw	Most spatially precise and accurately attributed layer available for Large- and Small-Patch Ecosystems visible from aerial photos.

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Late seral old-growth forests	Isog	Reselected by attribute (*4N or *4G) from layer tnfvieg80a	Sierra Business Council		No		Theme does not occur in study area.
Montane meadows	meadow_tnf		Tahoe National Forest (TNF)	Alan Doerr, TNF, Nevada City office, 530-478-6252	No		Theme does not occur in study area.
Fuel hazard ranking (pixel-level)	neurank		California Department of Forestry and Fire Protection (CDF/FRAP)	Mark Rosenberg, CDF/FRAP, 916-227-2658	No		Theme not covered by study.
Fuel hazard ranking (aggregated to 400 acre areas)	neurank81		California Department of Forestry and Fire Protection (CDF/FRAP)	Mark Rosenberg, CDF/FRAP, 916-227-2658	No		Theme not covered by study.
National Wetlands Inventory	nwiplacer		Environmental Protection Agency (EPA)	Chief Cartographer, National Wetlands Inventory, 813-570-5411	Yes	Fresh Emergent Wetlands	Used to make certain that the Land-cover/habitat layer mapped all wetlands.
Delineated vernal pool centroids	placvp		California Department of Fish and Game (CDFG)	Monica Parisi, CDFG, 916-327-8822	No		Layer vp_2000 used instead.
Fire history	plcfrfire		California Department of Forestry and Fire Protection (CDF/FRAP)	Mark Rosenberg, CDF/FRAP, 916-227-2658	No		Theme not covered by study.
Fuel Density Ranking	rankfuel	Derived in ARC/INFO GRID from the rankfuel item in layer NEURANK81	Sierra Biodiversity Institute	Eric Beckwitt, 530-292-0100	No		Eliminated from consideration at beginning of project.
Rice Fields	rice1994		Placer County Planning Department	Diana Stralberg, 530-889-7470	No		Layer landcov used instead.

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Riparian overlaid on hydrography	riparian		Foothill Associates, USGS	Loren Clark, Placer County Planning Department, 530-889-7470	No		Layer westrip used instead.
Riparian Zone Hardwoods	ripplacer		California Department of Forestry and Fire Protection (CDF/FRAP)	Shawn Saving, CDF/FRAP, 916-227-2655	No		Land-cover/habitat layer used instead.
Late seral old-growth forests	sbiogc		Sierra Biodiversity Institute	Eric Beckwitt, 530-292-0100	No		Theme does not occur in study area.
SNEP Significant Areas	sna_eco		Sierra Nevada Ecosystem Project (SNEP)		No		Theme does not occur in study area.
USFS Late-Succession Forests	strata4ng	Vector reselection by attribute from layer TNFVEG80A. In the item "strata," all types containing "4N" or "4G" reselected.	Sierra Biodiversity Institute	Eric Beckwitt, 530 292 0100	No		Theme does not occur in study area.
Tahoe National Forest Vegetation	tnfveg80a		Tahoe National Forest (TNF)	Alan Doerr, TNF, Nevada City office, 530-478-6252	No		Theme does not occur in study area.
Late seral old-growth forests	usfssnog		USDA Forest Service (USFS)	Brian Schwind, USFS Remote Sensing Lab, 916-454-0805	No		Theme not covered by study.
Vernal Pools	vp_2000 , vpmehrten		North Fork Associates (Jeff Glazner)	Loren Clark, Placer County Planning Department, 530-889-7470	No		Layer vpc2003 used instead.

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Vernal Pool Complexes	vp_2003		North Fork Associates (Jeff Glazner)	Loren Clark, Placer County Planning Department, 530-889-7470	Yes	Large-Patch Ecosystems: Vernal Pool Complexes: High, Medium and Low Density	Most accurate, detailed layer available for Vernal Pool Complexes.
Holland vernal pool complexes	vp_hollandp , vp_holland7co		California Department of Fish and Game (CDFG)	Monica Parisi, CDFG, 916-327-8822	No		Layer vp_2000 used instead.
Riparian woodland delineations	westrip		Foothill Associates	Loren Clark, Placer County Planning Department, 530-889-7470	Yes	Large-Patch Ecosystems: Valley Foothill Riparian Woodland	Used to verify that the Land-cover/habitat layer mapped all Valley Foothill Riparian Woodland.
Western Placer Vegetation	westveg		California Department of Fish and Game (CDFG) and California Department of Forestry and Fire Protection (CDF/FRAP)	Larry Clevenger, Placer County Planning Department, 530-889-7470	No		Land-cover/habitat layer used instead.
Central Valley Wetlands and Riparian Vegetation (5 acre mmu)	wet5ac7co , wet5acp		Tim Eisler, Ducks Unlimited (from CDFG)	Tim Eisler, DU, 916-322-1869	Yes	Fresh Emergent Wetlands	Used to make certain that the Land-cover/habitat layer mapped all wetlands.
Central Valley Wetlands and Riparian Vegetation (30m pixels)	wetlands		California Department of Fish and Game (CDFG)	Kari Lewis, CDFG, 916-322-1869	No		Contained significant errors.
Weislander historic vegetation (1949)	wieslander, wiesplac		California Department of Forestry and Fire Protection (CDF/FRAP)	Mark Rosenberg, CDF/FRAP, 916-227-2658	No		Historic vegetation not analyzed in this study.

Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
<b>Species Occurrence Layers</b>							
Anadromous fish reaches in western Placer County	anadromous		Placer County Planning Department	Larry Cleverger, Placer County Planning Department, 530-889-7470	Yes	Special-Status Species	Most specific layer available regarding current distribution of special-status fish in study area.
Sensitive bird observations	birdbw (Placer County), birdbw1 (west Placer), birdbw2 (east Placer), speciesbw1		Brian Williams, Garcia and Associates	Larry Cleverger, Placer County Planning Department, 530-889-7470	Yes	Special-Status Species	Reliable, current sightings of Special-Status Species
Sensitive bird observations post 1995	birdbwa_gt95	Vector reselection by attribute from birdbw	Sierra Biodiversity Institute	Eric Beckwitt	No		Birdbw used instead.
Birding Hotspots (as identified by local birders)	birdep		Placer County Planning Department	Larry Cleverger, Placer County Planning Department, 530-889-7470	No		Layer not species-specific.
Burrowing Owl territories	buow , buow2		Placer County Planning Department	Larry Cleverger, Placer County Planning Department, 530-889-7470	Yes	Special-Status Species	Reliable, current sightings of Special-Status Species
California Academy of Science zoological specimens	calacad		California Academy of Science	Larry Cleverger, Placer County Planning Department, 530-889-7470	No		No post 1990 Special-Status Species locations.
California Spotted Owl territories	caso		California Department of Fish and Game (DFG)	Gordon Gould, CDFG, 916-654-4264	No		Theme does not occur in study area.

Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
California Spotted Owl territories verified post 1995	caso_gl95	Vector reselection by attribute from caso	Sierra Biodiversity Institute	Eric Beckwitt, 530 292 0100	No		Theme does not occur in study area.
Fall Run Chinook Salmon Stream Reaches	chin_fall	Reselected by attribute from layer anadromous	Jones and Stokes Associates, Sacramento, CA	Eric Beckwitt, 530-292-0100	Yes	Special-Status Species	Intermediate coverage used to create layers chin_fallpnt and te.
Point Locations of Fall Run Chinook Salmon Stream Reaches	chin_fallpnt	Nodes in layer chin_fall converted to points in this coverage for incorporation into layer te.	Jones and Stokes Associates, Sacramento, CA	Eric Beckwitt, 530-292-0100	Yes	Special-Status Species	Only available point layer covering Fall Run Chinook Salmon in the study area.
Central Valley Chinook Salmon Evolutionarily Significant Unit (ESU)	chinesu		National Marine Fisheries Service (NMFS)	Steve Stone, NOAA, 503-231-2317	No		Layer tracks habitat, not salmon distribution.
Chinook Salmon Runs	chinook	Vector reselection by attribute from anadromous	Sierra Biodiversity Institute	Eric Beckwitt, 530 292 0100	No		Layer chin_fallpnt used instead.
Fish distributions along stream reaches	fish_tnf		Tahoe National Forest (TNF)	Alan Doerr, TNF, Nevada City office, 530-478-6252	No		Theme does not occur in study area.
Pacific Fisher and Marten Survey, 1989-96	furbpntsa		USFS Redwood Sciences Laboratory	Richard Truex, 707-825-2960	No		No points in study area.
Vertebrate Species Distributions	gapvert		Bob Johnston, UC Davis	Bob Johnston, UCD, 530-752-3015	No		Site-specific, locale matrix of species/habitat relations (Appendix VII) used instead.

Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
Vertebrate Species Distributions	gapvert2		GAP Analysis Project (UCSB, USGS, CDFG)	Frank Davis, UCSB, 805-893-7044	No		Site-specific, locale matrix of species/habitat relations (Appendix VII) used instead.
Goshawk nest groves	goshusfs		USDA Forest Service (USFS)	Brian Schwind, USFS Remote Sensing Lab, 916-454-0805	No		Theme does not occur in study area.
Sensitive reptile and amphibian observations	herpbw (Placer County), herpbw1 (west Placer), herpbw2 (east Placer), speciesbw1		Brian Williams, Garcia and Associates	Larry Clevenger, Placer County Planning Department, 530-889-7470	Yes	Special-Status Species	Reliable, current sightings of Special-Status Species
Historic Chinook Salmon runs	histrun		Sierra Nevada Ecosystem Project		No		Layer not evaluated for use in this study.
Sensitive mammal observations	mammbw (Placer County), mammbw1 (west Placer), mammbw2 (east Placer), speciesbw1		Brian Williams, Garcia and Associates	Larry Clevenger, Placer County Planning Department, 530-889-7470	Yes	Special-Status Species	Reliable, current sightings of Special-Status Species
2001 Natural Diversity Database Points	nddb01		California Department of Fish and Game (CDFG)		No		Layer nddb03 used instead.
2003 Natural Diversity Database Points	nddb03		California Department of Fish and Game (CDFG)		Yes	Special-Status Species	Reliable, current sightings of Special-Status Species

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Natural Diversity Database (NDDB) polygons	nddb7co		California Department of Fish and Game (CDFG)		No		Year 2003 version (nddb03) used instead.
Natural Diversity Database (NDDB) points	nddb7co		California Department of Fish and Game (CDFG)		No		Year 2003 version (nddb03) used instead.
Swainson's Hawk Sightings in 2001	sh2001		Jones and Stokes Associates, Sacramento, CA	John Sterling, 916 737 3000	Yes	Special-Status Species	Intermediate coverage used to create layer te.
Sierra Nevada Goshawk Occurrences	sngpnt		US Forest Service Sierra Nevada Framework		No		Theme does not occur in study area.
Spadefoot Toad location	spadef		Placer County Planning Department	Larry Clevenger, Placer County Planning Department, 530-889-7470	Yes	Special-Status Species	Reliable, current sightings of Special-Status Species
Central Valley Steelhead Evolutionarily Significant Unit (ESU)	steelus		National Marine Fisheries Service (NMFS)	Steve Stone, NOAA, 503-231-2317	No		Layer tracks habitat, not steelhead distribution.
Swainson's Hawk territories and nest sites	swha , swhanest		Placer County Planning Department	Larry Clevenger, Placer County Planning Department, 530-889-7470	Yes	Special-Status Species	Reliable, current sightings of Special-Status Species



Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
Special-Status and HCP Covered Species	te	Created by combining all post 1990 Special-Status species sighting records from birdbw (Placer County), speciesbw1, mammbw (Placer County), mammbw1, herpbw (Placer County), caso, calacad, usfspnt, usfsbird, goshusfs, tnfwllf95_1, fish_tnf, tnffrog, swha	Jones and Stokes Associates, Sacramento, CA	Eric Beckwitt, 530-292-0100	Yes	Special-Status Species	Composite Special-Status Species layer based on all available reliable datasets.
Foothill Yellow-legged Frog locations	tnffrog		Tahoe National Forest (TNF)	Alan Doerr, TNF, Nevada City office, 530-478-6252	Yes	Special-Status Species	Reliable, current sightings of Special-Status Species
Wildlife observations (non-sensitive species)	tnfwllf95_1		Tahoe National Forest (TNF)	Alan Doerr, TNF, Nevada City office, 530-478-6252	No		Layer does not track Special-Status Species
Goshawk, Osprey nest sites	usfsbird		USDA Forest Service (USFS)	Brian Schwind, USFS Remote Sensing Lab, 916-454-0805	No		Theme does not occur in study area.
Deer management areas	usfsdeer		USDA Forest Service (USFS)	Brian Schwind, USFS Remote Sensing Lab, 916-454-0805	No		Not evaluated for use in this project.
Critical plant habitat	usfspnt		USDA Forest Service (USFS)	Brian Schwind, USFS Remote Sensing Lab, 916-454-0805	No		Theme does not occur in study area.

Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
WHR species range maps	WHR code followed by S=summer, W=winter, Y=year-round (see whrspecies/readme.txt)		California Department of Fish and Game (CDFG)	Lora Konde, CDFG, 916/445-5758	No		Site-specific, locale matrix of species/habitat relations (Appendix VII) used instead.
Willow Flycatcher and Great Gray Owl territories	wiflgo		Tahoe National Forest (TNF)	Alan Doerr, TNF, Nevada City office, 530-478-6252	No		No points in study area.
<b>Recreational, Scenic and Cultural Resources</b>							
4-wheel drive trails, Tahoe National Forest	4wdtrails		Tahoe National Forest (TNF)	Alan Doerr, TNF, Nevada City office, 530-478-6252	No		Theme occurs outside study area boundary.
Campgrounds, Tahoe National Forest	campgrnd		Tahoe National Forest (TNF)	Alan Doerr, TNF, Nevada City office, 530-478-6253	No		Theme occurs outside study area boundary.
Historic features	historic		Placer County Planning Department	Larry Cleverger, Placer County Planning Dept., 530-889-7470	No		Theme not evaluated for use in this study.
OHV trails, Tahoe National Forest	ohvtrails		Tahoe National Forest (TNF)	Alan Doerr, TNF, Nevada City office, 530-478-6252	No		Theme occurs outside study area boundary.
Placer County Roads and Streets	placostreets	Vector clip from US Census Bureau Tiger files	ArcData USA		No		Layer camajrds used instead.
Ranger stations, Tahoe National Forest	rangerstations		Tahoe National Forest (TNF)	Alan Doerr, TNF, Nevada City office, 530-478-6252	No		Theme occurs outside study area boundary.

Theme	File name (s)	Theme Derived from and Derivation Process Summary	Source	Contact	Used in Placer Legacy Phase 1 Analysis?	Final Theme Used In	Rationale for inclusion/ exclusion
Hiking Trails, Tahoe National Forest	trailsa		Tahoe National Forest (TNF)	Alan Doerr, TNF, Nevada City office, 530-478-6252	No		Theme occurs outside study area boundary.
Major trailheads	trlheads		Placer County Planning Department	Larry Cleverger, Placer County Planning Dept., 530-889-7470	No		Not relevant to this study.
Forest Service roads and trails	usfsroad		USDA Forest Service (USFS)	Brian Schwind, USFS Remote Sensing Lab, 916-454-0805	No		Theme occurs outside study area boundary.
Wild and Scenic Rivers	wsrr		USDA Forest Service (USFS)	Brian Schwind, USFS Remote Sensing Lab, 916-454-0805	No		Not relevant to this study.
Wild River designation, N. Fork American River	wsrr_tnf		Tahoe National Forest (TNF)	Alan Doerr, TNF, Nevada City office, 530-478-6252	No		Theme occurs outside study area boundary.