

APPENDIX C: BIOLOGICAL RESOURCES

Appendix C consists of a series of tables on 26 pages:

- C-1 Carpinteria Creek Bird List, source: Bob Hansen. 13 pages

- C-2 Carpinteria Creek List of Invertebrate Species; Source: Ecology Consultants, 2004. 1 page

- C-3 Carpinteria Creek Plant List; Source: Larry Ballard. 7 pages

- C-4 Carpinteria Creek Fish Species List; Sources: Padre & Associates, 2002, and Ecology Consultants, 2004. 1 page

- C-5 Carpinteria Creek Amphibians and Reptiles List; Sources: Padre & Associates, 2002, and Ecology Consultants, 2004. 1 page

- C-6 Carpinteria Creek Mammals List; Sources: Padre & Associates, 2002, and Ecology Consultants, 2004. 1 page

- C-7 Salmonid Documentation Table from Stoecker et al. 2002. 2 pages (hardcopy only)

APPENDIX C1
 Carpinteria Creek Bird List
 Source: Bob Hansen

Common name	Scientific name	Sighting freq	Res type	Other	Other notes	State Introduced list	1944 Bird List* (Introduced or unknown origin)	Status (per Avibase)	USFWS Threatened and Endangered	State Threatened and Endangered	State Species of Concern	State Fully Protected Species
Acorn Woodpecker	Melanerpes formicivorus	F	P									
Allen's hummingbird	Selasphorus sasin	F	S									
American avocet	Recurvirostra americana	X	W									
American Coot	Fulica americana	F	P									
American crow	Corvus brachyrhynchos	C	P									
American goldfinch	Carduelis tristis	F	P									
American Kestrel	Falco sparverius	F	P									
American pipit	Anthus rubescens	R	T									
American redstart	Setophaga ruticilla	R	V									
American robin	Turdus migratorius	F	P									
American Wigeon	Anas americana	X	W									
Anna's hummingbird	Calypte anna	C	P									
Ash-throated flycatcher	Myiarchus cinerascens	U	S									
Baltimore oriole	Icterus galbula	X	T		1 record 30 jan 00							
Band-tailed Pigeon	Patagioenas fasciata	U	P									
Barn owl	Tyto alba	R	P									
Barn swallow	Hirundo rustica	F	S									
Bell's vireo	Vireo bellii	X	T	RR	1 record: 24 aug - 1 sep 87							
Belted kingfisher	Ceryle alcyon	U	P									
Bewick's wren	Thryomanes bewickii	C	P									
Black crowned night heron	Nycticorax nycticorax	U	P									
Black necked stilt	Himantopus mexicanus	X	W									
Black Phoebe	Sayornis nigricans	C	P									
Black Scoter	Melanitta nigra		Offshore									
Black Skimmer	Rynchops niger	X	T		1 record 5 on 10 feb 92						Third priority	

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Black Turnstone	<i>Arenaria melanocephala</i>	R	W									
Black-and-white warbler	<i>Mniotilta varia</i>	R	V									
Black-bellied Plover	<i>Pluvialis squatarola</i>	U	W									
Black-chinned hummingbird	<i>Archilochus alexandri</i>	U	S									
Black-headed grosbeak	<i>Pheucticus melanocephalus</i>	F	S									
Blackpoll warbler	<i>Dendroica striata</i>	X	V									
Black-throated blue warbler	<i>Dendroica caerulescens</i>	X	T		1 record 27-28 sep 97							
Black-throated gray warbler	<i>Dendroica nigrescens</i>	U	T									
Blue grosbeak	<i>Passerina caerulea</i>	R	T									
Blue-gray gnatcatcher	<i>Polioptila caerulea</i>	U	W									
Blue-headed vireo	<i>Vireo solitarius</i>	X	V		at least 1 record, 22 sep 80			Rare/Accidental				
Blue-winged Teal	<i>Anas discors</i>	X	T									
Bonaparte's Gull	<i>Larus philadelphia</i>	F	W									
Brandt's Cormorant	<i>Phalacrocorax penicillatus</i>		Offshore									
Brant	<i>Branta bernicla</i>	X	T									
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	C	P									
Broad-winged hawk	<i>Buteo platypterus</i>	X	V									
Brown Creeper	<i>Certhia americana</i>	R	W		1 record: 20 oct 84							
Brown Pelican	<i>Pelecanus occidentalis</i>		Offshore						E	SE		X
Brown Pelican	<i>Pelecanus occidentalis</i>	X			1 record: 5 nov 02				E	SE		X
Brown-headed cowbird	<i>Molothrus ater</i>	F	P									
Bullock's oriole	<i>Icterus bullockii</i>	U	S									
Bushitit	<i>Psaltirparus minimus</i>	C	P									

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California thrasher	Toxostoma redivivum	R	P									
California towhee	Pipilo crissalis	C	P									
Calliope hummingbird	Stelidopteryx serripennis	X	T		1 record: 5 may 02							
Canada warbler	Wilsonia canadensis	X	V									
Caspian Tern	Sterna caspia	R	T									
Cassin's kingbird	Tyrannus vociferans	R	S									
Cassin's vireo	Vireo cassinii	R	T									
Cattle Egret	Bubulcus ibis	X	W									
Cedar waxwing	Bombus ciliatus	F	W									
Chestnut-backed chickadee	Parus rufescens	X	V									
Chestnut-sided warbler	Dendroica pensylvanica	X	V									
Chipping sparrow	Spizella passerina	X	T									
Cinnamon teal	Anas cyanoptera	R	T									
Clay-colored sparrow	Spizella pallida	X	V									
Cliff swallow	Petrochelidon pyrrhonota	C	S									
Common Ground-dove	Columba passerina	X	T									
Common Loon	Gavia immer		Offshore								Highest priority	
Common Murre	Uria aalge		Offshore									
Common raven	Corvus corax	R	P									
Common Stipe	Gallinago gallinago	R	W									
Common Yellowthroat	Geothlypis trichas	C	P									
Cooper's Hawk	Accipiter cooperii	U	W									Third priority
Dark-eyed (Oregon) junco	Junco hyemalis	F	W									
Double-crested Cormorant	Phalacrocorax auritus		Offshore									Second priority
Downy woodpecker	Picoides pubescens	C	P									

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Dunlin	<i>Callidris alpina</i>	R	W									
Dusky-capped flycatcher	<i>Myiarchus tuberculifer</i>	X	V		1 record 12-14 apr 99			Rare/Accidental				
Eared Grebe	<i>Podiceps nigricollis</i>	R	W									
Eastern Kingbird	<i>Tyrannus tyrannus</i>	X	T		1 record: 20 sep 98 (D. Compton)							
Eastern Phoebe	<i>Sayornis phoebe</i>	X	V		1 record: 19-20 oct 85							
Elegant Tern	<i>Sterna elegans</i>	U	T					Near-threatened Not in Avibase records			Third priority	
European sp	#N/A	X	V		1 record: 25-26 feb 77			Introduced species				
European starling	<i>Sturnus vulgaris</i>	C	P			X	X					
Forster's Tern	<i>Sterna forsteri</i>	U	W									
Forster's Tern	<i>Sterna forsteri</i>	U	Offshore									
Fox sparrow	<i>Passerella iliaca</i>	U	W									
Gadwall	<i>Anas strepera</i>	X	W									
Glaucous-winged Gull	<i>Larus glaucescens</i>	U	W									
Golden-crowned kinglet	<i>Regulus satrapa</i>	R	T									
Golden-crowned sparrow	<i>Zonotrichia atricapilla</i>	F	W									
Golden-winged warbler	<i>Vermivora chrysoptera</i>	X	V		1 record 1-2 june 84			Rare/Accidental				
Great Blue Heron	<i>Ardea herodias</i>	R	P									
Great Crested flycatcher	<i>Myiarchus crinitus</i>	X	V	RR	1 record 19-20 oct 84			Rare/Accidental				
Great Egret	<i>Ardea alba</i>	R	P									
Great horned owl	<i>Bubo virginianus</i>	R	P									
Greater scaup	<i>Aythya marila</i>	X	T		1 record: 30 oct 94							
Greater Yellowlegs	<i>Tringa melanoleuca</i>	R	W									
Green heron	<i>Butorides virescens</i>	U	P									
Green-tailed towhee	<i>Pipilo chlorurus</i>	X	V									
Green-winged Teal	<i>Anas carolinensis</i>	R	W									
Hairy woodpecker	<i>Picoides villosus</i>	U	P									

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Hammond's flycatcher	Empidonax hammondi	X	T									
Heermann's Gull	Larus heermanni	C	W					Near-threatened				
Hermit thrush	Catharus guttatus	F	W									
Hermit warbler	Dendroica occidentalis	R	T									
Hooded Merganser	Lophodytes cucullatus	X	T		1 record 29-30 nov 95							
Hooded oriole	Icterus cucullatus	F	S									
Hooded warbler	Wilsonia citrina	X	V		1 record: 13 may 92							
Horned Grebe	Podiceps auritus	R	W									
Horned lark	Eremophila alpestris	X	T									
House finch	Carpodacus mexicanus	C	P									
House sparrow	Passer domesticus	C	P			X	X	Introduced species				
House wren	Troglodytes aedon	C	P									
Hutton's vireo	Vireo huttoni	U	P									
Indigo bunting	Passerina cyanea	X	V									
Kentucky warbler	Oporornis formosus	X	V		2 records 22-23 aug 85 16 may 02							
Killdeer	Charadrius vociferus	U	P									
Lawrence's goldfinch	Carduelis lawrencei	R	V									
Lazuli bunting	Passerina amoena	R	T									
Least flycatcher	Empidonax minimus	X	V		2 records: 23 oct 82, 15 jan 83, 20-21 sep 92							
Least Sandpiper	Calidris minutilla	U	W									
Least Tern	Sterna antillarum		Offshore									
Lesser goldfinch	Carduelis psaltria	F	P									
Lesser Scaup	Aythya affinis	X	W									
Lesser Yellowlegs	Tringa flavipes	R	T									
Lincoln's sparrow	Melospiza lincolni	F	W									
Little Gull	Larus minutus	X	W		1 record: 8-9 jan 90			Rare/Accidental				

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Loggerhead Shrike	Lanius ludovicianus	U	W								Additions to list	
Long-billed curlew	Numenius americanus	R	T					Near-threatened			Additions to list	
Long-billed Dowitcher	Limnodromus scolopaceus	U	W									
Lucy's warbler	Vermivora luciae	X	V									
MacGillivray's warbler	Oporornis tolmiei	R	T									
Magnolia warbler	Dendroica magnolia	X	V									
Mallard	Anas platyrhynchos	C	P									
Marbled Godwit	Limosa fedoa	U	W									
Marsh wren	Cistothorus palustris	U	T									
Merlin	Falco columbarius	R	W	RR							Highest priority	
Mew Gull	Larus canus	F	W									
Mountain chickadee	Poecile gambeli	X	V									
Mourning Dove	Zenaidura macroura	C	P									
Mourning warbler	Oporornis philadelphia	X	V									
Nashville warbler	Vermivora ruficapilla	R	T									
Northern flicker	Colaptes auratus	F	P									
Northern Mockingbird	Mimus polyglottos	C	P									
Northern parula	Parula americana	X	V									
Northern Pintail	Anas acuta	X	T									
Northern rough-winged swallow	Steigidopteryx serripennis		S									
Northern Shoveler	Anas clypeata	X	W									
Northern waterthrush	Seiurus noveboracensis	R	V									
Nuttall's woodpecker	Picoides nuttallii	F	P									
Oak titmouse	Baeolophus inornatus	F	P									
Olive-sided flycatcher	Contopus cooperi	R	T									

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Orange-crowned warbler	<i>Vermivora celata</i>	C	P									
Orchard oriole	<i>Icterus spurius</i>	X	V		1 record jan-feb 80							
Osprey	<i>Pandion haliaetus</i>	U	T		1 record 28 dec 97						Second priority	
Ovenbird	<i>Seiurus aurocapilla</i>	X	V									
Pacific Loon	<i>Gavia pacifica</i>		Offshore									
Pacific-slope flycatcher	<i>Empidonax difficilis</i>	F	S									
Painted bunting	<i>Passerina ciris</i>	X	V		2 records 15-17 sep 89 13 sep 97			Rare/Accidental				
Palm warbler	<i>Dendroica palmarum</i>	X	V									
Parasitic Jaeger	<i>Stercorarius parasiticus</i>		Offshore									
Pelagic Cormorant	<i>Phalacrocorax pelagicus</i>		Offshore									
Phainopepla	<i>Phainopepla nitens</i>	R	T									
Philadelphia vireo	<i>Vireo philadelphicus</i>	X	V		3 records 1 oct 86, 27 sep 97, 5 oct 98, 5 oct 01 (B. Hansen)							
Pied-bill grebe	<i>Podilymbus podiceps</i>	R	P									
Pine siskin	<i>Carduelis pinus</i>	R	W									
Plumbeous vireo	<i>Vireo plumbeus</i>	R	V		3 records: one undated, early oct 96, 4 dec 00							
Prairie warbler	<i>Dendroica discolor</i>	X	V		1 record 21-27 oct 96							
Prothonotary warbler	<i>Protonotaria citrea</i>	X	V									
Purple finch	<i>Carpodacus purpureus</i>	U	P									
Red Knot	<i>Calidris canutus</i>	X	T									
Red-breasted Merganser	<i>Mergus serrator</i>	X	W									
Red-breasted nuthatch	<i>Sitta canadensis</i>	R	T									

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Red-breasted sapsucker	Sphyrapicus ruber	U	W									
Red-eyed vireo	Vireo olivaceus	X	V									
Redhead	Aythya americana	X	T									
Red-naped sapsucker	Sphyrapicus nuchalis	X	T									
Red-necked Phalarope	Phalaropus lobatus		Offshore									
Red-necked Phalarope	Phalaropus lobatus	X	T		1 record: 24 may 98							
Red-shouldered hawk	Buteo lineatus	F	P									
Red-tailed hawk	Buteo jamaicensis	C	P									
Red-throated Loon	Gavia stellata		Offshore		B. Hansen 1980-2000							
Red-winged blackbird	Agelaius phoeniceus	F	P									
Ring-billed Gull	Larus delawarensis	C	W									
Ring-necked duck	Aythya collaris	X	T		1 record: 20 oct 97							
Rock Dove	Columba livia	C	P			X	X	Introduced species				
Rose-breasted grosbeak	Pheucticus ludovicianus	X	V									
Royal Tern	Sterna maxima	U	W									
Ruby-crowned kinglet	Regulus calendula	C	W									
Ruddy duck	Oxyura jamaicensis	X	T									
Ruddy Turnstone	Arenaria interpres	R	W									
Rusty blackbird	Euphagus carolinus	X	V		2 records 13 jan 17 feb 80 4-21 feb 84							
Sabine's Gull	Xema sabini	X	V		1 record: 19 sep 81							
Sanderling	Callidris alba	F	W									
Savannah sparrow	Passerculus sandwichensis	R	P									
Say's Phoebe	Sayornis saya	U	W									
Scarlet tanager	Piranga olivacea	X	V		2 records 14 sep 82, 2 nov 97			Rare/Accidental				
Scrub jay	Aphelocoma californica	C	P									

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Semipalmated Plover	Charadrius semipalmatus	R	W									
Sharp-shinned Hawk	Accipiter striatus	U	W								Third priority	
Short-billed Dowitcher	Limnodromus griseus	R	T									
Slate-colored junco	Junco hyemalis	X	W		2 records 23 dec 96 24 feb 97							
Snowy Egret	Egretta thula	R	P									
Snowy Plover	Charadrius alexandrinus	R	W	RR							Second priority	
Solitary Sandpiper	Tringa solitaria	X	T									
Song sparrow	Melospiza melodia	C	P									
Sooty Shearwater	Puffinus griseus		Offshore									
Sora	Porzana carolina	R	W									
Spotted Dove	Streptopelia chinensis	R	P			X	X	Introduced species				
Spotted Sandpiper	Actitis macularia	U	W									
Spotted towhee	Pipilo maculatus	F	P									
Summer tanager	Piranga rubra	X	V								Second priority	
Surf Scoter	Melanitta perspicillata		Offshore									
Surfbird	Aphriza virgata	X	T									
Swainson's Thrush	Catharus ustulatus	U	S	SR								
Swamp sparrow	Melospiza georgiana	X	V									
Tennessee Warbler	Vermivora peregrina	R	V									

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Thayer's Gull	<i>Larus thayeri</i>	X	T									
Townsend's warbler	<i>Dendroica townsendi</i>	F	W									
Tree swallow	<i>Tachycineta bicolor</i>	R	T									
Tricolored Blackbird	<i>Agelaius tricolor</i>	R	V								Additions to list	
Tundra Swan	<i>Cygnus columbianus</i>	X			1 record: 16 nov 02							
Turkey Vulture	<i>Cathartes aura</i>	C	P									
Varied thrush	<i>Ixoreus naevius</i>	R	W									
Vaux's Swift	<i>Chaetura vauxi</i>	R	T								Additions to list	
Violet-green swallow	<i>Tachycineta thalassina</i>	R	F									
Virginia Rail	<i>Rallus limicola</i>	R	T									
Virginia's warbler	<i>Vermivora virginiae</i>	X	V								Third priority	
Warbling vireo	<i>Vireo gilvus</i>	F	S	SR								
Western Gull	<i>Larus occidentalis</i>	C	P									
Western kingbird	<i>Tyrannus verticalis</i>	U	T									
Western Meadowlark	<i>Sturnella neglecta</i>	U	W									
Western Sandpiper	<i>Callidris mauri</i>	U	W									
Western tanager	<i>Piranga ludoviciana</i>	F	T									
Western Wood-Pewee	<i>Contopus sordidulus</i>	U	S	SR								
Whimbrel	<i>Numenius phaeopus</i>	U	T									
White-breasted nuthatch	<i>Sitta carolinensis</i>	U	W									
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	C	W									
White-eyed Vireo	<i>Vireo griseus</i>	X	V	RR	1 record: 21-30 oct 87			Rare/Accidental				
White-eyed Vireo	<i>Vireo griseus</i>	X	V		1 record: 18 nov 02			Rare/Accidental				
White-headed woodpecker	<i>Picoides albolarvatus</i>	X	V		1 record 7 sep- 4 nov 87							

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White-tailed Kite	Elanus leucurus	U	P									X
White-throated sparrow	Zonotrichia albicollis	X	V									
White-throated swift	Aeronautes saxatilis	R	T									
White-winged dove	Zenaidura macroura	X	V									
White-winged scoter	Melanitta fusca		Offshore									
Willet	Catoptrophorus semipalmatus	F	P									

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Willow flycatcher	<i>Empidonax traillii</i>	R	T									
Wilson's Phalarope	<i>Phalaropus tricolor</i>	X	T									
Wilson's warbler	<i>Wilsonia pusilla</i>	F	S	RR, SR								
Winter Wren	<i>Troglodytes</i>	U	T									
Wood duck	<i>Aix sponsa</i>	X	W		mary-may 92, 2 nov 97, 8 jan 01 2 records 16 aug 93 26 sep 8 nov 02							
Worm-eating warbler	<i>Helminthos vermivorus</i>	X	V					Rare/Accidental				
Wrentit	<i>Chamaea fasciata</i>	U	P									
Yellow warbler	<i>Dendroica petechia</i>	F	S	RR, SR							Second priority	
Yellow-bellied flycatcher	<i>Empidonax flaviventris</i>	X	V		1 record: 16 oct 87			Rare/Accidental				
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	X	T		2 records: 18-25 sep 86, 19 july 93							
Yellow-breasted chat	<i>Icteria virens</i>	X	T	RR							Second priority	
Yellow-headed blackbird	<i>Xanthocephalus xanthocephalus</i>	X	V									
Yellow-rumped Warbler	<i>Dendroica coronata auduboni</i>	C	W					Not in Avibase records				
"Audubon"	<i>Dendroica coronata coronata</i>	U	W					Not in Avibase records				
"Myrtle"	<i>Dendroica coronata coronata</i>	U	W									
Yellow-shafted flicker (Northern flicker)	<i>Colaptes auratus</i>	X	T									
Yellow-throated vireo	<i>Vireo flavifrons</i>	X	V		1 record 6-9 oct 95			Rare/Accidental				
Yellow-throated warbler	<i>Dendroica dominica</i>	X	V		1 record 2-3 june 84			Rare/Accidental				
* From The Distribution of the Birds of California: Joseph Grinnell and Alden H.												
Codes:												
C	common											
F	fairly common											

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U	uncommon											
R	rare											
X	very rare											
RR	regionally rare											
P	Permanent resident											
S	Summer resident											
W	Winter visitor											
T	Transient											
V	Vagrant											
SR	sensitive riparian local breeder											
E	Endangered											

APPENDIX C2
Carpinteria Creek Invertebrates
Source: Ecology Consultants, 2004

Study Reach	Lower Carpinteria Creek					Gobernador Creek				
	2000	2001	2002	2003	All 4 years	2000	2001	2002	2003	All 4 years
# specimens identified	300	300	300	300	1200	300	300	300	300	1200
# BMI families	18	13	17	17	25	22	37	29	30	44
# insect families	14	10	12	13	20	22	34	28	28	41
EPHEMEROPTERA (mayflies)	7	3	2	7	19	117	104	113	174	508
Baetidae	4	2	2	1	9	3	57	38	103	201
Caenidae	1	1	0	3	5	18	2	27	19	66
Emphemerellidae	0	0	0	0	0	40	12	0	1	53
Heptagenidae	0	0	0	0	0	2	16	33	30	81
Leptohyphidae	0	0	0	0	0	50	11	11	5	77
Leptophlebiidae	2	0	0	3	5	4	6	4	16	30
PLECOPTERA (stoneflies)	0	0	0	0	0	2	7	15	9	33
Chloroperlidae	0	0	0	0	0	1	1	1	0	3
Nemouridae	0	0	0	0	0	1	1	2	5	9
Perlidae	0	0	0	0	0	0	4	12	3	19
Perlodidae	0	0	0	0	0	0	1	0	1	2
TRICOPTERA (caddisflies)	0	0	0	0	0	20	21	88	32	161
Brachycentridae	0	0	0	0	0	0	1	28	0	29
Glossostomatidae	0	0	0	0	0	0	1	2	0	3
Helicopsychidae	0	0	0	0	0	5	4	17	2	28
Hydropsychidae	0	0	0	0	0	1	3	11	0	15
Hydroptilidae	0	0	0	0	0	0	0	0	2	2
Lepidostomatidae	0	0	0	0	0	6	1	12	13	32
Leptoceridae	0	0	0	0	0	0	0	1	0	1
Philopotamidae	0	0	0	0	0	0	3	3	4	10
Polycentropodidae	0	0	0	0	0	0	2	0	0	2
Psychomyiidae	0	0	0	0	0	0	1	1	1	3
Rhyacophilidae	0	0	0	0	0	8	5	8	9	30
Sericostomatidae	0	0	0	0	0	0	0	5	1	6
COLEOPTERA (beetles)	16	7	8	2	33	95	34	24	15	168
Dytiscidae	7	5	5	1	18	31	9	2	6	48
Elmidae	0	1	0	0	1	63	25	22	8	118
Gyrinidae	1	0	0	0	1	0	0	0	0	0
Halipidae	8	1	1	1	11	1	0	0	0	1
Hydrophilidae	0	0	2	0	2	0	0	0	0	0
Psphenidae	0	0	0	0	0	0	0	0	1	1
DIPTERA (true flies)	222	269	132	246	869	59	120	45	58	282
Ceratopogonidae	21	3	3	1	28	1	5	1	1	8
Chironomidae	160	244	96	231	731	7	81	32	34	154
Dixidae	0	0	0	0	0	0	1	2	2	5
Empididae	1	0	0	0	1	0	0	0	2	2
Ephydriidae	2	0	4	3	9	0	0	0	0	0
Muscidae	2	0	0	2	4	0	0	0	0	0
Psychodidae	0	1	2	0	3	2	2	2	0	6
Simuliidae	36	20	19	2	77	0	11	0	3	14
Stratiomyidae	0	1	5	1	7	49	16	4	1	70
Tipulidae	0	0	3	6	9	0	4	4	15	23
HEMIPTERA (true bugs)	1	0	0	0	1	5	1	0	0	6
Belostomatidae	1	0	0	0	1	5	1	0	0	6
ODONATA (dragonflies, damselflies)	0	0	1	0	1	2	6	11	3	22
Aeshnidae	0	0	0	0	0	0	2	0	0	2
Coenagrionidae	0	0	0	0	0	1	0	0	1	2
Cordulegastridae	0	0	0	0	0	1	2	6	2	11
Libellulidae	0	0	1	0	1	0	2	5	0	7
MEGALOPTERA (alderflies)	0	0	0	0	0	0	4	0	0	4
Corydalidae	0	0	0	0	0	0	1	0	0	1
Sialidae	0	0	0	0	0	0	3	0	0	3
COLLEMBOLA	1	0	0	5	6	0	0	0	0	0
ACARI (water mites)	0	0	0	0	0	0	2	0	0	2
GASTROPODA (Physa/Physella)	7	4	21	0	32	0	0	0	0	0
OSTRACODA (Cyprididae)	39	14	33	13	99	0	1	5	2	8
COPEPODA	6	0	14	0	20	0	0	0	0	0
CLADOCERA	0	0	38	1	39	0	0	0	0	0
OLIGOCHAETA (segmented worms)	1	3	51	26	81	0	1	0	7	8

APPENDIX C3: Carpinteria Creek Plant List, Source: Larry Ballard

Common Name	Scientific name	Native	CalIPC status (Invasive Species)	Other (Cited in Ferren-1985, not seen)	Noted by biologist in fieldwork 2000-03	State or Fed. Threatened and Endangered
Ageratina	Ageratina adenophora	N	A1			
Alkali heath	Frankenia salina	Y				
American Three-square	Scirpus americanus	Y		X		
Andean pampas grass, jubatagrass	Cortaderia jubata	N	A1			
Annual Blue grass	Poa annua	N				
Annual fescue	Vulpia bromoides	N				
Australian Brass buttons	Cotula australis	N				
Australian saltbush	Atriplex semibaccata	N	A2			
Baby's tears	Soleirola soleirolii	N				
Barnyard grass	Echinochloa crus-galli	N				
Beach bur	Ambrosia chamissonis	Y				
Beach evening primrose	Camissonia cheiranthifolia ssp. suffruticosa	Y				
Beach Sand verbena	Abronia umbellata	Y				
Beet	Beta vulgaris	N				
Bermuda buttercup	Oxalis pes-caprae	N	MI		X	
Bindweed	Convolvulus arvensis	N				
Bird's foot trefoil	Lotus corniculatus	Y				
Black cottonwood	Populus basamifera ssp. trichocarpa	Y			X	
Black mustard	Brassica nigra	N	B		X	
Bladder flower	Araujia sericifera	N				
Blue elderberry	Sambucus mexicana	Y			X	
Brass buttons	Cotula coronipifolia	N				
Brewer's saltbush	Atriplex lentiformis ssp. lentiformis	Y				
Broad-leaved cattail	Typha latifolia	Y				
Brown headed rush	Juncus phaeocephalus var. phaeocephalus	Y				
Bull mallow	Malva nicaeensis	N				
Bur-clover	Medicago polymorpha	N				
Bur-marigold	Bidens laevis	Y				
California Bulrush	Scirpus californicus	Y				
California dodder	Cuscuta salina	Y				
California figwort	Scrophularia californica	Y			X	
California poppy	Eschscholzia californica	Y				
California Wild blackberry	Rubus ursinus	Y			X	
Cape ivy, German ivy	Senecio mikanoides	N	A1		X	
Caper spurge, gopher plant	Euphorbia lathryis	N				

APPENDIX C3: Carpinteria Creek Plant List, Source: Larry Ballard

Common Name	Scientific name	Native	CalIPC status (Invasive Species)	Other (Cited in Ferren-1985, not seen)	Noted by biologist in fieldwork 2000-03	State or Fed. Threatened and Endangered
Castor bean	<i>Ricinus communis</i>	N	B		X	
Celery	<i>Apium graveolens</i>	N				
Chapparral mallow	<i>Malacothamnus fasciculatus</i>	Y				
Charlock	<i>Sinapsis arvensis</i>	N				
Cheeseweed	<i>Malva parviflora</i>	N				
Chenopodium	<i>Chenopodium pratericola</i>	Y				
Cleavers	<i>Galium aparine</i>	N				
Coast live oak	<i>Quercus agrifolia</i>	Y			X	
Coastal Goldenbush	<i>Isocoma menziesii</i> var. <i>vernonioides</i>	Y				
Coastal goosefoot	<i>Chenopodium macrospermum</i> var. <i>halophilum</i>	N				
Coastal morning glory	<i>Calystegia macrostegia</i> ssp. <i>cyclostegia</i>	Y				
Common Beggar-ticks	<i>Bidens pilosa</i>	N				
Common Chickweed	<i>Stellaria media</i>	N				
Common Groundsel	<i>Senecio vulgaris</i>	N				
Common knotweed	<i>Polygonum arenastrum</i>	N				
Common Monkey flower	<i>Mimulus guttatus</i>	Y				
Common plantain	<i>Plantago major</i>	N				
Common sow thistle	<i>Sonchus oleraceus</i>	N			X	
Common Tarweed	<i>Deinandra fasciculata</i>					
Common three-square	<i>Scirpus pungens</i>	Y		X		
Common vetch	<i>Vicia sativa</i> ssp. <i>sativa</i>	N				
Cotton-batting	<i>Gnaphalium stramineum</i>	Y				
Coyote Brush	<i>Baccharis pilularis</i>	Y				
Creek nettle	<i>Urtica dioica</i> ssp. <i>holosericea</i>	Y				
Creeking bent grass	<i>Agrostis stolonifera</i>	N				
Creeping wood sorrel	<i>Oxalis corniculata</i>	N				
Curly dock	<i>Rumex crispus</i>	N				
Dallis grass	<i>Paspalum dilatatum</i>	N				
Deerweed	<i>Lotus scoparius</i>	Y			X	
Ditchgrass	<i>Ruppia maritima</i>	Y				
Dock	<i>Rumex conglomeratus</i>	N				
Douglas nightshade	<i>Solanum douglasii</i>	Y				
Duckweed	<i>Lemna minor</i>	Y				
Durango Root	<i>Datisca glomerata</i>	Y				
Dwarf nettle	<i>Urtica urens</i>	N				
Eclipta	<i>Eclipta prostrata</i>	N				
English plantain	<i>Plantago lanceolata</i>	N				

APPENDIX C3: Carpinteria Creek Plant List, Source: Larry Ballard

Common Name	Scientific name	Native	CalIPC status (Invasive Species)	Other (Cited in Ferren-1985, not seen)	Noted by biologist in fieldwork 2000-03	State or Fed. Threatened and Endangered
Fairy mist	<i>Pterostegia drymarioides</i>	Y				
Feather grass	<i>Pennisetum setaceum</i>	N	A1			
Feather top	<i>Pennisetum villosum</i>	N				
Fennel leaved pondweed	<i>Potamogeton pectinatus</i>	Y				
Field mustard	<i>Brassica rapa</i>	N				
Fiesta flower	<i>Pholistoma auritum</i>	Y				
Flax-leaved Fleabane	<i>Conyza bonariensis</i>	N				
Four leaved allseed	<i>Polycarpon tetraphyllum</i>	N				
Garden asparagus	<i>Asparagus officinalis</i> ssp. <i>officinalis</i>	N				
Garden geranium	<i>Pelargonium peltatum</i>	N				
Garden nasturtium	<i>Tropaeolum majus</i>	N				
Giant horsetail	<i>Equisetum telmateia</i> ssp. <i>braunii</i>	Y				
Giant reed, arundo	<i>Arundo donax</i>	N	A1		X	
Giant rye	<i>Leymus condensatus</i>	Y				
Gravel Cryptantha	<i>Cryptantha decipiens</i>	Y				
Green everlasting	<i>Gnaphalium californicum</i>	Y				
Hairy crab grass	<i>Digitaria ischaemum</i>	N				
harding grass	<i>Phalaris aquatica</i>	N	B			
Heliotrope	<i>Heliotropium curassavicum</i>	Y				
Hoaryleaf Ceanothus	<i>Ceanothus crassifolius</i>	Y				
Hooker's Evening primrose	<i>Oenothera elata</i> ssp. <i>hirsutissima</i>	Y				
Horseweed	<i>Conyza canadensis</i>	N				
Hottentot fig	<i>Carpobrotus edulis</i>	N	A1			
Hyssop loosestrife	<i>Lythrum hyssopifolium</i>	N				
Indian rush	<i>Juncus textilis</i>	Y		X		
Iris leaved Rush	<i>Juncus xiphioides</i>	Y				
Italian ryegrass	<i>Lolium multiflorum</i>	N	AG			
Japanese honeysuckle	<i>Lonicera japonica</i>	N				
Jaumea	<i>Jaumea carnosa</i>	Y				
Jimson weed	<i>Datura vrightii</i>	Y				
Johnson grass	<i>Sorghum halepense</i>	N				
Kikuyu grass	<i>Pennisetum clandestinum</i>	N	MI			
Knotroot bristle grass	<i>Setaria gracilis</i>	N				
Knotted Hedge-parsley	<i>Torilis nodosa</i>	N				
Lamb's quarters	<i>Chenopodium album</i>	N				
Laural sumac	<i>Malosma laurina</i>	Y				

APPENDIX C3: Carpinteria Creek Plant List, Source: Larry Ballard

Common Name	Scientific name	Native	CalIPC status (Invasive Species)	Other (Cited in Ferren-1985, not seen)	Noted by biologist in fieldwork 2000-03	State or Fed. Threatened and Endangered
Lemonade berry	<i>Rhus integrifolia</i>	Y				
London Rocket	<i>Sisymbrium irio</i>	N				
Love grass	<i>Eragrostis barrelieri</i>	N				
Marsh purslane	<i>Ludwigia peploides</i> ssp. <i>peploides</i>	Y				
Marsh rosemary	<i>Limonium californicum</i>	Y				
Meadow fescue	<i>Festuca arundinacea</i>	N	B			
Mediterranean barley	<i>Hordeum marinum</i> ssp. <i>gussoneanum</i>	N				
Mediterranean or short-pod mustard	<i>Hirschfeldia incana</i>	N	MI			
Mexican love grass	<i>Eragrostis mexicana</i>	Y		X		
Mexican tea	<i>Chenopodium ambrosioides</i>	N				
Monterey cypress	<i>Cupressus macrocarpa</i>	N				
Monterey pine	<i>Pinus radiata</i>	N	MI			
Mosquito Fern	<i>Azolla filiculoides</i>	Y				
Mugwort	<i>Artemisia douglasiana</i>	Y				
Mulefat	<i>Baccharis salicifolia</i>	Y				
Myoporum	<i>Myoporum laetum</i>	N	A2		X	
Narrow leaved willow	<i>Salix exigua</i>	Y				
Nettle-leaved goosefoot	<i>Chenopodium murale</i>	N				
New Zealand Spinach	<i>Tetragonia tetragonioides</i>	N				
Periwinkle	<i>Vinca major</i>	N	B		X	
Petty spurge	<i>Euphorbia peplus</i>	N				
Pickleweed	<i>Salicornia virginica</i>	Y				
Pitted goosefoot	<i>Chenopodium berlandieri</i>	N				
Poison hemlock	<i>Conium maculatum</i>	N	B		X	
Poison oak	<i>Toxicodendron diversilobum</i>	Y			X	
Pokeweed	<i>Phytolacca americana</i>	N				
Prickly lettuce	<i>Lactuca serriola</i>	N				
Prickly ox tongue	<i>Picris echioides</i>	N			X	
Puncture vine	<i>Tribulus terrestris</i>	N				
Rabbitfoot grass, beard grass	<i>Polypogon monspeliensis</i>	N			X	
Rambling Phacelia	<i>Phacelia ramosissima</i> var. <i>austrolitoralis</i>	N				
Rattlesnake weed	<i>Daucus pusillus</i>	N				
Red apple	<i>Aptenia cordifolia</i>	N	MI			
Red willow	<i>Salix laevigata</i>	Y			X	
Redscale	<i>Atriplex rosea</i>	N				

APPENDIX C3: Carpinteria Creek Plant List, Source: Larry Ballard

Common Name	Scientific name	Native	CalIPC status (Invasive Species)	Other (Cited in Ferren-1985, not seen)	Noted by biologist in fieldwork 2000-03	State or Fed. Threatened and Endangered
Redstem Filaree	<i>Erodium cicutarium</i>	N				
Rescue grasss	<i>Bromus catharticus</i>	N				
River bulrush	<i>Scirpus maritimus</i>	Y				
River Red Gum	<i>Eucalyptus camaldulensis</i>	N				
Rothrock's Lobelia	<i>Lobelia dunnii</i> var. <i>serrata</i>	Y				
Russian thistle, tumbleweed	<i>Salsola tragus</i>	N	MI			
Salsify	<i>Tragopogon porrifolius</i>	N				
Salt grass	<i>Distichlis spicata</i>	Y				
Sand-spurrey	<i>Spergularia marina</i>	Y				
Scarlet Monkey flower	<i>Mimulus cardinalis</i>	Y			X	
Scarlet Pimpernel	<i>Anagallis arvensis</i>	N			X	
Scouring Rush	<i>Equisetum hyemale</i> ssp. <i>affine</i>	Y				
Sea fig	<i>Carpobrotus chilensis</i>	N				
Sea Rocket	<i>Cakile maritima</i>	N				
Seaside Fiddleneck	<i>Amsinckia spectabilis</i> var. <i>spectabilis</i>	Y		X		
Sharp leaved fluellin	<i>Kickxia elatine</i>	N				
Shiny leaved Barberry	<i>Berberis pinnata</i> ssp. <i>pinnata</i>	Y				
Silverweed	<i>Potentilla anserina</i> ssp. <i>pacifica</i>	Y				
Slenderleaved iceplant	<i>Mesembryanthemum nodiflorum</i>	N	MI			
Slim Aster	<i>Aster subulatus</i> var. <i>ligulatus</i>	Y				
Small flowered nightshade	<i>Solanum americanum</i>	N				
Small fruited bulrush	<i>Scirpus microcarpus</i>	Y				
Smilo grass	<i>Piptatherum miliaceum</i>	N	MI			
Smooth Cat's-ear	<i>Hypochoeris glabra</i>	N				
Smooth Scouring rush	<i>Equisetum laevigatum</i>	Y				
Sneezeweed	<i>Helenium puberulum</i>	Y				
Southern cattail	<i>Typha domingensis</i>	Y				
Spangletop	<i>Leptochloa fascicularis</i>	N				
Spearscale	<i>Atriplex triangularis</i>	N				
Spike rush	<i>Eleocharis montevidensis</i>	Y		X		
Spotted spurge	<i>Chamaesyce maculata</i>	N				
Statice	<i>Limonium sinuatum</i>	N				

APPENDIX C3: Carpinteria Creek Plant List, Source: Larry Ballard

Common Name	Scientific name	Native	CalIPC status (Invasive Species)	Other (Cited in Ferren-1985, not seen)	Noted by biologist in fieldwork 2000-03	State or Fed. Threatened and Endangered
Stephanomeria	Stephanomeria exigua ssp.coronaria	Y		X		
Sweet alyssum	Lobularia maritima	N				
Tall eragrostis	Cyperus eragrostis	Y				
Tasmanian blue gum	Eucalyptus globulus	N	A1			
Telegraph weed	Heterotheca grandiflora	Y				
Three ribbed arrow grass	Triglochin striata	Y		X		
Toad rush	Juncus bufonius var. bufonius	Y				
tocalote, Malta starthistle	Centaurea melitensis	N	B			
Tomato	Lycopersicon esculentum	N				
Toyon	Heteromeles arbutifolia	Y			X	
Tree tobacco	Nicotiana glauca	N	MI		X	
Tufted Love grass	Eragrostis pectinacea	Y				
Tumbleweed	Amaranthus alba	N				
Velvet grass or English ivy?	Hedera helix	N				
Virginia creeper	Parthenocissus sp.	N				
Water bent grass	Agrostis viridis	N				
Water parsnip	Berula erecta	Y		X		
Water smartweed	Polygonum punctatum	N				
Water speedwell	Veronica anagallis-aquatica	N			X	
Watercress	Rorippa nasturtium-aquaticum	Y			X	
Weedy Cudweed	Gnaphalium luteo-album	N				
Western Bracken Fern	Pteridium aquilinum var. pubescens	N				
Western Goldenrod	Euthamia occidentalis	Y				
Western Ragweed	Amrosia psilostachya	Y				
Western Sycamore	Platanus racemosa	Y				
Western vervain	Verbena lasiostachys	Y				
White alder	Alnus rhombifolia	Y			X	
White clover	Trifolium repens	N				
White everlasting	Gnaphalium canescens ssp, microcephalum	Y				
White sweet clover	Melilbtus alba	N				
Whitestem Filaree	Erodium moschatum	N				
Wild fennel	Foeniculum vulgare	N	A1		X	
Wild oat	Avena fatua	N	AG		X	
Wild radish	Raphanus sativus	N				

APPENDIX C3: Carpinteria Creek Plant List, Source: Larry Ballard

Common Name	Scientific name	Native	CalIPC status (Invasive Species)	Other (Cited in Ferren-1985, not seen)	Noted by biologist in fieldwork 2000-03	State or Fed. Threatened and Endangered
Willow herb	Epilobium ciliatum ssp. ciliatum	Y				
Willow lettuce	Lactuca saligna	N				
Windmill pink	Silene gallica	N				
Wood mint, hedge nettle	Stachys bullata	Y			X	
Wrinkled rush	Juncus rugulostrs	Y		X		
Yellow bristle grass	Setaria pumila	Y		X		
Yellow nut-grass	Cyperus esculentus	Y				
Yellow Salsify	Tragopogon dubius	N				
Yellow sweet clover	Melilotus indica	N				
Yellow willow	Salix lucida ssp. lasiandra	Y				
	Impatiens balfourii	N				
CALIPC status codes:						
A1: Most invasive wildland pest plants;widespread						
A2: Most invasive wildland pest plants;regional						
B: Wildland pest plants of lesser invasiveness						
RA:Red alert, species with potential to spread explosively						
MI: Need more information						
AG: Annual grass						

APPENDIX C4
 Fish Species in Carpinteria Creek
 Source: Padre and Associates, 2002; Ecology Consultants, 2004

Common Name	Scientific Name	State Threatened and Endangered	Federally Threatened & Endangered
Arrow goby	<i>Clevelandia ios</i>		
California killifish	<i>Fundulus parvipinnis</i>		
Coastal pricklysculpin	<i>Cottus aleuticus</i>		
Mosquito Fish	<i>Gambusia affinis</i>		
Pacific Lamprey	<i>Lampetra tridentate (Gairdner)</i>		
Rainbow trout (steelhead)	<i>Oncorhynchus mykiss</i>	X	FE
Staghorn sculpin	<i>Gymnocaanthus tricuspis</i>		
Threespine stickleback	<i>Gasterosteus aculeatus microcephalus</i>		
Tidewater goby	<i>Eucylogobius newberryi</i>	X	FE
Topsmelt	<i>Atherinops affinis</i>		
FE: Federally listed as endangered			

APPENDIX C5
Carpinteria Creek Amphibians and Reptiles

Common Name	Scientific Name	State Species of Concern	State fully protected species	Introduced species ¹	Noted by biologist 2000-2003 ²
Arboreal Salamander	<i>Aneides lugubris</i>				
Black-bellied salamander*	<i>Batrachoseps nigriventris</i>				
Blunt-nosed Leopard Lizard	<i>Crotaphytus silus</i>		X		
Bullfrog	<i>Rana catesbeiana</i>			X	
California Canyon Treefrog	<i>Hyla cadaverina</i>				
California Legless Lizard	<i>Anniella pulchra</i>				
California Mountain Kingsnake	<i>Lampropeltis zonata</i>				
California Newt	<i>Taricha torosa</i>	X			X
California Slender Salamander	<i>Bartrachoseps attenuatus</i>				
California tree frog	<i>Pseudacris cadaverina</i>				X
Coachwhip	<i>Masticophis flagellum</i>				
Coast Horned Lizard	<i>Phrynosoma coronatum</i>				
Common Garter Snake	<i>Thamnophis sirtalis</i>				
Common Kingsnake	<i>Lampropeltis getulus</i>				
Desert Night Lizard	<i>Xantusia vigilis</i>				
Ensatina	<i>Ensatina eschscholtzi</i>				
Foothill Yellow-legged Frog	<i>Rana boylei</i>	X			
Glossy Snake	<i>Arizona elegans</i>				
Gopher Snake	<i>Pituophis melanoleucus</i>				
Long-nosed Snake	<i>Rhinocheilus lecontei</i>				
Pacific Slender Salamander	<i>Batrachoseps pacificus</i>				
Pacific Treefrog	<i>Hyla regilla</i>				X
Red-legged Frog	<i>Rana aurora</i>				
Sagebrush Lizard	<i>Sceloporus graciosus</i>				
Sharp-tailed Sanke	<i>Contia tenuis</i>				
Side-blotched Lizard	<i>Uta stansburiana</i>				X
Southern Alligator Lizard	<i>Elgaria multicarinata</i>				
Southwestern Toad	<i>Bufo microscaphus</i>				
Spotted Night Snake	<i>Hypsiglena torquata</i>				
Striped Racer	<i>Masticophis lateralis</i>				
Tiger Salamander	<i>Ambystoma tigrinum</i>			X	
Two Striped Garter Snake*	<i>Thamnophis hammondi</i>	X			
Western Aquatic Garter Snake	<i>Thamnophis couchi</i>				
Western Black-headed Snake	<i>Tantilla planiceps</i>				
Western Blind Snake	<i>Leptotyphlops humilis</i>				
Western Fence Lizard	<i>Sceloporus occidentalis</i>				X
Western Patch-nosed Snake	<i>Salvadora hexalepis</i>				
Western Pond Turtle	<i>Clemmys marmorata</i>	X			X
Western Racer	<i>Coluber constrictor</i>				
Western Rattlesnake	<i>Crotalus viridis</i>				
Western Ringneck Snake	<i>Diadophis punctatus</i>				
Western Skink	<i>Eumeces skiltonianus</i>				
Western Spadefoot	<i>Scaphiopus hammondi</i>	X			
Western Terrestrial Garter Snake	<i>Thamnophis elegans</i>				
Western Toad	<i>Bufo boreas</i>				
Western Whiptail	<i>Cnemidophorus tigris</i>				

Source: Checklist of Amphibians and Reptiles of Santa Barbara County, CA (Santa Barbara Museum of Natural History)

APPENDIX C6
Carpinteria Creek Mammals
Source: Padre and Associates, 2002; Ecology Consultants, 2004

Common Name	Scientific Name	State Introduced List	State Threatened and Endangered	USFWS Threatened and Endangered	Introduced species	State Species of Concern	Noted by Ecology Consultants
Coyote	<i>Canis latrans</i>						X
Virginia opossum	<i>Didelphis virginiana</i>	X			X		
Merriam chipmunk	<i>Eutamias merriami</i>						
Mountain lion	<i>Felis concolor</i>						
Black tailed jackrabbit	<i>Lepus californicus</i>						X
Bobcat	<i>Lynx rutilus</i>						
Long-tailed weasel	<i>Mustela frenata</i>						
Mule deer	<i>Odocoileus hemionus</i>						X
Raccoon	<i>Procyon lotor</i>						X
Western gray squirrel	<i>Sciurus griseus</i>						
California ground squirrel	<i>Spermophilus beecheyi</i>						X
Brush rabbit	<i>Sylvilagus bachmani</i>						
Botta's pocket gopher	<i>Thomomys bottae</i>						
Gray fox	<i>Urocyon cinereoargenteus</i>						X
Other rodents- mice, rats, wood rats, voles							
Broad footed mole	<i>Scapanus latimanus</i>						X
Black bear	<i>Ursus americanus</i>						X