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## Calveg/CWHR Xwalk

The Classification and Assessment with Landsat of Visible Ecological Groupings (Calveg) crosswalk to the California Wildlife Habitat Relationships System (CWHR).

\* Modified by RSL for lifeform where indicated.

\*\* Default category for past mapping projects.

Calveg Type	CV Code	Calveg Zone *	CWHR Description	CWHR Code
Agriculture	AG	All	Cropland **	CRP
Alkaline Flats	AK	All	Barren	BAR
Alkaline Mixed Grasses/Forbs	HA	All	Alkali Desert Scrub	ASC
Alkaline Mixed Scrub	NA	All	Alkali Desert Scrub	ASC
Alluvial Fan Sage Scrub	RS	All	Desert Wash	DSW
Alpine Grasses/Forbs	AC	All	Alpine Dwarf Shrub	ADS
Alpine Mixed Scrub	AX	All	Alpine Dwarf Shrub	ADS
Annual Grasses/Forbs	HG	All	Annual Grass	AGS
Arrowweed	DE	All	Desert Riparian (modified)	DRI
Baccharis (riparian)	ML	All	Desert Riparian (modified)	DRI
Baker Cypress	MO	All	Closed Cone Pine - Cypress	CPC
Barren	BA	All	Barren	BAR
Basin Mixed Scrub	BQ	All	Sagebrush	SGB
Basin Sagebrush	BS	All	Sagebrush	SGB
Basin Transition (Desert) Scrub	BZ	All	Sagebrush	SGB
Big Basin Sagebrush	TT	All	Sagebrush	SGB
Big Tree (Giant Sequoia)	BT	All	Sierran Mixed Conifer	SMC
Bigcone Douglas-fir	DM	All	Montane Hardwood - Conifer	MHC

Bigleaf Maple	QM	All	Montane Riparian	MRI
Birchleaf Mountain Mahogany	WM	All	Mixed Chaparral	MCH
Bishop Pine	PM	All	Closed Cone Pine - Cypress	CPC
Bitterbrush	BB	All	Bitterbrush	BBR
Bitterbrush - Sagebrush	TB	All	Bitterbrush	BBR
Black Cottonwood	QX	All	Montane Riparian	MRI
Black Sagebrush	TN	All	Low Sage	LSG
Black Walnut	QV	All	Valley Oak Woodland	VOW
Blackbush	DA	All	Desert Scrub	DSC
Bladderpod	SI	All	Mixed Chaparral	MCH
Blue Oak	QD	All	Blue Oak Woodland	BOW
Blueblossom Ceanothus	SC	All	Coastal Scrub	CSC
Brewer Oak	CJ	All	Montane Chaparral	MCP
Brewer Spruce	PB	All	Klamath Mixed Conifer	KMC
Bristlecone Pine	BP	All	Subalpine Conifer	SCN
Bush Chinquapin	CP	All	Montane Chaparral	MCP
California Bay	QB	All	Coastal Oak Woodland	COW
California Black Oak	QK	All	Montane Hardwood	MHW
California Buckeye	QI	All	Montane Hardwood	MHW
California Buckwheat	SB	All	Mixed Chaparral	MCH
California Juniper (shrub)	JC	All	Juniper (modified)	JUN
California Juniper (tree)	JT	All	Juniper	JUN
California Sagebrush	SS	All	Coastal Scrub	CSC
California Sycamore	QP	All	Valley Foothill Riparian	VRI
Canyon Live Oak	QC	All	Montane Hardwood	MHW
Catclaw Acacia	UL	All	Desert Wash	DSW

Ceanothus Chaparral	CC	All	Mixed Chaparral	MCH
Chamise	CA	All	Chamise - Redshank Chaparral	CRC
Chaparral Yucca	SY	All	Mixed Chaparral	MCH
Cheesebush (Burrobush)	HS	All	Desert Scrub	DSC
Cholla	DC	All	Desert Succulent Scrub	DSS
Coast Live Oak	QA	All	Coastal Oak Woodland	COW
Coastal Bluff Scrub	SH	All	Coastal Scrub	CSC
Coastal Cactus	SO	All	Coastal Scrub	CSC
Coastal Lupine	SL	All	Coastal Scrub	CSC
Coastal Mixed Hardwood	EX	All	Coastal Oak Woodland	COW
Cottonwood-Alder	QJ	All	Montane Riparian	MRI
Coulter Pine	PC	All	Montane Hardwood - Conifer	MHC
Coyote Brush	CK	1, 6, 7	Coastal Scrub	CSC
Coyote Brush	CK	2, 3, 4, 5, 8, 9	Mixed Chaparral	MCH
Creosote Bush	DL	All	Desert Scrub	DSC
Croton	DD	All	Desert Wash	DSW
Curleaf Mountain Mahogany (shrub form)	BM	All	Sagebrush	SGB
Curleaf Mountain Mahogany (tree form)	FM	All	Sagebrush (modified)	SGB
Cuyamaca Cypress	MC	All	Closed Cone Pine - Cypress	CPC
Deerbrush	CI	All	Montane Chaparral	MCP
Desert - Montane Chaparral Shrub	BX	All	Montane Chaparral	MCP
Desert Buckwheat	DB	All	Desert Scrub	DSC
Desert Ironwood	UI	All	Desert Wash (modified)	DSW
Desert Willow	UD	All	Desert Riparian	DRI
Dogwood	WD	All	Montane Riparian	MRI

Douglas-fir-Grand Fir	DG	All	Douglas-Fir	DFR
Douglas-fir-Ponderosa Pine	DP	All	Douglas-Fir	DFR
Douglas-fir-White Fir	DW	All	Douglas-Fir	DFR
Dune	DU	All	Barren	BAR
Eastside Pine	EP	All	Eastside Pine	EPN
Elephant Tree	ET	All	Desert Scrub	DSC
Encelia Scrub	SE	All	Desert Scrub	DSC
Engelmann Oak	QN	All	Coastal Oak Woodland	COW
Engelmann Spruce	EA	All	Klamath Mixed Conifer	KMC
Ephedra (Mormon Tea)	FD	All	Desert Scrub	DSC
Eucalyptus	QZ	All	Eucalyptus	EUC
Fan Palm	UW	All	Palm Oasis	POS
Fourneedle Pinyon Pine	PQ	All	Pinyon - Juniper	PJN
Foxtail Pine	FP	All	Subalpine Conifer	SCN
Fremont Cottonwood	QF	All	Montane Riparian	MRI
General Barren	BA	All	Barren	BAR
Giant Reed/Pampas Grass	IA	All	Valley Foothill Riparian (modified)	VRI
Gowen Cypress	MG	All	Closed Cone Pine - Cypress	CPC
Grand Fir	GF	All	Redwood	RDW
Gray Pine	PD	All	Blue Oak - Foothill Pine	BOP
Greasewood	BG	All	Alkali Desert Scrub	ASC
Greenleaf Manzanita	CG	All	Montane Chaparral	MCP
Horsebrush (Cottonthorn)	TM	All	Desert Scrub	DSC
Huckleberry Oak	CH	All	Montane Chaparral	MCP
Incense-Cedar	MD	All	Sierran Mixed Conifer	SMC
Indigo Bush	DI	All	Desert Wash	DSW

Interior Live Oak	QW	All	Montane Hardwood	MHW
Interior Mixed Hardwood	NX	All	Montane Hardwood	MHW
Jeffrey Pine	JP	All	Jeffrey Pine	JPN
Joshua Tree	UJ	All	Joshua Tree	JST
Klamath Mixed Conifer	MK	All	Klamath Mixed Conifer	KMC
Knobcone Pine	KP	All	Closed Cone Pine - Cypress	CPC
Limber Pine	PL	All	Subalpine Conifer	SCN
Littleleaf Mountain Mahogany	BI	All	Sagebrush	SGB
Live Oak-Madrone	Q1	All	Coastal Oak Woodland	COW
Lodgepole Pine	LP	All	Lodgepole Pine	LPN
Low Sagebrush	BL	All	Low Sage	LSG
Lower Montane Mixed Chaparral	CQ	All	Mixed Chaparral	MCH
Manzanita Chaparral	SD	All	Mixed Chaparral	MCH
McNab Cypress	MN	All	Closed Cone Pine - Cypress	CPC
Mendocino Manzanita	AN	All	Coastal Scrub	CSC
Mesquite	UM	All	Desert Riparian	DRI
Mixed Conifer - Fir	MF	1	Klamath Mixed Conifer	KMC
Mixed Conifer - Fir	MF	2, 3, 4, 5, 6, 7, 8, 9	Sierran Mixed Conifer	SMC
Mixed Conifer - Pine	MP	1	Klamath Mixed Conifer	KMC
Mixed Conifer - Pine	MP	7	Jeffrey Pine	JPN
Mixed Conifer - Pine	MP	2, 3, 4, 5, 6, 8, 9	Sierran Mixed Conifer	SMC
Mixed Conifer - Giant Sequoia	MB	All	Sierran Mixed Conifer	SMC
Mixed Desert Scrub	DX	All	Desert Scrub	DSC
Mixed Desert Succulent	DV	All	Desert Succulent Scrub	DSS

Mixed Desert Wash Scrub	NB	All	Desert Wash	DSW
Mixed High Desert Scrub	NQ	All	Desert Scrub	DSC
Mixed Riparian Hardwood	NR	All	Montane Riparian	MRI
Mixed Soft Scrub-Chaparral	SQ	All	Coastal Scrub	CSC
Montane Mixed Hardwood	TX	All	Montane Hardwood	MHW
Monterey Cypress	MM	All	Closed Cone Pine - Cypress	CPC
Monterey Pine	PR	All	Closed Cone Pine - Cypress	CPC
Mountain Alder	TA	All	Montane Riparian	MRI
Mountain Hemlock	MH	All	Subalpine Conifer	SCN
Mountain Misery	CE	All	Montane Chaparral	MCP
Mountain Sagebrush	TV	All	Sagebrush	SGB
Mountain Whitethorn	CY	All	Montane Chaparral	MCP
Non-native/Ornamental and Invasive Shrub	IS	All	Urban	URB
Non-native/Ornamental Conifer	IC	All	Urban	URB
Non-native/Ornamental Con/Hwd Mixture	IM	All	Urban	URB
Non-native/Ornamental Grass	IG	All	Urban	URB
Non-native/Ornamental Hardwood	IH	All	Urban	URB
North Coastal Mixed Shrub	NC	All	Coastal Scrub	CSC
Yucca	DO	All	Desert Succulent Scrub	DSS
Oregon White Oak	QG	All	Montane Hardwood	MHW

Pacific Douglas-fir	DF	All	Douglas-Fir	DFR
Pacific Madrone	QH	All	Coastal Oak Woodland	COW
Palo Verde	UP	All	Desert Wash (modified)	DSW
Perennial Grasses/Forbs	HM	All	Perennial Grass	PGS
Pickleweed-Cordgrass	HC	All	Saline Emergent Wetland	SEW
Pinemat Manzanita	CN	All	Montane Chaparral	MCP
Piute Cypress	MI	All	Closed Cone Pine - Cypress	CPC
Ponderosa Pine	PP	All	Ponderosa Pine	PPN
Ponderosa Pine-White Fir	PW	All	Sierran Mixed Conifer	SMC
Port Orford-Cedar	PO	All	Klamath Mixed Conifer	KMC
Pygmy Cypress	MY	All	Closed Cone Pine - Cypress	CPC
Quaking Aspen	QQ	All	Aspen	ASP
Rabbitbrush	BR	All	Bitterbrush	BBR
Red Alder	QR	All	Montane Riparian	MRI
Red Fir	RF	All	Red Fir	RFR
Red Shanks Chaparral	CR	All	Chamise - Redshank Chaparral	CRC
Redwood	RW	All	Redwood	RDW
Redwood-Douglas-Fir	RD	All	Redwood	RDW
Riparian Mixed Shrub	NM	All	Montane Riparian (modified)	MRI
Rothrock Sagebrush	TR	All	Alpine Dwarf Shrub	ADS
Sage (Salvia sp.)	SP	All	Coastal Scrub	CSC
Salal-California Huckleberry Shrub	CB	All	Coastal Scrub	CSC
Saltbush	BC	All	Alkali Desert Scrub	ASC
Santa Cruz Cypress	MZ	All	Closed Cone Pine - Cypress	CPC
Santa Lucia Fir	AB	All	Montane Hardwood - Conifer	MHC

Sargent Cypress	MS	All	Closed Cone Pine - Cypress	CPC
Scalebroom	LS	All	Desert Wash	DSW
Scrub Oak	CS	All	Mixed Chaparral	MCH
Semi-Desert Chaparral	CZ	All	Mixed Chaparral	MCH
Shadescale	DS	All	Alkali Desert Scrub	ASC
Shore Pine	PS	All	Closed Cone Pine - Cypress	CPC
Singleleaf Pinyon Pine	PJ	All	Pinyon - Juniper	PJN
Sitka Spruce	SK	All	Douglas-Fir	DFR
Sitka Spruce-Grand Fir	SG	All	Redwood	RDW
Sitka Spruce-Redwood	SR	All	Redwood	RDW
Smoke Tree	UX	All	Desert Wash (modified)	DSW
Snow/Ice	SN	All	Barren	BAR
Snowberry	TS	All	Montane Chaparral	MCP
Snowbrush	CV	All	Montane Chaparral	MCP
Southern Mixed Chaparral	CD	All	Mixed Chaparral	MCH
Spiny Mendora	DJ	All	Desert Scrub	DSC
Subalpine Conifers	SA	All	Subalpine Conifer	SCN
Sumac Shrub	SM	All	Mixed Chaparral	MCH
Tamarisk	UT	All	Desert Riparian	DRI
Tanoak	QT	All	Montane Hardwood	MHW
Tecate Cypress	MT	All	Closed Cone Pine - Cypress	CPC
Torrey Pine	PT	All	Closed Cone Pine - Cypress	CPC
Tree Chinquapin	TC	All	Montane Hardwood	MHW
Tucker- Miller Scrub Oak	CT	All	Mixed Chaparral	MCH
Tule-Cattail	HT	All	Fresh Emergent Wetland	FEW
Ultramafic Mixed Conifer	MU	1	Klamath Mixed Conifer	KMC



Ultramafic Mixed Conifer	MU	2, 3, 4, 5, 6, 7, 8, 9	Sierran Mixed Conifer	SMC
Ultramafic Mixed Shrub	C1	All	Mixed Chaparral	MCH
Unknown Conifer	XC	All	(no crosswalk)	ZZ
Unknown Grass/Forbs	XG	All	Annual Grass	AGS
Unknown Hardwood	XH	All	(no crosswalk)	ZZ
Unknown Non-vegetated	XZ	All	Barren	BAR
Unknown Shrub	XS	All	(no crosswalk)	ZZ
Unknown Urban/Non-native Vegetation	XI	All	Urban	URB
Unknown Wet Grasses/Forbs	XJ	All	Wet Meadow	WTM
Upper Montane Mixed Chaparral	CX	All	Montane Chaparral	MCP
Upper Montane Mixed Shrub	CM	All	Montane Chaparral	MCP
Urban	UB	All	Urban	URB
Utah Juniper	JU	All	Juniper	JUN
Valley Oak	QL	All	Valley Oak Woodland	VOW
Washoe Pine	WP	All	Eastside Pine	EPN
Water	WA	All	Lacustrine **	LAC
Water Birch	FO	All	Desert Riparian (modified)	DRI
Wedgeleaf Ceanothus	CL	All	Mixed Chaparral	MCH
Western Juniper	WJ	All	Juniper	JUN
Western White Pine	WW	All	Subalpine Conifer	SCN
Wet Grass/Forbs	HJ	All	Wet Meadow	WTM
White Alder	QE	All	Montane Riparian	MRI
White Bursage	AD	All	Desert Scrub	DSC
White Fir	WF	All	White Fir	WFR
Whitebark Pine	WB	All	Subalpine Conifer	SCN
Whiteleaf Manzanita	CW	All	Mixed Chaparral	MCH

Willow	QO	All	Montane Riparian	MRI
Willow (riparian scrub)	WL	All	Montane Riparian (modified)	MRI
Willow-Alder	QY	All	Montane Riparian	MRI
Willow-Aspen	QS	All	Montane Riparian	MRI
Wyoming Sagebrush	TW	All	Sagebrush	SGB

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