

Appendix IX

**Validation Process for Selected Data Themes
used for the Phase I NCCP/HCP Planning Area**



APPENDIX IX.

Validation Process for Selected Data Themes used for the Phase I NCCP/HCP Planning Area

Theme	File name (s)	Office Validation Process	Field Validation Process	Update/Correction Process
Anadromous fish reaches in western Placer County	anadromous	None.	None.	None.
Sensitive bird observations	birdbw (Placer County), birdbw1 (west Placer), birdbw2 (east Placer), speciesbw1	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	None.
Burrowing Owl territories	buow , buow2	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	None.
California Cities	cabgicities	Checked against other standard digital road layers by simple graphic overlay .	None.	None.
Watershed boundaries (Calwater 2.2)	calwater22 , shedplacer	Checked against all other digital watershed layers.	None.	None.
Highways and Major Roads	camajrds	Checked against other standard digital road layers by simple graphic overlay .	None.	None.
Fall Run Chinook Salmon Stream Reaches	chin_fall	None.	None.	None.
Point Locations of Fall Run Chinook Salmon Stream Reaches	chin_fallpnt	None.	None.	None.
30m DEM	dem_feet, dem_meters	None.	None.	None.
Geographic locations	geonanamea	None.	None.	None.
Sensitive reptile and amphibian observations	herpbw (Placer County), herpbw1 (west Placer), herpbw2 (east Placer), speciesbw1	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	None.
Lakes and Reservoirs	hydrpola	None.	None.	None.

Theme	File name (s)	Office Validation Process	Field Validation Process	Update/Correction Process
Land-cover/Habitat Types	landcov	Entire layer printed on mylar as series of 1:9600 scale overlays following completion of original mapping. Mylars overlaid over original photos to verify spatial accuracy of polygon boundaries and polygon attribution.	Land-cover/habitat type maps were created for each watershed. Field crews consisting of botanists/plant ecologists reviewed a random sample of at 3-5 points per watershed within 100 feet of public roads. Any error polygon attribution was noted on the wate	All known errors in attribution were corrected, and polygon boundaries updated, by overlaying the existing layer over digital aerial photos in the GIS environment, and directly editing the GIS coverage.
Sensitive mammal observations	mammbw (Placer County), mammbw1 (west Placer), mammbw2 (east Placer, speciesbw1	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	None.
Mehrten volcanic mudflow areas	mehrten	Checked against 1:24,000 Mehrten Formation Maps digitized by the CA Department of Fish and Game.	All polygons inspected from public roads and aerial photos.	Original field verified layer replaced with more extensive and precise layer derived from 1:24,000 USDA Soil Conservation Service mapping.
2003 Natural Diversity Database Points	nddb03	None. All points assumed reliable.	None.	None.
30m hillshade model (Placer County + surrounding counties)	neushade24	None.	None.	None.
Soil survey geographic (SSURGO) database	nrcssoil	None.	None.	None.

Theme	File name (s)	Office Validation Process	Field Validation Process	Update/Correction Process
National Wetlands Inventory	nwiplacer	GIS overlay analysis was used to determine if the layer mapped any wetlands missed by the Land-cover/Habitat Type mapping process. No missed polygons were found.	Final wetlands layer created using this layer and the Land-cover/Habitat Type maps. Wetland maps were created for each watershed and verified by sampling polygons from public roads, viewing wetlands from hills and prominent locations, and using watershed	No significant errors found in field process.
Government Ownership	ownership , ownplacer	None.	None.	None.
Final HCP Phase 1 Subbasins	p1sheditd	Checked against all other digital watershed layers and contours derived from 30 meter digital elevation models (DEMs).	None.	None.
Final Phase 1 Area Aggregate Watersheds	p1sheds	Checked against all other digital watershed layers and contours derived from 30 meter digital elevation models (DEMs).	None.	Boundaries adjusted to associate first and second order perennial streams and canyon segments with the logical adjacent aggregation.
Watershed Boundaries as Surveyed in Phase 1 Field Review	p1surveysheds	Checked against all other digital watershed layers and contours derived from 30 meter digital elevation models (DEMs).	None.	None.
Placer County boundary	placerc	Checked against State of California Teale Data Center County Boundaries.	None.	None.
Placer County Boundary	placo	Checked against State of California Teale Data Center County Boundaries.	None.	None.
One hundred Foot Elevation Contours, Placer County	placont100	None.	None.	None.
Twenty-five foot elevation contours, Placer County	placont25	None.	None.	None.
Placer County PublicParcels	pubparc	None.	None.	None.
AirPhoto USA Photomosaic	pX-X.jpg in ./photos subdirectory	None.	None.	None.
Roads	roads , roads7co	None.	None.	None.
Serpentine Soils	serp	None.	All polygons inspected from public roads and aerial photos.	One outlying polygon near Roseville deleted.
Swainson's Hawk Sightings in 2001	sh2001	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	New sightings added to layer te (see above).

Theme	File name (s)	Office Validation Process	Field Validation Process	Update/Correction Process
Spadefoot Toad location	spadef	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	None.
Rivers and Streams	streams100k	None.	None.	None.
Western Placer subwatershed boundaries	subsheds	None.	None.	None.
Swainson's Hawk territories and nest sites	swha , swhanest	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	None.
Special-Status and HCP Covered Species	te	All sightings were checked against formal records maintained by state and federal agencies, universities, and private biological consulting firms. Occurrences not supported by formal records or tracable to sightings by reliable, professional biologists we	Maps of HCP covered species occurrences were created for each watershed. The maps contained the specific location of each species sighting. Biologists familiar with the habitat requirements of each species made a determination, based on field review and e	Points added and deleted based on field validation process, consultation with other agencies and professional biologists. Many additional sightings added to the layer based on new occurrences documented by Jones and Stokes Associates biologists.
Foothill Yellow-legged Frog locations	tnffrog	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	Validated as part of Special-Status and HCP Covered Species (see discussion for layer te).	One new sighting added.
Vernal Pool Complexes	vp_2003	None in this study. Validation by North Fork Associates relied on as sufficient.	None in this study. Validation by North Fork Associates relied on as sufficient.	None.
Riparian woodland delineations	westrip	GIS overlay analysis was used to determine if the layer mapped any riparian woodland missed by the Land-cover/Habitat Type mapping process. Several small polygons were found, verified on the aerial photos, and incorporated in the land cover layer.	Riparian woodland polygons were field checked as part of Land-cover/habitat maps.	Riparian woodland polygons missed in the Land-cover/habitat mapping were added to this layer.

Theme	File name (s)	Office Validation Process	Field Validation Process	Update/Correction Process
Central Valley Wetlands and Riparian Vegetation (5 acre mmu)	wet5ac7co , wet5acp	GIS overlay analysis was used to determine if the layer mapped any wetlands missed by the Land-cover/Habitat Type mapping process. No missed polygons were found.	Final wetlands layer created using this layer and the Land-cover/Habitat Type maps. Wetland maps were created for each watershed and verified by sampling polygons from public roads, viewing wetlands from hills and prominent locations, and using watershed	No significant errors found in field process.