Special-Status Species/ Common Name	Listing Status Federal/ State	USFWS/ DFG Other Codes <sup>b</sup>	Source	Habitat Requirements	Potential to Occur in the Project Study Area?
Spea hanmondii Western spadefoot toad				Occurs primarily in grasslands, but occasionally occurs in valley-foothill hardwood woodlands (Zeiner et al. 1988). Primarily found in the lowlands frequenting washes, floodplains of rivers, alluvial fans, playas, and alkali flats. Also ranges into foothills and mountains. Prefers areas of open vegetation and short grasses with sandy or gravelly soil (Stebbins 2003). Primarily breeds in areas of shallow, temporary pools that form during winter rains, such as vernal pools (Zeiner 1988). Also breeds in quiet streams (Stebbins 2003).	No, there is no suitable habitat for this species in the PSA.
Reptiles					
Clemmys marmorata marmorata Northwestem pond turtle	-/-	SC/ CSC	_	Prefers aquatic habitats with abundant vegetative cover and exposed basking sites such as logs. They are associated with permanent or nearly permanent water in a wide variety of habitat types, normally in ponds, lakes, streams, irrigation ditches or permanent pools along intermittent streams (Zeiner et al. 1988).	No, there is no suitable habitat in the PSA.
Phrynosoma coronatum frontale California horned lizard	-/-	SC/CSC	1, 2, 3	Prefers sandy washes, flood plains and eolian deposits in valley-foothill hardwood, conifer, juniper, and annual grassland habitats. Needs loose soil for cover and reproduction. Range includes the coast ranges from Sonoma Co. to Mexico, and the Central Valley and Sierra foothills south of Tehama Co. Found chiefly below 600 m in the northern end of its range and 900 m in the south (Zeiner et al. 1988).	Yes, see text.
Thanunophis gigas Giant garter snake	T/T	1	_	Habitat requisites consist of 1) adequate water during the snake's active season (early spring through mid-fall) to provide food and cover, 2) emergent, herbaccous wetland vegetation, such as cattails and bulrushes, for escape cover and foraging habitat during the active season, 3) grassy banks and openings in waterside vegetation for basking; and 4) higher elevation uplands for cover and refuge from flood waters during the snake's winter dormant season (Stebbins 1985).	No, there is no suitable habitat in the PSA. The PSA is outside the range of this species.
Birds					
Agelaius tricolor Tricolored blackbird	/	SC/ CSC	-	Forages on ground in cropland, grassland, and on pond edges. Nests near freshwater, preferably in emergent marsh of dense cattails or tules, but also in thickets of willow, blackberry, and wild rose. Highly colonial, nesting area must be large enough to support a minimum colony of about 50 pairs (Zeiner et al. 1990a).	No, there is no suitable habitat in the PSA.
Athene cunicularia Burrowing owl	-/-	SC/ CSC	-	Forages day and night in open, dry grassland and desert habitats, and in grass, forb, and open shrub stages of pinyon-juniper and ponderosa pine habitats. Nests in old burrows of ground squirrels or other small manmals (Zeiner et al. 1990a).	No, there is no suitable habitat in the PSA.
Buteo swainsoni Swainson's hawk	_/ T	SC/	1	Breeds in stands with few trees in juniper-sage flats, riparian areas, and in oak savannah in the Central Valley. Forages in adjacent grasslands, grain or alfalfa fields, or livestock pastures. (Zeiner et al. 1990a).	No, there is no suitable habitat in the PSA.
Chaetura vauxi Vaux's swift	/	SC/CSC	-	Prefers redwood and Douglas-fir habitats with nest-sites in large hollow trees and snags (Zeiner et al. 1990a)	No, there is no suitable habitat in the PSA.

Special-Status Species/ Common Name	Listing Status Federal/ State	USFWS/ DFG Other Codes b	Source	Habitat Requirements	Potential to Occur in the Project Study Area?
Cypseloides niger Black swift	-/-	SC/ CSC	-	Breeds in the Sierra Nevada, Cascade Range, and on central coast. Nests in moist crevice or cave on sea cliffs above the surf, or on cliffs behind or adjacent to waterfalls in deep canyons. Does not overwinter in California (Zeiner et al. 1990a).	No, there is no suitable habitat in the PSA.
Elanus leucurus White-tailed kite	/	SC/FP	_	Occurs in coastal and valley lowlands in agricultural areas, and in herbaceous and open stages of most habitats. Nests in groves of dense, broad-leafed deciduous trees (Zeiner et al 1990a).	No, there is no suitable habitat in the PSA.
Empidonax traillii brewsteri Little willow flycatcher	/	/2S	_	Found in wet meadow and montane riparian habitats of the Sierra Nevada and Cascade Ranges. Prefers open river valleys or large meadows with dense willow thickets close to ground. Occurs in willow thickets from 600-2500 m in elevation (Zeiner et al. 1990a).	No, there is no suitable habitat in the PSA. The PSA is outside the range of this species.
Falco peregrinus anatum American peregrine falcon	/	SC/FP	_	Riparian areas, coastal and inland wetlands are important habitats year- long, especially in the non-breeding season. Usually feeds near water on birds up to duck-size, occasionally eats mammals, insects, and fish. Nests in woodland, forest, and coastal habitats on high cliffs, banks, dunes, or mounds. Will also nest on man-made structures and occasionally uses tree or snag cavities or old nests of other raptors (Zeiner et al. 1990a).	No, there is no suitable habitat in the PSA.
Haliaeetus leucocephalus Bald eagle	T/E	—/ FP	-	Occurs along coasts, rivers, and large, deep lakes and reservoirs inland. Requires large, stoutly limbed trees, snags, broken topped trees, or high rock ledges for perches (Zeiner et al. 1990a).	No, there is no suitable habitat in the PSA.
Lanius ludovicianus Loggerhead shrike	/	SC/ CSC	_	Resident in lowlands and foothills. Prefers open grasslands or scrub with shrubs or trees and low, sparse herbaceous cover with perches available (fences, posts, utility lines). Nests in a densely-foliaged shrub or tree (Zeiner et al. 1990a).	No, there are no grasslands or open herbaceous areas in or near the PSA to serve as foraging habitat.
Numenius americanus Long-billed curlew	/	SC/ CSC	_	Prefers upland shortgrass prairies, wet meadows, coastal estuaries, and open grasslands (Zeiner et al. 1990a)	No, there is no suitable habitat in the PSA.
Riparia riparia Bank swallow	-/ T	/SS	-	Restricted to riparian areas with vertical cliffs and banks with fine-textured or sandy soil. The bank swallow digs nest holes into the banks, usually in colonies. The majority of the breeding population in California nests along Central Valley streams and the Sacramento River where meanders and vegetation are relatively undisturbed (Zeiner et al. 1990a).	No, there is no suitable habitat in the PSA.
Mammals					
Euderma maculatum Spotted bat	/	SC/CSC	-	Found at a small number of localities, mostly in foothills, mountains, and desert regions of southern CA. Cliffs provide optimal roosting habitat (Zeiner et al 1990b).	No, there is no suitable habitat in the PSA.
Eumops perotis californicus Greater western mastiff-bat	/	SC/CSC	-	Occurs in many open, semi-arid to arid habitats, including deciduous woodlands, grasslands, and industrial areas. Requires crevices in cliff faces, high buildings, trees, and tunnels for roosting (Zeiner et al. 1990b)	No, there is no suitable habitat in the PSA.

68ac-Cameron Park-04075-BioWet\_4 doc 4/28/2005

Special-Status Species/ Common Name	Listing Status Federal/ State	USFWS/ DFG Other Codes b	Source	Habitat Requirements	Potential to Occur in the Project Study Area?
Gulo gulo luteus California wolverine	T/-	SC/ FP	-	A scarce resident of North Coast mountains and Sierra Nevada. In north coastal areas, habitat consists of Douglas fir and mixed conifer habitats. The elevation range in the north coast is 1,600-4,800 ft. In the northerm Sierras, habitat consists of mixed conifer, red fir, and lodgepole habitats. The elevation range in northern Sierras is 4,300-7,300 ft. In the southern Sierras, habitats consist of red fir, mixed conifer, lodgepole pine, subalpine conifer, alpine dwarf-shrub, barren, wet meadows, montane chaparral, and Jeffery Pine. The elevation range in southern Sierras is 6,400-10,800 ft (Zeifery Pine, et al. 190b).	No, there is no suitable habitat in the PSA. The PSA is outside the range of this species.
Martes pennanti Fisher	-/2	CSC	_	Permanent resident of Sierra Nevada, Cascades, Klamath Mountains, and higher elevations of the North Coast Range. Prefers coniferous or deciduous riparian habitats with intermediate to large trees and closed canopies. Dens in tree/ log cavities and brush piles. Active yearlong, mostly nocturnal. Young born February through May (Zeiner 1990b).	No, there is no suitable habitat in the PSA. The PSA is outside the range of this species.
Vulpes vulpes necaior Sierra Nevada red fox	T /	SC/ CSC	_	Found in the Cascades, in Siskiyou Co., and from Lassen Co. south to Tulare Co. Found in a variety of populations including, alpine dwarf-shrub, wet meadow, subalpine conifer, lodgepole pine, red fir, aspen, montane chaparral, montane riparian, mixed conifer, and ponderosa pine. Most sightings occur in the Sierras above 7,000 ft, ranging from 3,900-11,900 ft (Zeiner et al 1990b).	No, there is no suitable habitat in the PSA. The PSA is outside the range of this species.
Natural Communities					
Gabbroic Northern Mixed Chaparral	/	-/-	3	Mixed chaparral dominated by Adenostoma fasciculatum. Edaphically restricted to ultramafic gabbros, usually on xeric exposures. Occurs on Rescue soils of western El Dorado County (Holland 1986).	Yes, see lext.
Red Willow Riparian Forest	/	/	3	A riparian forest dominated by Salix laevigata.	Yes, see text.
Plants		USFWS/ CNPS b			
Botrychium lineare Slender moonwort	/J	C/ 1B	_	A perennial herb found in upper montane coniferous forest at about 8,400 ft in elevation. Unknown when fertile. Only known California occurrence is near Piute Pass (CNPS 2001).	No, there is no suitable habitat in the PSA. The PSA is outside the range of this species.
Calystegia stebbinsii Stebbins' morning-glory	E/E	-/ 1B	1, 2, 3	A perennial rhizomatous herb found in serpentine or gabbroic soils in chaparral openings and cismontane woodland from 600 to 2,400 ft elevation. Known from El Dorado and Nevada Counties. Blooms April through July (CNPS 2001).	Yes, see text.
Ceanothus roderickii Pinc Hill Ceanothus	E/R	-/ IB	1, 2, 3	Evergreen shrub found in serpentine or gabbroic soils in chaparral and cismontane woodland from 850 to 2,100 ft elevation. Known from El Dorado County. Blooms May through June (CNPS 2001).	Yes, see lext.
Chlorogalum grandiflorum Red Hills soaproot	/	SC/IB	1, 2, 3	Perennial bulbiferous herb found in serpentine or gabbroic soils in chaparral, cismontane woodland, and lower montane coniferous forest from 800 to 3,300 ft. Blooms May through June (CNPS 2001).	Yes, see lext.

Special-Status Species/ Common Name	Listing Status Federal/ State	USFWS/ CNPS B	Source	Habitat Requirements	Potential to Occur in the Project Study Area?
Fremontodendron californicum Ssp. decumbens Pine Hill flannelbush	E/R	-/ IB	1, 2	Evergreen shrub found in rocky areas of serpentine or gabbroic soils in chaparral and cismontane woodland from 1,400 to 2,500 ft elevation. Known from El Dorado and Nevada Counties. Blooms April through July (CNPS 2001).	Yes, see lext.
Galium californicum ssp. sierrae El Dorado bedstraw	E/R	/ 1B	1, 2	Perennial herb found in gabbroic soils in chaparral, cismontane woodland, and lower montane coniferous forest from 300 to 1,900 ft elevation. Known from El Dorado County. Blooms May through June (CNPS 2001).	Yes, see text
Helianthemum suffrutescens Amador (Bisbee Peak) rush-rose	/	SLC/3	1, 2, 3	Evergreen shrub found in chaparral from 150 to 2,750 ft elevation. Often found on serpentine, gabbroic or Ione soils. Blooms April through June (CNPS 2001).	Yes, see text.
Rorippa subumbellata Tahoe yellow cress	C/E	C/ 1B	-	Perennial herb found in decomposed granitic beaches of lower montane coniferous forest and meadows and seeps from 6,200 to 6,250 ft in elevation. Known only from Lake Tahoe area. Blooms May through September (CNPS 2001)	No, there is no suitable habitat in the PSA. The PSA is outside the range of this species.
Senecio layneae Layne's butterweed (ragwort)	T/R	/ 1B	1, 2	Perennial herb found in rocky areas with serpentine or gabbroic soils in chaparral and cismontane woodland from 650 to 3,300 ft elevation. Known from El Dorado, Tuolomne, and Yuba Counties. Blooms April through July (CNPS 2001).	Yes, see lext.
Wyethia reticulata El Dorado County mule ears	/	SC/IB	1, 2, 3	Perennial rhizomatous herb found in clay or gabbroic soils in chaparral, cismontane woodland, and lower montane coniferous forest from 600 to 2,050 ft elevation. Known from El Dorado County. Blooms May through July (Ayres and Ryan 1999, CNPS 2001).	Yes, see lext.

# "Listing Status

Federal status determined from USFWS letter. State status determined from DFG (2004b,c). Codes used in table are: E = Endangered; T = Threatened; P = Proposed; C = Candidate; R = California Rare; \* = Possibly extinct.

# Other Codes

Other codes determined from USFWS letter; DFG (2004b and 2004a); and CNPS (2001). Codes used in table are as follows:

SC = USFWS Species of Concern: Taxa for which existing information may warrant listing but for which substantial biological information to support a proposed rule is lacking. SLC= Species of local or regional concern or conservation significance. An informal term used by some but not all U.S. Fish & Wildlife Service offices.

CSC = DFG Species of Special Concem; FP = DFG Fully Protected; Prot = DFG Protected

CNPS List (plants only): 1A = Presumed Extinct in CA; 1B = Rare or Endangered (R/E) in CA and elsewhere; 2 = R/E in CA and more common elsewhere; 3 = Need more information; 4 = Plants of limited distribution.

1 = From USFWS letter. 2 = From CNDDB/ RareFind. 3 = Observed by Sycamore Environmental.

# APPENDIX E.

# Applicable Laws and Regulations

68 acre Cameron Park El Dorado County, CA

# A. State and Federal Statutes

Biological studies and analyses were conducted to satisfy the legal requirements of State and Federal statutes. These statutes include:

- National Environmental Policy Act (42 U.S.C. 4321 et seq.).
- Federal Endangered Species Act (16 U.S.C. 1531-1543).
- Fish and Wildlife Coordination Act (16 U.S.C. 661-666).
- Executive Order 11990, Protection of Wetlands (May 24, 1977).
- Section 404 of the Clean Water Act (33 U.S.C. 1251-1376).
- California Environmental Quality Act (P.R.C. 21000 et seq.).
- California Endangered Species Act (California Fish and Game Code 2050 et seq.).
- Native Plant Protection Act (California Fish and Game Code 1900-1913).
- Sections 1601-1603 of the California Fish and Game Code.
- Migratory Bird Treaty Act of 1918 (16 U.S.C. 703-711).
- Magnuson-Stevens Fishery Conservation and Management Act (as amended through 11 October 1996).

# B. Federal Endangered Species Act

The Federal Endangered Species Act defines take (Section 9) and prohibits taking of a federal-listed endangered or threatened species without an Incidental Take Permit (16 U.S.C. 1532, 50 CFR 17.3). If a federal-listed species could be harmed, harassed, injured, or killed by a project, a Section 7 consultation is initiated by a federal agency or a Section 10 consultation is initiated by a local agency or private applicant. Formal consultations culminate with a Biological Opinion and result in the issuance of an Incidental Take Permit.

# C. Federal Migratory Bird Treaty Act

Migratory birds are protected under the federal Migratory Bird Treaty Act (MBTA) of 1918 (16 U.S.C. 703-711). The MBTA makes it unlawful to take, possess, buy, sell, purchase, or barter any migratory bird listed in 50 CFR Part 10 including feathers or other parts, nests, eggs, or products, except as allowed by implementing regulations (50 CFR 21). All migratory bird species are protected by the MBTA. The direct injury or death of a migratory bird, due to construction activities or any construction-related disturbance that causes nest abandonment, abandonment of nestlings, or forced fledging would be considered a take under federal law.

# D. California Fish and Game Code

The California Fish and Game Code defines take (Section 86) and prohibits taking of a species listed as threatened or endangered under the California Endangered Species Act (California Fish and Game Code Section 2080) or otherwise fully protected (as defined in California Fish and Game Code Sections 3511, 4700, and 5050).

The DFG also regulates activities that may impact streambeds or other wetland areas. Division 2, Chapter 6, Section 1601 of the Fish and Game Code states that

"...general plans sufficient to indicate the nature of a project for construction by, or on the behalf of, any governmental agency, state or local, and any public utility, of any project which will divert, obstruct or change the natural flow or bed, channel or bank of any river, stream, or lake designated by the department in which there is at any time an existing fish or wildlife resource or from which these resources derive benefit, or will use material from the streambeds designated by the department, shall be submitted to the department."

# E. Other Special-Status Species Classifications

Plant or wildlife species on the California list of Species of Special Concern (CSC) as defined by DFG, plant species on lists 1B and 2 of the California Native Plant Society (CNPS 2001), and active raptor nests are included in this classification. The CEQA Guidelines (Section 15380) also provides that a plant or animal may be treated as rare or endangered even if it has not been placed on an official list provided that it meets the criteria for listing.

The DFG has stated that their jurisdiction is any wetland area that is within the jurisdiction of the Corps. Completion of a Section 1601-03 Streambed Alteration Agreement with the DFG is required before any work begins that will affect wetlands in the Corps' jurisdiction.

# F. El Dorado County General Plan

Policy 7.3.4.1 of the 1996 El Dorado County General Plan states:

"Natural watercourses shall be integrated into new development in such a way that they enhance the aesthetic and natural character of the site without disturbance."

The County adopted a new General Plan on 19 July 2004. The new General Plan can not be implemented until the Superior Court lifts a writ of mandate on the Environmental Impact Report for the General Plan. The 2004 General Plan addresses buffer requirements for perennial streams, rivers, lakes, and for intermittent streams and wetlands. Policy 7.3.3.4 of the 2004 General Plan states in part:

"Until standards for buffers and special setbacks are established in the Zoning Ordinance, the County shall apply a minimum setback of 100 feet from all perennial streams, rivers, lakes, and 50 feet from intermittent streams and wetlands. These interim standards may be modified in a particular instance if more detailed information relating to slope, soil stability, vegetation, habitat, or other site- or project-specific conditions supplied as part of the review for a specific project demonstrates that a different setback is necessary or would be sufficient to protect the particular riparian area at issue."

# APPENDIX F.

# Jurisdictional Delineation Data Sheets

68 acre Cameron Park El Dorado County, CA

# **Routine Wetland Determination**

		(198	7 COE Wetland	ls Delineati	on Manual)			
Field Investigator(s):	Chuck Hughes &	Stephen S	tringer		Date:	12 Jan 2005	DP No.	: 1
Project/Site:	68 ac Cameron F	Park			State:	CA		
Applicant/Owner:	Pacific Oak Dev	elopment			County:	El Dorado		
					•		Gabbroic Nor	thern
Do Normal Circumstar	nces exist on the s	ite?		Yes 🛛	No 🗌	Community ID:	Mixed Chapa	
Is the site significantly			1)?	Yes 🗌	No 🗵	Transect ID:		
Is the site a potential P				Yes [	No 🗵	Plot ID:		
VEGETATION	Toblem Area: (11	needed, exp	nam below)	103	110 🖂	TIOUID.		
	t Cassiss	Stratum	Indicator	Т	Cominant D	lant Species	Stratum	Indicator
Dominant Plan	t Species	Stratum	maicator				Stratum	marcator
1 D 1 1 11 11 1						neridianum var.	,,	
1. Baccharis pilularis		S		pome	ridianum		H	
2. Arctostaphylos visci	ida ssp. viscida	S	~-	6. Salvia	sonomensi	is	Н	
2. Idanastama fanaisu	latum	S						
3. Adenostoma fascicu	iaium							-
4. Rhamnus tomentella	ssp. tomentella	S						
Percent of Dominant S	species that are Ol	BL, FACW	, or FAC (exc	luding FA	C-): $0/6 =$	0%		
Remarks:								
HYDROLOGY			Wetl	and Hydr	ology Indi	cators:		
Recorded Data (De	scribe in Remarks	s):	Prima	ary Indicat	ors:	Second	ary Indicators	
	e, or Tide Gauge		⊠ In	undated		(2 or	more required	):
Aerial Photo				aturated in	upper	□Òxidi	ized root chan	nels in
Other	-8F			2 inches			er 12 inches	
No Recorded Data	Available		l □ w	ater mark	s		I soil survey d	ata
Field Observations:	Trunable			rift lines			-Neutral Test	
	otom 1	(in )	1 🖵 -	ediment de	nosits		r (explain in r	emarks)
Depth of Surface W		(in.)			tterns in w		er-stained leav	
Depth to Free Wate		(in.)	ا ا	ramage pa	itteriis iii w	ctialids wat	ci-stailled leav	CS
Depth to Saturated		(in.)						
Remarks: Primary in	dicator present. I	Data point is	s inundated w	ith runoff	from surro	unding uplands.		
SOILS Map Unit Nan	16							
	and Phase): Res	scue verv st	ony sandy loa	am	Fi	ield Observations C	Confirm Mappe	ed Type?
,		scae very se	ony sundy rot					
•	(Subgroup):	****				⊠ Yes	☐ No	
	inage Class:			0.1				
Depth		trix Color		ttle Colors	-	Mottle Abundance/		Concretions,
<u>(inches)</u> Hor	rizon (Mur	sell Moist)	(Mu	nsell Mois	<u> </u>	Contrast	Struct	ure, etc.
0-8	5	YR 3/4					Sandy	silt loam
		1105/1					Sundy	Jiit Iouiii
Hydric Soil Indicator	rs:							
☐ Histosol				] Concreti	ons			
Histic Epi	pedon			High Or	ganic Conte	ent in Surface Laye	r Sandy Soils	
Sulfidic C						n Sandy Soils	•	
Aguic Mo	isture Regime					dric Soils List		
	Conditions		F			Hydric Soils List		
	Low-Chroma Co	lors	F		xplain in R			
Remarks: Not hydric.				, Control (L	-p.wiii iii K			
Remarks. 140t mydrie.								
WETLAND DETER	MINATION							
Hydrophytic Vegetation		res 🖂	No	Ic this	camplina =	oint within a wetla	nd? Yes	⊠ No
		=		15 UIIS	samping p	omi wiuiili a wella	iiu: Lies	\(\overline{\sqrt{140}}\)
Wetland Hydrology Pr	_		No No					
Hydric Soils Present?		es 🖂	No					
Remarks/Rationale: C	riteria not met.							

# **Routine Wetland Determination**

		(198	7 COE Wetland	ds Delineati	on Manual)			
Field Investigator(s):	Chuck Hughes &				Date:	12 Jan 2005	DP No.	: 2
Project/Site:	68 ac Cameron I				State:			
Applicant/Owner:	Pacific Oak Dev				County:			
ppe							abbroic Nor	rthern
Do Normal Circumsta	nces exist on the s	ite?		Yes 🏻	No 🗌		lixed Chapa	
Is the site significantly			1)2	Yes 🗌	No 🏻	Transect ID:	пист спара	
Is the site a potential F				Yes $\square$	No 🛛	Plot ID:		
VEGETATION	Toblem Area: (11	ileeded, exp	nam below)	165	NO M	Tiotib.		
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Dominant Flan	ii species	Stratum	mulcator		Joinnant F	iant species	Suatuili	mulcator
1. Adenostoma fascicu	ılatum	S		5. Ceano	thus roderi	ckii	Н	
				6. Chlor	ogalum pon	neridianum var.		
2. Baccharis pilularis		S		pome	ridianum		н	
	C 1:	C		7 6 1		-	11	
3. Heteromeles arbuti	folia	S		7. Salvia	sonomensi	<u>s</u>	Н	
4. Arctostaphylos visc	ida ssp. viscida	S		8. Galiui	n sp.		н	
Percent of Dominant S	Species that are O		or FAC (exc			0%		
Remarks:	, poor 100 mm m m m m	,	, (		, , , , ,			
Remarks.								
HYDROLOGY		· · · · · · · · · · · · · · · · · · ·	Wetl	and Hydr	ology Indi	rators:		
Recorded Data (De	escribe in Remark	s)·		ary Indicat			Indicators	
	ke, or Tide Gauge	s).		nundated	.013.		ore required	۸٠
Aerial Photo				aturated in	linner		d root chan	
. =	ographs			aturateu iii 2 inches	upper		2 inches	iicis iii
Other	A 11-1-1			∠ inches /ater mark	_			1-4-
No Recorded Data	Available				S		oil survey d	ata
Field Observations:			_	rift lines	•.	_	eutral Test	
Depth of Surface W		(in.)		ediment de			explain in re	
Depth to Free Wate	r in Pit:3	(in.)		rainage pa	tterns in we	etlands <u></u> Water-	stained leav	es
Depth to Saturated	Soil: 1	(in.)						
Remarks: Primary in	dicator present. I	Data point is	saturated wi	th runoff f	rom surrou	nding uplands.		
,	•	•						
0017 03 4 77 1137								
SOILS Map Unit Nan					Fi	eld Observations Cor	ıfirm Manne	ed Type?
· ·	and Phase): Re	scue extrem	ely stony san	dy loam		via costi vanons coi		ou Type.
Taxonomy	(Subgroup):					⊠ Yes	□No	
Dra	inage Class:					23 100		
Depth	Ma	trix Color	Mo	ttle Colors	N	Iottle Abundance/	Texture, (	Concretions,
	rizon (Mur	sell Moist)	(Mu	nsell Mois	t)	Contrast	Struct	ure, etc.
0-8	5	YR 3/4					Clay	y loam
Hydric Soil Indicator	rs:							
☐ Histosol				Concreti	ons			
Histic Ep	ipedon			High Or	ganic Conte	ent in Surface Layer S	andy Soils	
Sulfidic C			Ī			n Sandy Soils	•	
	isture Regime		F			ric Soils List		
	Conditions		<u> </u>			Hydric Soils List		
	Low-Chroma Co	lors	-		xplain in R			
Remarks: Not hydric.					-P 111			
Remarks. Not nyune.								
WETLAND DETER	MINIATION							
WETLAND DETER		/aa	NI.	In 41. !-		alma uulahimal 1	. Dv.	
Hydrophytic Vegetation		es 🖂		is this	sampling p	oint within a wetland	? LYes	⊠ No
Wetland Hydrology P			No No					
Hydric Soils Present?		es 🖂	NO					
Remarks/Rationale: C	criteria not met.							

Routine Wetland Determination (1987 COE Wetlands Delineation Manual)

Field Investigator(s):		Stephen S			Date: 2	21 Jan 2005	DP No.	: 3
Project/Site: Applicant/Owner:	68 ac Cameron F Pacific Oak Dev				_	CA El Dorado		
Do Normal Circumsta Is the site significantly Is the site a potential l	unces exist on the s y disturbed (Atypic	ite?		Yes No Yes No Yes No	☐ Co		Gabbroic Nor Mixed Chapa	
VEGETATION  Dominant Plan	nt Species	Stratum	Indicator	Domir	nant Plant	t Species	Stratum	Indicator
1. Quercus wislizenii	var. wislizenii	Т		5. Heteromele	s arbutife	olia	S	
2. Rhamnus tomentell		S		6. Chlorogalu pomeridiar		idianum var.	Н	
3. Adenostoma fascici	ulatum	S						
4. Wyethia reticulata		н						
Percent of Dominant : Remarks:	Species that are Ol	BL, FACW	, or FAC (exc	luding FAC-):	0/6 = 0%			
HYDROLOGY  Recorded Data (D  Stream, Lal  Aerial Phot  Other  No Recorded Data  Field Observations:  Depth of Surface W  Depth to Free Wate  Depth to Saturated	ke, or Tide Gauge ographs  Available  Vater: NA er in Pit: NA	(in.) (in.) (in.)	Prim.	and Hydrology ary Indicators: nundated aturated in uppe 2 inches /ater marks brift lines ediment deposit grainage patterns	er S	Seconda (2 or ) Oxidi uppe: Local FAC-	ary Indicators more required zed root chans r 12 inches I soil survey de Neutral Test r (explain in re- er-stained leav	nels in ata emarks)
Remarks: No OHW	M present. Sheet i	flow is indi	cated by leave	es arranged into	short drif	ft lines.		
,		scue very st	ony sandy loa	am	Field	Observations C	_	d Type?
Dra	inage Class:					⊠ Yes	□ No	
Depth (inches) Ho		trix Color isell Moist)		ttle Colors nsell Moist)		le Abundance/ Contrast		Concretions, ure, etc.
0-14		5YR 3/4					Grave	lly loam
Reducing	ipedon Odor oisture Regime Conditions r Low-Chroma Col	lors		Concretions High Organic Organic Streat Listed on Loca Listed on Nati Other (Explair	king in Sa al Hydric onal Hyd	Soils List ric Soils List	Sandy Soils	
WETLAND DETER Hydrophytic Vegetatie Wetland Hydrology P Hydric Soils Present? Remarks/Rationale: C	on Present?	/es ⊠ /es □ /es ⊠	No	Is this samp	ling point	t within a wetlar	nd?	⊠ No
Remarks/Rationale: C	mena not met.							

Routine Wetland Determination (1987 COE Wetlands Delineation Manual)

Field Investigator(s): Project/Site:	Chuck Hughes &		Stringer		Date: State:		DP No.	: 4
Applicant/Owner:	Pacific Oak Dev				County:			
Do Normal Circumsta ls the site significantly ls the site a potential F	nces exist on the s	ite?		Yes 🖂 Yes 🗌 Yes 🗌	No □ No ⊠ No ⊠	Community ID: Transect ID: Plot ID:	Red Willow Riparian Fore	est
VEGETATION  Dominant Plan	t Species	Stratum	Indicator	I	Dominant P	lant Species	Stratum	Indicator
1. Salix laevigata		Т		5. Artem	isia dougla	siana	Н	FACW
2. Typha angustifolia		Н	OBL	6. Rume:	x crispus		Н	FACW-
3. Juncus effusus var.	pacificus	Н	OBL	7. Cyper	us sp. (at le	ast FACW)	Н	FACW
4. Rubus ursinus		Н	FAC+	8. Lythri	ım hyssopif	olium	Н	FACW
Percent of Dominant S Remarks:	Species that are Ol	BL, FACW	, or FAC (exc	cluding FA	.C-): 7/8 =	88%		
☐ Aerial Phote☐ Other☐ Other☐ No Recorded Data Field Observations: Depth of Surface W Depth to Free Wate	Available  Vater: NA r in Pit: 7	(in.) (in.)	Prim   ] Is   S   1   V   D   S	ary Indicated aturated in 2 inches Vater mark brift lines ediment de	upper s	Seconda (2 or Oxidi uppe Loca FAC	ary Indicators more required ized root chan er 12 inches Il soil survey d -Neutral Test r (explain in re er-stained leav	nels in lata emarks)
Depth to Saturated Remarks: Two prima		ent.						
SOILS Map Unit Nam					Fi	eld Observations C	Confirm Mapp	ed Type?
Taxonomy	and Phase): Res (Subgroup):	scue very si	ony sandy io	ain		☐ Yes	⊠ No	
Depth Dra	inage Class:	trix Color	Me	ttle Colors				Concretions,
		isell Moist)		nsell Mois	•••	Mottle Abundance/ Contrast		ure, etc.
0-7							Loan	ny sand
>7							Gr	ravel
☐ Reducing	ipedon	lors		Organic Listed or Listed or	ganic Conte Streaking in Local Hyd	ent in Surface Laye n Sandy Soils dric Soils List Hydric Soils List emarks)	r Sandy Soils	
Remarks: Much duff			natter/minera				sell color.	
WETLAND DETER Hydrophytic Vegetatic Wetland Hydrology Pr Hydric Soils Present? Remarks/Rationale: C	on Present?	es 🔲	No No No	Is this	sampling p	oint within a wetla	nd? ⊠ Yes	□No

# Routine Wetland Determination

T 111 ( )	Oh I III-ahaa (			ds Delineation Ma		21 I 2005	DD M.	_
Field Investigator(s):	68 ac Cameron F		tringer		Date: State:	21 Jan 2005 CA	DP No.	: 5
Project/Site: Applicant/Owner:	Pacific Oak Dev				ounty:			
Do Normal Circumstan Is the site significantly Is the site a potential Pr	nces exist on the s	site? cal Situation		Yes No Yes No Yes No			Gabbroic Nor Mixed Chapa	
VEGETATION						_		
Dominant Plant	Species	Stratum	Indicator	Domin	ant Pla	ant Species	Stratum	Indicator
1. Phalaris aquatica		Н	FAC+	6. Ceanothus t	omente	osus	S	
2. Erodium botrys		Н		7. Centaurea s	so <u>lstiti</u> a	alis	Н	
3. Holocarpha virgata		Н		8. Taeniatheru	іт сарі	ut-medusae	Н	
4. Chlorogalum pomer pomeridianum	idianum var.	Н		9. Brassica nig	gra		Н	
5. Baccharis pilularis		S		10. Erodium c	icutari	um	н	
Percent of Dominant S Remarks:	pecies that are Ol		, or FAC (exc					
HYDROLOGY  Recorded Data (Decorded D	e, or Tide Gauge ographs  Available  ater: NA in Pit: NA	(in.) (in.) (in.)	Prim	and Hydrology ary Indicators: nundated aturated in upper 2 inches vater marks orift lines ediment deposits trainage patterns	r	Seconda (2 or 1 Oxidi upper Local FAC-	ary Indicators more required zed root chans r 12 inches I soil survey d Neutral Test r (explain in re	nels in lata emarks)
Remarks: No wetland	l hydrology indic	ators presen	nt.					
SOILS Map Unit Nam (Series	ie and Phase): Res	scue verv st	ony sandy lo	am	Fie	ld Observations C	onfirm Mappe	ed Type?
Taxonomy (	Subgroup):					⊠ Yes	☐ No	
Depth	nage Class:	trix Color	Mo	ottle Colors	M	ottle Abundance/	Texture (	Concretions,
(inches) Hori		nsell Moist)		nsell Moist)		Contrast	-	ure, etc.
0-10	5	YR 3/4					L	oam
Reducing (	pedon	lors		Organic Streak Listed on Loca	cing in al Hydr onal Hy	ric Soils List ydric Soils List	Sandy Soils	
WETLAND DETERM Hydrophytic Vegetatio Wetland Hydrology Pro Hydric Soils Present? Remarks/Rationale: Co	n Present?	Yes 🔯 1 Yes 🔯 1	No	Is this sampl	ling po	int within a wetlar	nd?	⊠ No

Routine Wetland Determination (1987 COE Wetlands Delineation Manual)

Field Investigator(s):	Chuck Hughes &	,	Stringer	us Dennicat	Date:	21 Jan 2005	DP No.	: 6
	68 ac Cameron F				State:	CA		
Applicant/Owner:	Pacific Oak Dev	elopment			County:			
Do Normal Circumstano				Yes 🛚	No 🗌	Community ID:	Cattail Wetlan	nd
Is the site significantly of	` '		,	Yes 🗌	No 🛚	Transect ID:		
Is the site a potential Pro	oblem Area? (If	needed, exp	olain below)	Yes 🗌	No 🛛	Plot ID:		
VEGETATION  Dominant Plant	Species	Stratum	Indicator	1	Dominant P	lant Species	Stratum	Indicator
1. Typha angustifolia		Н	OBL					
2. Baccharis pilularis		S						
3. Salix laevigata		Т						
4. Artemisia douglasian	a	Н	FACW					
Percent of Dominant Sp		BL, FACW	or FAC (exc	luding FA	C-): 2/4 =	50%		
Remarks: Salix laevigat Hydrophytic vegetation		pecies acco	ording to USI	FWS (1988	3). USFWS	(1996) lists <i>Salix</i> i	laevigata as F	ACW+.
HYDROLOGY					ology Indic			
Recorded Data (Des		s):		ary Indica	tors:		ary Indicators	
	, or Tide Gauge			nundated			more required	
☐ Aerial Photog 図 Other	grapns			aturated in 2 inches	upper		zed root chant r 12 inches	neis in
☐ No Recorded Data A	wailable		1 ^	Z menes Vater mark	·c		r 12 inches I soil survey d	ata
Field Observations:	vanaoic			rift lines	.3		Neutral Test	aia
Depth of Surface War	ter: NA	(in.)		ediment de	eposits		r (explain in re	emarks)
Depth to Free Water		(in.)			atterns in we		r-stained leav	
Depth to Saturated So		(in.)				_		
Remarks: Two primary		ent. Data p	oint is adjace	ent to inter	mittent char	nnel shown on NW	I map.	
SOILS Map Unit Name (Series a	nd Phase): Res	cue sandy	loam		Fie	eld Observations C	onfirm Mappe	ed Type?
Taxonomy (S	Subgroup):					□ Vac	⊠ No	
Drain	age Class:					☐ Yes	M NO	
Depth (inches) Horiz		rix Color sell Moist)		ttle Colors	14	Nottle Abundance/ Contrast		Concretions, ure, etc.
0-9							Loam	y sand
Hydric Soil Indicators	•					7		
☐ Histosol				] Concreti				
Histic Epipe						nt in Surface Laye	r Sandy Soils	
Sulfidic Od						n Sandy Soils		
	ture Regime		<u></u>			Iric Soils List		
Reducing C			<u> </u>			Hydric Soils List		
	ow-Chroma Col				xplain in Re		1:	
Remarks: Sandy soil no on vegetation, hydrology			sucs. 100 sar	idy for Mit	insell color	determination. Hy	dric soil assun	ned based
WETLAND DETERM								
Hydrophytic Vegetation		es 🗆 1	No Assume	d Is this	sampling po	oint within a wetlar	nd? X Yes	□No
Wetland Hydrology Pres		_	No					
Hydric Soils Present?	⊠ Y		No Assume	1				
Remarks/Rationale: Cri	teria met.							

			7 COE Wetland					
Field Investigator(s):	Chuck Hughes &			as Delinean	Date:		DP No.	: 7
Project/Site:	68 ac Cameron I		u inge.		State:			,
Applicant/Owner:	Pacific Oak Dev				County:			
Applicate Owner.	Tacific Oak Dev	ciopinent			County.		Gabbroic No	rthern
Do Normal Circumsta	nces exist on the s	ite?		Yes 🖂	No 🗌	Community ID:		
ls the site significantly			1)?	Yes 🗌	No 🖾	Transect ID:	······	
ls the site a potential l				Yes	No 🔯	Plot ID:		
VEGETATION	Toolem Area. (II	needed, exp	Julii delow)	.03	110 23	Tiotib.		
Dominant Plan	nt Species	Stratum	Indicator	r	Dominant P	Plant Species	Stratum	Indicator
I. Adenostoma fascici	ulatum	S						
2. Arctostaphylos visc	ida ssp. viscida	<u> </u>						
3. Baccharis pilularis		S						
4. Chlorogalum pome	ridianum var.			l				
pomeridianum		Н						L
Percent of Dominant	Species that are Ol	BL, FACW	, or FAC (exc	cluding FA	(C-): 0/4 =	0%		
Remarks:								
			1		<del></del>			
HYDROLOGY		- \ -			ology Indi		Indiaatana	
Recorded Data (D		s):		ary Indicat	ors:		ry Indicators nore required	Ν.
	ke, or Tide Gauge			nundated aturated in			ed root chan	
Aerial Phot	ograpns			aturated in 2 inches	upper		12 inches	neis in
☐ Other  No Recorded Data	Assailabla			∠ menes Vater mark	c		soil survey d	lata
Field Observations:	Available		·	rift lines	3		Neutral Test	iata
	Johann NIA	(im.)		ediment de	enosits		(explain in r	emarks)
Depth of Surface V					tterns in w		r-stained leav	
Depth to Free Water			٦٥٠	rumuge pe		· · · · · · · · · · · · · · · · · · ·		
Depth to Saturated		(in.)						
Remarks: No wetlar	ia nyarology inaic	ators preser	11.					
SOILS Map Unit Nat			_		F	ield Observations Co	onfirm Mann	ed Type?
1	and Phase): Re	scue sandy	loam			icia cosci vations co	эттин марр	cu Type.
Taxonomy	(Subgroup):					☐ Yes	☐ No	
Dra	ainage Class:							
Depth		trix Color		ttle Colors		Mottle Abundance/		Concretions,
(inches) Ho	rizon (Mur	sell Moist)	(Mu	nsell Mois	<u>t)</u>	Contrast	Struct	ture, etc.
						· · · · · · · · · · · · · · · · · · ·		
Hydric Soil Indicato	rs:							
Histosol	13.		_	Concreti	ons			
Histic Ep	inedon		7			ent in Surface Layer	Sandy Soils	
Sulfidic (			F			n Sandy Soils	Junu, Jone	
	oisture Regime		7			dric Soils List		
	Conditions		Ē			Hydric Soils List		
	r Low-Chroma Co	lors	Ī		xplain in R			
Remarks: Soil pit uni			Fig 14, Step 9					
	•		<i>U</i> , 1	` '	,			
WETLAND DETER	MINATION							
Hydrophytic Vegetati		∕es ⊠	No	Is this	sampling r	oint within a wetlan	d? 🗌 Yes	⊠ No
Wetland Hydrology P			No		. 51			
Hydric Soils Present?			No					
Remarks/Rationale: (								

## Data Form Routine Wetland Determination (1987 COE Wetlands Delineation Manual) Field Investigator(s): Chuck Hughes & Stephen Stringer Date: 21 Jan 2005 DP No.: 8 Project/Site: 68 ac Cameron Park State: CA Applicant/Owner: Pacific Oak Development County: El Dorado Do Normal Circumstances exist on the site? Yes 🖂 No $\square$ Community ID: Cattail Wetland Is the site significantly disturbed (Atypical Situation)? Yes 🗌 No 🛛 Transect ID: Is the site a potential Problem Area? (If needed, explain below) No 🏻 Plot ID: Yes 🗌 VEGETATION Dominant Plant Species Stratum Indicator **Dominant Plant Species** Stratum Indicator 1. Artemisia douglasiana Н **FACW** 5. Populus fremontii ssp. fremontii **FACW** S 2. Baccharis pilularis Н OBL 3. Juncus xiphioides 4. Typha angustifolia Н OBL Percent of Dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/5 = 80% Remarks: **HYDROLOGY** Wetland Hydrology Indicators: Recorded Data (Describe in Remarks): Primary Indicators: Secondary Indicators ☐ Stream, Lake, or Tide Gauge ☐ Inundated (2 or more required): Aerial Photographs Saturated in upper Oxidized root channels in ☑ Other 12 inches upper 12 inches ☐ No Recorded Data Available ☐ Water marks Local soil survey data ☐ Drift lines FAC-Neutral Test Field Observations: Sediment deposits Other (explain in remarks) Depth of Surface Water: NA (in.) Water-stained leaves Drainage patterns in wetlands Depth to Free Water in Pit: NA (in.) Depth to Saturated Soil: NA (in.) Remarks: Primary indicator present. Data point is adjacent to intermittent channel shown on NWI map. SOILS Map Unit Name Field Observations Confirm Mapped Type? (Series and Phase): Rescue sandy loam Taxonomy (Subgroup): ⊠ No ☐ Yes Drainage Class: Matrix Color Mottle Colors Depth Mottle Abundance/ Texture, Concretions, (inches) Horizon (Munsell Moist) (Munsell Moist) Structure, etc. Contrast 0-10 7.5YR 4/3 Clayey sand **Hydric Soil Indicators:** ☐ Histosol Concretions Histic Epipedon High Organic Content in Surface Layer Sandy Soils Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Listed on Local Hydric Soils List Reducing Conditions Listed on National Hydric Soils List Gleyed or Low-Chroma Colors Other (Explain in Remarks) Remarks: Sandy soil not showing hydric characteristics. Hydric soil assumed based on vegetation, hydrology, and proximity to channel. WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes No Is this sampling point within a wetland? X Yes ☐ No X Yes Wetland Hydrology Present? No

Hydric Soils Present?

Remarks/Rationale: Criteria met.

⊠ Yes

No Assumed

# Routine Wetland Determination (1987 COE Wetlands Delineation Manual)

	Chuck Hughes &	Stephen S		Da	e: 21 Jan 2005	DP No.	: 9
Project/Site:	68 ac Cameron I			Sta			
Applicant/Owner:	Pacific Oak Dev	elopment		Coun	y: El Dorado	<del></del>	
5 11 101				V - N N -	Community ID:	Gabbroic No	
Do Normal Circumsta				Yes ⊠ No □	Community ID:	Mixed Chapa	ırraı
ls the site significantly				Yes No 🛇	Transect ID:		
Is the site a potential F	roblem Area? (If	needed, exp	plain below)	Yes No 🛛	Plot ID:		
VEGETATION  Dominant Plan	nt Species	Stratum	Indicator	Dominan	Plant Species	Stratum	Indicator
1. Centaurea solstitial	lis	Н		5. Plantago lance	olata	Н	
2. Holocarpha virgata	ssp. virgata	Н					
3. Erodium cicutarium	1	Н					
4. Erodium botrys		Н		 			
Percent of Dominant S	Species that are Ol	BL, FACW	, or FAC (exc	cluding FAC-): 0/5	= 0%		
Remarks:							
			1				
HYDROLOGY				land Hydrology In			
Recorded Data (De		s):		ary Indicators:		ary Indicators	15.
	ke, or Tide Gauge			nundated		more required	
Aerial Phot	ograpns			aturated in upper 2 inches	_	ized root chan	neis in
Other	Assailabla			Z inches Vater marks		er 12 inches Il soil survey d	lata
No Recorded Data	Available			Orift lines		-Neutral Test	iala
Field Observations:	/	(i )		ediment deposits		r (explain in r	emarks)
Depth of Surface W				Prainage patterns in		er-stained leav	
Depth to Free Water		(in.)	10-	ramage patterns in	wellands was	or stained leav	CS
Depth to Saturated		(in.)					
Remarks: No wetlan	a nyarology inaic	ators preser	ıt.				
SOILS Map Unit Nam		scue sandy	loam		Field Observations O	Confirm Mapp	ed Type?
(Series	and Phase): Res				_	_	ed Type?
(Series Taxonomy	and Phase): Res		loam		Field Observations (	Confirm Mapp	ed Type?
(Series Taxonomy Dra Depth	and Phase): Res (Subgroup): inage Class: Ma	trix Color	Mo	ottle Colors	_	□ No Texture, 0	Concretions,
(Series Taxonomy Dra Depth	and Phase): Res (Subgroup): inage Class: Ma		Mo		☐ Yes	□ No Texture, 0	
(Series Taxonomy Dra Depth	and Phase): Res (Subgroup): inage Class: Ma	trix Color	Mo	ottle Colors	Yes  Mottle Abundance/	□ No Texture, 0	Concretions,
(Series Taxonomy Dra Depth (inches) Ho	and Phase): Res (Subgroup): inage Class: Ma rizon (Mur	trix Color	Mo	ottle Colors	Yes  Mottle Abundance/	□ No Texture, 0	Concretions,
(Series Taxonomy Dra Depth (inches) Ho  Hydric Soil Indicator	and Phase): Res (Subgroup): inage Class: Ma rizon (Mur	trix Color	Mo	ottle Colors	Yes  Mottle Abundance/	□ No Texture, 0	Concretions,
(Series Taxonomy Dra Depth (inches) Ho  Hydric Soil Indicator  Histosol	and Phase): Res (Subgroup):	trix Color	Mo	ottle Colors nsell Moist)  Concretions	Mottle Abundance/ Contrast	No Texture, 0 Struct	Concretions,
(Series Taxonomy Dra Depth (inches) Ho  Hydric Soil Indicator Histosol Histic Ep	and Phase): Res (Subgroup):	trix Color	Mo	ottle Colors nsell Moist)  Concretions High Organic Co	Mottle Abundance/ Contrast	No Texture, 0 Struct	Concretions,
(Series Taxonomy Dra Depth (inches) Ho  Hydric Soil Indicator Histosol Histic Ep Sulfidic C	and Phase): Res (Subgroup):	trix Color	Mo	ottle Colors nsell Moist)  Concretions High Organic Co	Mottle Abundance/ Contrast  ntent in Surface Layers in Sandy Soils	No Texture, 0 Struct	Concretions,
Hydric Soil Indicator  Histosol  Histic Ep  Sulfidic Co	and Phase): Res (Subgroup):	trix Color	Mo	concretions High Organic Co. Organic Streaking Listed on Local H	Mottle Abundance/ Contrast  ntent in Surface Layer in Sandy Soils lydric Soils List	No Texture, 0 Struct	Concretions,
(Series Taxonomy Dra Depth (inches) Ho   Ho   Ho   Ho   Ho   Ho   Ho   Ho	and Phase): Res (Subgroup):	trix Color isell Moist)	Mo	Concretions High Organic Co Organic Streaking Listed on Local F Listed on Nationa	Mottle Abundance/ Contrast  ntent in Surface Layers in Sandy Soils ydric Soils List I Hydric Soils List	No Texture, 0 Struct	Concretions,
(Series Taxonomy Dra Depth (inches) Ho   Ho   Ho   Ho   Ho   Ho   Ho   Ho	and Phase): Res (Subgroup):	trix Color isell Moist)	Mo (Mu	Concretions High Organic Co Organic Streaking Listed on Local F Listed on Nationa Other (Explain in	Mottle Abundance/ Contrast  ntent in Surface Layers in Sandy Soils ydric Soils List I Hydric Soils List	No Texture, 0 Struct	Concretions,
(Series Taxonomy Dra Depth (inches) Ho   Ho   Ho   Ho   Ho   Ho   Ho   Ho	and Phase): Res (Subgroup):	trix Color isell Moist)	Mo (Mu	Concretions High Organic Co Organic Streaking Listed on Local F Listed on Nationa Other (Explain in	Mottle Abundance/ Contrast  ntent in Surface Layers in Sandy Soils ydric Soils List I Hydric Soils List	No Texture, 0 Struct	Concretions,
(Series Taxonomy Dra Depth (inches) Ho   Ho   Ho   Ho   Ho   Ho   Ho   Ho	rs: ipedon odor oisture Regime Conditions Low-Chroma Co necessary in accord	trix Color isell Moist)	Mo (Mu	Concretions High Organic Co Organic Streaking Listed on Local F Listed on Nationa Other (Explain in	Mottle Abundance/ Contrast  ntent in Surface Layers in Sandy Soils ydric Soils List I Hydric Soils List	No Texture, 0 Struct	Concretions,
(Series Taxonomy Dra Depth (inches) Ho  Hydric Soil Indicator Histosol Histic Ep Sulfidic C Aquic Mo Reducing Gleyed or Remarks: Soil pit unr	and Phase): Res (Subgroup):	trix Color isell Moist)	Mo (Mu	Concretions High Organic Co Organic Streaking Listed on Local F Listed on Nationa Other (Explain in	Mottle Abundance/ Contrast  ntent in Surface Layers in Sandy Soils ydric Soils List I Hydric Soils List	Texture, OStruct	Concretions,
Hydric Soil Indicator  Histosol Histic Ep Sulfidic C Reducing Gleyed or Remarks: Soil pit unr	and Phase): Res (Subgroup):	trix Color isell Moist)	Mo (Mu	Concretions High Organic Co Organic Streaking Listed on Local F Listed on Nationa Other (Explain in	Mottle Abundance/ Contrast  Intent in Surface Layer in Sandy Soils ydric Soils List I Hydric Soils List Remarks)	Texture, OStruct	Concretions, ture, etc.
Hydric Soil Indicator  Histosol Histic Ep Sulfidic Co Reducing Gleyed or Remarks: Soil pit unr	and Phase): Residence (Subgroup): Image Class:  Marizon (Muranical Marizon)  rs: Ipedon Odor Disture Regime Conditions In Low-Chroma Condecessary in according to the present?	lors	Mo (Mu	Concretions High Organic Co Organic Streaking Listed on Local F Listed on Nationa Other (Explain in	Mottle Abundance/ Contrast  Intent in Surface Layer in Sandy Soils ydric Soils List I Hydric Soils List Remarks)	Texture, OStruct	Concretions, ture, etc.
CSeries Taxonomy   Dra	and Phase): Residence (Subgroup): Image Class:  Marizon (Muranical Marizon)  rs: Image Class: Marizon (Muranical Marizon)  rs: Image Class: Marizon (Muranical Marizon)  rs: Image Class: Marizon (Muranical Marizon)  mari	lors	Mo (Mu	Concretions High Organic Co Organic Streaking Listed on Local F Listed on Nationa Other (Explain in	Mottle Abundance/ Contrast  Intent in Surface Layer in Sandy Soils ydric Soils List I Hydric Soils List Remarks)	Texture, OStruct	Concretions, ture, etc.

# Data Form Routine Wetland Determination

		(198	7 COE Wetland	ds Delineati	on Manual)			
Field Investigator(s):	Chuck Hughes &				Date:	21 Jan 2005	DP No.	: 10
Project/Site:	68 ac Cameron				State:			
Applicant/Owner:	Pacific Oak Dev				County:	El Dorado		
ppeae					,		ed Willow	
Do Normal Circumsta	nces exist on the s	site?		Yes 🛛	No 🗌		Ciparian Fore	est
Is the site significantly			n)?	Yes 🗌	No 🔯	Transect ID:		
Is the site a potential I	Problem Area? (If	needed ev	nlain helow)	Yes 🗌	No 🛛	Plot ID:		
VEGETATION	Toblem Area: (II	liceded, ex	l coowy	103 [	110 23	Tiotib.	1	
Dominant Plan	nt Species	Stratum	Indicator	г	Oominant P	lant Species	Stratum	Indicator
Dominant i iai	it species		marcator		John Marie 1	iain openes	Strutum	marcuror
1. Salix laevigata		T	<u></u>					
2. Rubus discolor		s	FACW					
	7	S	UPL			, , , , , , , , , , , , , , , , , , ,		
3. Cercis occidentalis		3	UPL				<del> </del>	
Percent of Dominant	Species that are O	BL, FACW	, or FAC (exc	cluding FA	C-): $1/3 =$	33%		
Remarks: Salix laevig	gata not indicator	species acco	ording to USF	FWS (1988	). USFWS	5 (1996) lists <i>Salix la</i>	evigata as F	ACW+.
Hydrophytic vegetation	on assumed.							
HYDROLOGY					ology Indi			
Recorded Data (D	escribe in Remark	s):	Prim	ary Indicat	ors:		y Indicators	
	ke, or Tide Gauge			nundated			ore required	
Aerial Phot	ographs			aturated in	upper		ed root chan	nels in
Other				2 inches			12 inches	
☐ No Recorded Data	Available			Vater mark	S		soil survey d	lata
Field Observations:				rift lines			Neutral Test	
Depth of Surface W	Vater: NA	(in.)		ediment de			(explain in r	,
Depth to Free Water	er in Pit:	(in.)		rainage pa	tterns in w	etlands 🔲 Water-	-stained leav	es
Depth to Saturated	Soil:	(in.)						
Remarks: Primary in	ndicator present. I	Data point is	s adjacent to i	ntermitten	t channel sl	hown on NWI map.		
	-	•						
SOIL S Man Unit Nor								
SOILS Map Unit Nar	and Phase): Re	ccue very c	tony sandy lo	am	Fi	eld Observations Co.	nfirm Mapp	ed Type?
1		scue very s	iony sandy io	alli			• • • • • • • • • • • • • • • • • • • •	
	(Subgroup):					☐ Yes	⊠ No	
	inage Class:							
Depth		trix Color		ttle Colors	•	Nottle Abundance/		Concretions,
(inches) Ho	rizon (Mur	sell Moist)	(Mu	nsell Mois	<u>t)</u>	Contrast	Struct	ure, etc.
							C.	
								andy
Hydric Soil Indicato	ma*							
Histosol	13.		[-	Concreti	one			
Histic Ep	inadon		<u> </u>			ent in Surface Layer	Sandy Soile	
Sulfidic C			<u> </u>			n Sandy Soils	Salidy Solls	
	oisture Regime		<u>}-</u>			dric Soils List		
			<del> -</del>					
☐ Reducing Conditions ☐ Listed on National Hydric Soils List ☐ Gleyed or Low-Chroma Colors ☐ Other (Explain in Remarks)								
Remarks: Hydric soil assumed based on vegetation and hydrology. Red colored Rescue soils and sandy soils not showing hydric								
indicators at this site.	assumed based Of	i vegetation	and nyurolo	5 <i>y</i> . 100 00	nored Rest	ac sons and sandy so	JIIS HOL SHOV	ing nyunc
WETLAND DETERMINATION								
Hydrophytic Vegetation		Yes □	No Assume	d Is this	sampling n	oint within a wetland	i? ⊠ Yes	□No
Wetland Hydrology P			No Assume	15 11115	РБ-Р	wouldn't	🖂 103	
Hydric Soils Present?			No Assume	d				
Remarks/Rationale: (								
Actionate.								

Field Personnel: Chuck Hughes and Stephen Stringer Channel #: 1					
Project/ Site	: 68	ac Cameron Park		Date: 12 Jan 20	05
Applicant/ (	Owner: Pac	ific Oak Development	County,	State: El Dorade	o, CA
CONDITION	OF CHANNI	EL			
Channel #:	Width: (ft)	Condition of channel bed:	Vegetation present:	Does water flow appear permanent/intermittent/unknown?	
СН-1	6	Mud, sand, rock	Cattails, willows, deer grass	Intermittent	Yes
Photos	taken?	Data Points Mapped?	Are hydrophytic spec		
Y	es	Yes	Yes		
JURISDIC Is this chan Yes Rationale f	TIONAL DE	ervations: Slurry bed near 48 in ETERMINATION AND RATIO tional?  onal decision: an ordinary high water mark.	ONALE		
year. Ephen the stream. water during	neral stream Runoff from certain time streams may	flowing water only during and beds are located above the water rainfall is the primary source of s of the year, when groundwater not have flowing water. Runof	r table year-round. Groundwa f water for stream flow. An in r provides water for stream flo	ter is not a source termittent stream low. During dry pe	of water for has flowing riods,

Field Person	nel:	Chu	ck Hughes and Stephen Stringe	r	Channe	el #:	la	
Project/ Site:	:	68 a	Cameron Park		Г	Date:	12 Jan 20	05
Applicant/ C	)wner:	Paci	fic Oak Development		County, S	tate:	El Dorado	o, CA
CONDITION	OF CH.	4NNEI	L					
Channel #:	Widi (ft		Condition of channel bed:	Vegetation pr	intermittent/		Is a defined bed and bank present?	
CH-1a	2		Mud, rock	Upland shrubs, g	grasses Ephemeral		Yes	
Photos	taken?	•	Data Points Mapped?	Are hydroph	ytic specie	es pre	esent?	
Ye	es		Yes		No			
Other comm	nents/	bserv	vations:					
JURISDIC'S Is this chan Yes			TERMINATION AND RATIO	ONALE				
			nal decision: n ordinary high water mark.					
An ephemeral stream has flowing water only during and for a short duration after, precipitation events in a typical year. Ephemeral stream beds are located above the water table year-round. Groundwater is not a source of water for the stream. Runoff from rainfall is the primary source of water for stream flow. An intermittent stream has flowing water during certain times of the year, when groundwater provides water for stream flow. During dry periods, intermittent streams may not have flowing water. Runoff from rainfall is a supplemental source of water for stream flow (66 FR 42099).								

Field Person	nel:	Chu	ck Hughes and Stephen Stringe	r	Channe	el #:	2	
Project/ Site:	:	68 a	c Cameron Park		D	ate:	12 Jan 20	05
Applicant/ O	wner:	Paci	fic Oak Development		County, State:		El Dorado	o, CA
CONDITION	OF CH.	ANNE.	L					
Channel #:	Wid (ft		Condition of channel bed:	Vegetation pr	present: flow perminter		s water appear nanent/ mittent/ known?	Is a defined bed and bank present?
СН-2	4		Mud, gravel, bedrock	Upland shrubs		Eph	nemeral	Yes
Photos	taken?	•	Data Points Mapped?	Are hydroph	ytic specie	s pre	esent?	
Ye	es		Yes		No			
Other comm	nents/	obser	vations:					
JURISDICA Is this chan Yes			TERMINATION AND RATIO	ONALE				
Rationale fo			onal decision: n ordinary high water mark.					

Field Person	inel:	Chu	ck Hughes and Stephen Stringe	r	Chan	nel #:	2 <b>a</b>	
Project/ Site	:	68 a	c Cameron Park			Date:	12 Jan 20	05
Applicant/ C	Owner:	Paci	fic Oak Development		County,	State:	El Dorado	o, CA
CONDITION	OF CH	4NNE	L					
Channel #:	Wid		Condition of channel bed:	Vegetation pr	esent:	flow peri inter	s water appear nanent/ mittent/ known?	Is a defined bed and bank present?
CH-2a	4		Mud	Upland shrubs		Ephemeral		Yes
Photos	taken?	,	Data Points Mapped?	Are hydrophy	ytic spec	ies pre	esent?	
Y	es		Yes		No			
Other com	ments/	obser	vations:					
JURISDIC	TIONA	L DE	TERMINATION AND RATIO	ONALE				
Is this chan Yes	nel juri	sdict	ional?					
Rationale f	or juris	dictio	onal decision:					

An ephemeral stream has flowing water only during and for a short duration after, precipitation events in a typical year. Ephemeral stream beds are located above the water table year-round. Groundwater is not a source of water for the stream. Runoff from rainfall is the primary source of water for stream flow. An intermittent stream has flowing water during certain times of the year, when groundwater provides water for stream flow. During dry periods, intermittent streams may not have flowing water. Runoff from rainfall is a supplemental source of water for stream flow (66 FR 42099).

Natural drainage with an ordinary high water mark.

Field Personnel:	Chu	ck Hughes	Chan	nel #: 2b		
Project/ Site:	68 a	c Cameron Park		Date: 1 Apr 200	)5	
Applicant/ Owner:	Paci	fic Oak Development	County,	State: El Dorado	o, CA	
CONDITION OF CH	ANNE	L				
Channel Wid #: (ft	1	Condition of channel bed:	Vegetation present:	Does water flow appear permanent/ intermittent/ unknown?		
<b>CH-2b</b> 2		Mud, Cobble	Upland shrubs	Ephemeral		
Photos taken	?	Data Points Mapped?	Are hydrophytic spec	ophytic species present?		
Yes		Yes	No	No		
Other comments/	obser	vations:				
JURISDICTIONA Is this channel jur Yes		TERMINATION AND RATIO	ONALE			
Rationale for juris	dictio	onal decision:				
		n ordinary high water mark.				
year. Ephemeral str the stream. Runoff water during certain	ream b from r times	flowing water only during and eds are located above the water ainfall is the primary source of of the year, when groundwater not have flowing water. Runoff	table year-round. Groundwa water for stream flow. An in provides water for stream flo	ter is not a source termittent stream low. During dry pe	of water for has flowing criods,	

Field Person	inel: Chi	uck Hughes and Stephen Stringer	r C	hannel #: 3	
Project/ Site	: 68:	ac Cameron Park		Date: 12 Jan 20	005
Applicant/ C	Owner: Pac	ific Oak Development	Coun	ty, State: El Dorad	o, CA
CONDITION	OF CHANNE	EL			
Channel #:	Width: (ft)	Condition of channel bed:	Vegetation present:	Does water flow appear permanent/ intermittent/ unknown?	Is a defined bed and bank present?
СН-3	1	Mud, rock	None	Ephemeral	Yes
Photos	taken?	Data Points Mapped?	Are hydrophytic sp	ecies present?	
Y	es	Yes	No		
Other com	ments/ obse	rvations: Channel is eroded.			
Is this char Yes Rationale f	nnel jurisdic	ettermination and rational?  onal decision: an ordinary high water mark.	ONALE		

Field Person	nel:	Chu	ck Hughes and Stephen Stringe	er	Channe	el #:	4	
Project/ Site	:	68 a	c Cameron Park		D	ate:	12 Jan 2005	
Applicant/ C	Owner:	Paci	fic Oak Development		County, Sta	ate:	El Dorado	o, CA
CONDITION	OF CH.	4NNE	L					
Channel #:	Wid (ft		Condition of channel bed:	Vegetation pr	Does water flow appear permanent/intermittent/unknown?		appear nanent/ mittent/	Is a defined bed and bank present?
CH-4	6		Mud, cobble	Cattails, willow	Intermitt		rmittent	Yes
Photos taken? Data Points Mapped? Are hydrophytic species present?								
Y	es		Yes		Yes			
Other com	ments/	obser	vations:					
Is this chan Yes Rationale f	nel jur	isdict	TERMINATION AND RATIO ional? onal decision: n ordinary high water mark.	ONALE				

Field Personnel:	Chuck Hughes and Stephen Stringer	Channel #:	4a
Project/ Site:	68 ac Cameron Park	Date:	12 Jan 2005
Applicant/ Owner:	Pacific Oak Development	County, State:	El Dorado, CA

## CONDITION OF CHANNEL

Channel #:	Width: (ft)	Condition of channel bed:	Vegetation present:	Does water flow appear permanent/ intermittent/ unknown?	Is a defined bed and bank present?
СН-4а	2	Slurry, mud	Upland shrubs	Ephemeral	Yes
Photos Y	taken? es	Data Points Mapped? Yes	Are hydrophytic spec	Are hydrophytic species present? No	

Other comments/ observations: 2 foot width up to dirt road, 1 foot above dirt road.

# JURISDICTIONAL DETERMINATION AND RATIONALE

Is this channel jurisdictional? Yes

Rationale for jurisdictional decision:

Natural drainage with an ordinary high water mark.

Field Person	nel: <u>C</u>	huck Hughes and Ste	phen Stringe	<u>r</u>	Chan	nel #: 4b	
Project/ Site	: 6	ac Cameron Park				Date: 12 Jan 20	05
Applicant/ C	Owner: P	acific Oak Developme	ent		County,	State: El Dorado	o, CA
CONDITION	OF CHAN	NEL .					
Channel #:	Width: (ft)	Condition of bed:	channel	Vegetation present:		Does water flow appear permanent/ intermittent/ unknown?	Is a defined bed and bank present?
CH-4b	1	Mud, col	oble	Upland shrubs		Ephemeral	Yes
Photos taken? Data Points Mapped? Are hydrophytic species present?							
N	o	Yes			No		
Other com	ments/ ob:	ervations: Consiste	nt 1 foot wi	dth.			
Is this chan Yes Rationale f	nel jurisd	DETERMINATION And ictional?  tional decision: an ordinary high v		ONALE			
	2	, 5					

Field Person	nel:	Chuck Hughes and Stephen Stringer Channel #: 4c						
Project/ Site	: _	68 a	c Cameron Park		Date: 12 Jan 20	05		
Applicant/ C	)wner: _	Paci	fic Oak Development	County,	State: El Dorado	o, CA		
CONDITION	OF CHA	NNE	L					
Channel #:	Widtl (ft)		Condition of channel bed:	Vegetation present:	Does water flow appear permanent/ intermittent/ unknown?	Is a defined bed and bank present?		
CH-4c	1		Mud, cobble	Upland shrubs	Ephemeral	Yes		
Photos	taken?		Data Points Mapped?	Are hydrophytic spec	e hydrophytic species present?			
N	lo		Yes	No				
Other com	ments/ o	bser	vations: Most of channel ina	ccessible.				
JURISDICTIONAL DETERMINATION AND RATIONALE Is this channel jurisdictional? Yes								
			onal decision:					
Natural dra	Natural drainage with an ordinary high water mark.							

# APPENDIX G.

Photographs of the Project Study Area

68 acre Cameron Park El Dorado County, CA

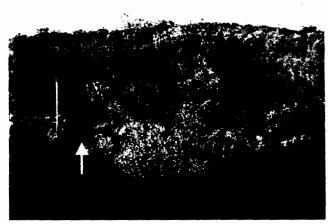


Photo 1. View north of gabbroic northern mixed chaparral in the PSA. The arrow points to data point 2 (12 January 2005).



Photo 3. View southeast of emergent wetland (cattail wetland) 1 (21 January 2005).

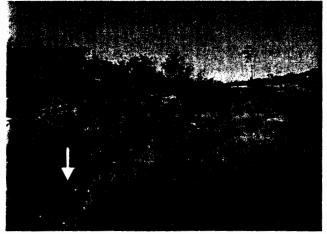


Photo 5. View north of CH 1a (arrow). The cleared EID easement is on the right (12 January 2005).



Photo 2. View west up CH 1 near the southern boundary of the PSA (15 December 2004).



Photo 4. View north across CH 1 in the EID easement. The arrow points to CH 1. The cleared area in the background is the alignment of the easement (12 January 2005).



Photo 6. View east of CH 2 (12 January 2005).



Photo 7. View northeast. The arrow points to the confluence of CH 2 and CH 2a. Gabbroic northern mixed chaparral is in the background (12 January 2005).



Photo 8. View south of CH 3 (arrow) a few feet south of the PSA boundary (12 January 2005).



Photo 9. View west of CH 4 (arrow). Scrub-shrub wetland (red willow riparian forest) 1 is along CH 4 (21 January 2005).

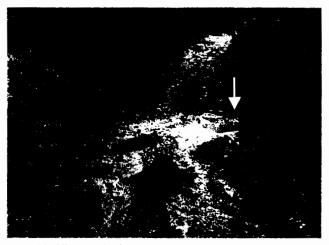


Photo 10. View south of CH 4a (arrow; 12 January 2005).



Photo 11. View west of the cleared area in southwestern portion of PSA (12 January 2005).



Photo 12. View west of a trail through the gabbroic northern mixed chaparral (21 January 2005).

G-2

# **DEVELOPMENT SERVICES DEPARTMENT**

County of EL DORADO

http://www.co.el-dorado.ca.us/devservices

PLANNING SERVICES



PLACERVILLE OFFICE: 2850 FAIRLANE COURT PLACERVILLE, CA. 95667 (530) 642-0508 Fax Counter Hours: 7:30 AM to 4:30 PM planning@co.el-dorado.ca.us LAKE TAHOE OFFICE:
3368 LAKE TAHOE BLVD. SUITE 302
SOUTH LAKE TAHOE, CA 96150
(530) 573-3330
(530) 542-9082 Fax
Counter Hours:7:30 AM to 4:30 PM
tahoebuild@co.el-dorado.ca.us

EL DORADO HILLS OFFICE:
4950 HILLSDALE CIRCLE, SUITE 100
EL DORADO HILLS, CA 95762
(916) 941-4967 and (530) 621-5582
(916) 941-0269 Fax
Counter Hours: 7:30 AM to 4:30 PM
planning@co.el-dorado.ca.us

September 19, 2006

Erik Pilegaard 2452 Bay View Avenue Carmel, CA 93923-9119

Dear Mr. Pilegaard:

Your applications for the Cameron Park Congregate Care facility (A06-0003/Z05-0008/TM05-1400/P05-0014/PD05-0005/S05-0017) have been forwarded to the Board of Supervisors and will be considered on September 26, 2006, at 2:00 p.m., in the Supervisors Meeting Room, 330 Fair Lane, Placerville, CA 95667. A copy of the memo to the Board is enclosed for your information. If you have any questions, please contact Planning Services at (530) 621-5355.

Sincerely,

Jo Ann Brillisour

Clerk to the Planning Commission

To Our Bullis un

**Enclosure** 

cc: Carlton Engineering, Inc.

PFF:km CPVenturesRez 9/7/06



<b>ORDINANCE</b>	NO.	

# THE BOARD OF SUPERVISORS OF THE COUNTY OF EL DORADO DOES ORDAIN AS FOLLOWS:

# RELATED TO REZONING IN THE CAMERON PARK AREA PETITIONED BY CAMERON PARK VENTURES

Section 1. The Official Zoning Map for the Cameron Park Area is hereby amended to rezone the following described lands from Estate Residential Ten-acre/Planned Development (RE-10/PD) zone to Commercial-Planned Development (C-PD) (Parcel 2 of Exhibit A) and Limited Multifamily Residential-Planned Development (R2-PD) (Parcel 3 of Exhibit A) zone:

# Cameron Park Area

Deputy Clerk

Assessor's Parcel No. 083-350-43, being described as Sections 2 and 3, Township 9 North, Range 9 East, M.D.M., consisting of 14.16 acres (Parcel 2) and 12.05 acres (Parcel 3)

Section 2. This ordinance shall take effect and shall become effective thirty (30) days following the adoption hereof.

held on theday of,	2006, by the following vote of said Board:
	Ayes:
ATTEST	
CINDY KECK	Noes:
Clerk of the Board of Supervisors	Absent:
Ву	
Deputy Clerk	Chairman, Board of Supervisors
I CERTIFY THAT:	
THE FOREGOING INSTRUMENT IS A CO	ORRECT COPY OF THE ORIGINAL ON FILE IN THIS OFFICE
Date	
ATTEST: CINDY KECK, Clerk of the Board of the County of El Dorado, State of Californ	
By	

**EXHIBIT A** 

# Tentative Parcel Map Come Dad Congress

STATE of CALIFORNIA F=200' A PORTION OF LOT 5 OF 50 5-39 AND A PORTION OF THE NE, W4 OF SECTION 2. AND THE N.W. V4 OF SECTION 2. T. 8 N., R. 8 E., M.D.M. COUNTY of EL DORADO

PECEMPER, 2005

SHEET I of 1

CARLTON ENGINEERING INC.  PACIFIC GAKS DEVELOPMENT 9266 CHERY LANE ORANGEVALE, CA 96662 916-426-6066

OWNER / APPLICANT:

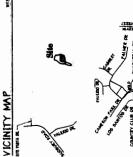
WAP PREPARED BY:

Section, Township, Ran,

IZJAG ACRES EL DORADO IRRIGATION DISTRICT PUBLIC CAMERON PARK CSD FIRE foral Parcel Area.

foral Number of Parcels:
Minimum Parcel Area.

Water Supply:
Sowage Disposal:
Structural Fire Protection:



# PLANNING DIRECTOR

BOARD OF SUPERVISORS Date:

Date Date

