APPENDIX D

USFWS OFFICIAL SPECIES LIST FOR CHARLES M. SCHULZ SONOMA COUNTY AIRPORT

United States Department of the Interior
FISH AND WILDLIFE SERVICE
Sacramento Fish and Wildlife Office
2800 Cottage Way, Room W-2605
Sacramento, California 95825

May 3, 2011

Document Number: 110503052814

George Molnar
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157 Park Place
Point Richmond, CA 94801

Subject: Species List for Charles M. Schulz Sonoma County Airport - Runway Safety Enhancement Project

Dear: Senior Wetland Biologist

We are sending this official species list in response to your May 3, 2011 request for information about endangered and threatened species. The list covers the California counties and/or U.S. Geological Survey 7½ minute quad or quads you requested.

Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our lists include all of the sensitive species that have been found in a certain area *and also ones that may be affected by projects in the area*. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the species we want people to consider when they do something that affects the environment.

Please read Important Information About Your Species List (below). It explains how we made the list and describes your responsibilities under the Endangered Species Act.

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be August 01, 2011.

Please contact us if your project may affect endangered or threatened species or if you have any questions about the attached list or your responsibilities under the Endangered Species Act. A list of Endangered Species Program contacts can be found at www.fws.gov/sacramento/es/branches.htm.

Endangered Species Division

TAKE PRIDE IN AMERICA

U.S. Fish & Wildlife Service
Sacramento Fish & Wildlife Office
Federal Endangered and Threatened Species that Occur in or may be Affected by Projects in the Counties and/or U.S.G.S. 7 1/2 Minute Quads you requested

Document Number: 110527015052

Database Last Updated: April 29, 2010

Quad Lists

Listed Species

Invertebrates

Syncaris pacifica

California freshwater shrimp (E)

Fish

Oncorhynchus kisutch

coho salmon - central CA coast (E) (NMFS)

Critical habitat, coho salmon - central CA coast (X) (NMFS)

Oncorhynchus mykiss

Central California Coastal steelhead (T) (NMFS)

Central Valley steelhead (T) (NMFS)

Critical habitat, Central California coastal steelhead (X) (NMFS)

Oncorhynchus tshawytscha

California coastal chinook salmon (T) (NMFS)

Central Valley spring-run chinook salmon (T) (NMFS)

Critical habitat, California coastal chinook salmon (X) (NMFS)

winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

Ambystoma californiense

California tiger salamander, central population (T)

California tiger salamander, Sonoma Co. pop (E)

Rana draytonii

California red-legged frog (T)

Critical habitat, California red-legged frog (X)

Birds

Strix occidentalis caurina

northern spotted owl (T)

Plants

Alopecurus aequalis var. sonomensis

Sonoma alopecurus (E)

Astragalus clarianus

Clara Hunt's milk-vetch (E)

Blennosperma bakeri

Baker's stickyseed [=Sonoma Sunshine] (E)

Carex albida
white sedge (E)

Clarkia imbricata
Vine Hill clarkia (E)

Lasthenia burkei
Burke's goldfields (E)

Lilium pardalinum ssp. pitkinense
Pitkin Marsh lily (E)

Limnanthes vinculans
Sebastopol meadowfoam (E)

Navarretia leucocephala ssp. plieantha
many-flowered navarretia (E)

Proposed Species

Amphibians

Rana draytonii
Critical habitat, California red-legged frog (PX)

Quads Containing Listed, Proposed or Candidate Species:

SANTA ROSA (501B)
SEBASTOPOL (502A)
MARK WEST SPRINGS (517C)
HEALDSBURG (518D)

County Lists

No county species lists requested.

Key:

(E) *Endangered* - Listed as being in danger of extinction.

(T) *Threatened* - Listed as likely to become endangered within the foreseeable future.

(P) *Proposed* - Officially proposed in the Federal Register for listing as endangered or threatened.

(NMFS) Species under the Jurisdiction of the National Oceanic & Atmospheric Administration Fisheries Service. Consult with them directly about these species.

Critical Habitat - Area essential to the conservation of a species.

(PX) *Proposed Critical Habitat* - The species is already listed. Critical habitat is being proposed for it.

(C) *Candidate* - Candidate to become a proposed species.

(V) Vacated by a court order. Not currently in effect. Being reviewed by the Service.

(X) *Critical Habitat* designated for this species

Important Information About Your Species List

How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7½ minute quads. The United States is divided into these quads, which are about the size of San Francisco.

The animals on your species list are ones that occur within, **or may be affected by** projects

within, the quads covered by the list.

- Fish and other aquatic species appear on your list if they are in the same watershed as your quad or if water use in your quad might affect them.
- Amphibians will be on the list for a quad or county if pesticides applied in that area may be carried to their habitat by air currents.
- Birds are shown regardless of whether they are resident or migratory. Relevant birds on the county list should be considered regardless of whether they appear on a quad list.

Plants

Any plants on your list are ones that have actually been observed in the area covered by the list. Plants may exist in an area without ever having been detected there. You can find out what's in the surrounding quads through the California Native Plant Society's online Inventory of Rare and Endangered Plants.

Surveying

Some of the species on your list may not be affected by your project. A trained biologist and/or botanist, familiar with the habitat requirements of the species on your list, should determine whether they or habitats suitable for them may be affected by your project. We recommend that your surveys include any proposed and candidate species on your list. See our Protocol and Recovery Permits pages.

For plant surveys, we recommend using the Guidelines for Conducting and Reporting Botanical Inventories. The results of your surveys should be published in any environmental documents prepared for your project.

Your Responsibilities Under the Endangered Species Act

All animals identified as listed above are fully protected under the Endangered Species Act of 1973, as amended. Section 9 of the Act and its implementing regulations prohibit the take of a federally listed wildlife species. Take is defined by the Act as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" any such animal.

> Take may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or shelter (50 CFR §17.3).

Take incidental to an otherwise lawful activity may be authorized by one of two procedures:

- If a Federal agency is involved with the permitting, funding, or carrying out of a project that may result in take, then that agency must engage in a formal consultation with the Service.

  During formal consultation, the Federal agency, the applicant and the Service work together to avoid or minimize the impact on listed species and their habitat. Such consultation would result in a biological opinion by the Service addressing the anticipated effect of the project on listed and proposed species. The opinion may authorize a limited level of incidental take.

- If no Federal agency is involved with the project, and federally listed species may be taken as part of the project, then you, the applicant, should apply for an incidental take permit. The Service may issue such a permit if you submit a satisfactory conservation plan for the species that would be affected by your project.

  Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should

include the plan in any environmental documents you file.

Critical Habitat

When a species is listed as endangered or threatened, areas of habitat considered essential to its conservation may be designated as critical habitat. These areas may require special management considerations or protection. They provide needed space for growth and normal behavior; food, water, air, light, other nutritional or physiological requirements; cover or shelter; and sites for breeding, reproduction, rearing of offspring, germination or seed dispersal.

Although critical habitat may be designated on private or State lands, activities on these lands are not restricted unless there is Federal involvement in the activities or direct harm to listed wildlife.

If any species has proposed or designated critical habitat within a quad, there will be a separate line for this on the species list. Boundary descriptions of the critical habitat may be found in the Federal Register. The information is also reprinted in the Code of Federal Regulations (50 CFR 17.95). See our Map Room page.

Candidate Species

We recommend that you address impacts to candidate species. We put plants and animals on our candidate list when we have enough scientific information to eventually propose them for listing as threatened or endangered. By considering these species early in your planning process you may be able to avoid the problems that could develop if one of these candidates was listed before the end of your project.

Species of Concern

The Sacramento Fish & Wildlife Office no longer maintains a list of species of concern. However, various other agencies and organizations maintain lists of at-risk species. These lists provide essential information for land management planning and conservation efforts. More info

Wetlands

If your project will impact wetlands, riparian habitat, or other jurisdictional waters as defined by section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act, you will need to obtain a permit from the U.S. Army Corps of Engineers. Impacts to wetland habitats require site specific mitigation and monitoring. For questions regarding wetlands, please contact Mark Littlefield of this office at (916) 414-6520.

Updates

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be August 25, 2011.

APPENDIX E

OBSERVED PLANT SPECIES

APPENDIX C
Plant Species Observed within the Sonoma County Airport
Botanical Surveys 2003-2004 and 2009-2010

Achyrachaena mollis
Blow-wives
Aira caryophyllea
Air grass
Alisma plantago-aquatica
Water-plantain
Allium vineale
Wild garlic
Alopecurus saccatus
Pacific foxtail
Alopecurus aequalis var. *aequalis*
Short-awn foxtail
Amaranthus retroflexus
Pigweed
Amaryllis belladonna
Naked lady
Ammannia sp.

Amsinckia menziesii var. *intermedia*
Fiddleneck
Anagallis arvensis
Scarlet pimpernel
Anthemis cotula
Mayweed
Anthoxanthum aristatum
Vernal grass
Arundo donax
Giant reed
Atriplex triangularis
Fathen
Avena fatua
Wild oats
Avena barbata
Slender wild oats
Baccharis pilularis
Coyote-brush
Bellardia trixago
Bellardia
Blennosperma nanum var. *nanum*
Common Blennosperma
Brassica nigra
Black mustard
Brassica rapa
Spring mustard
Briza maxima
Rattlesnake-grass
Briza minor
Quaking-grass
Brodiaea elegans
Harvest brodiaea
Bromus catharticus
Rescue grass
Bromus diandrus
Ripgut brome
Bromus hordeaceus
Soft chess
Bromus madritensis ssp. *rubus*
Foxtail chess
Bromus tectorum var. *tectorum*
Cheat grass
Bromus carinatus
California brome
Callitriche heterophylla var. *bolanderi*
Bolander's water-starwort
Callitriche sp.
Water starwort
Calochortus luteus
Yellow mariposa lily
Camissonia ovata
Suncup
Capsella bursa-pastoris
Shepherd's purse
Cardamine oligosperma
Milk-maids
Carduus pycnocephalus
Italian thistle
Carex sp.
Sedge
Carex obnuta
Slough sedge
Castilleja attenuata
Valley tassels
Castilleja campestris
Castilleja densiflora
Owl's-clover
Centaurea solstitialis
Yellow starthistle
Centaurium muehlenbergii
Canchalagua
Centromadia parryi var. *parryi*
Pappose tarplant
Cerastium glomeratum
Mouse-ears
Chamaesyce maculata
Spotted spurge
Chamomilla suaveolens
Pineapple weed
Chlorogalum pomeridianum
Soaproot
Cicendia quadrangularis
Cicendia
Cichorium intybus
Chicory
Cirsium vulgare
Bull-thistle
Conium maculatum
Poison hemlock
Convolvulus arvensis
Bindweed
Conyza canadensis
Horseweed
Conyza bonariensis
Mare's tail
Cortaderia jubata
Pampas grass
Cotula coronopifolia
Brass buttons

APPENDIX C
Plant Species Observed within the Sonoma County Airport
Botanical Surveys 2003-2004 and 2009-2010

Crassula connata
Pygmyweed
Crassula aquatica
Pygmyweed
Crataegus sp.
Hawthorn
Crepis occidentalis
Hawk's-beard
Crypsis schoenoides
Swamp timothy
Cynodon dactylon
Bermuda-grass
Cynosurus echinatus
Dogtail grass
Cyperus eragrostis
Umbrella sedge
Dactylus glomeratus
Orchard grass
Danthonia californica
California oatgrass
Deschampsia danthonioides
Annual hairgrass
Deschampsia cespitosa ssp. *holciformis*
Pacific hairgrass
Dipsacus sativus
Common teasel
Downingia concolor var. *concolor*
maroon-spot downingia
Echinochloa crus-galli
Barnyard grass
Echinochloa muricata
Barnyard grass
Eleocharis macrostachya
Common spikeweed
Eleocharis acicularis
Least spikerush
Epilobium ciliatum
Northern willowherb
Epilobium pygmaeum
Pygmy-willowherb
Epilobium brachycarpum
Willowherb
Eremocarpus setigerus
Turkey mullein
Eriogonum sp.
Buckwheat
Erodium botrys
Broad-leaved filaree
Erodium cicutarium
Redstem filaree
Eryngium armatum
Armed coyote-thistle
Eschscholzia californica
California poppy
Eucalyptus globulus
Blue-gum
Festuca arundinacea
Tall fescue
Filago gallica
Filago
Filago californica
Foeniculum vulgare
Sweet fennel
Fraxinus latifolia
Oregon ash
Galium aparine
Bedstraw
Geranium molle
Dove's foot geranium
Geranium dissectum
Cut-leaf geranium
Glyceria declinata
Mannagrass
Gnaphalium luteo-album
Weedy cudweed
Gratiola ebracteata
Bractless hedge-hyssop
Grindelia camporum
Great Valley gumweed
Hemizonia congesta ssp. *luzulifolia*
Hayfield tarweed
Hemizonia congesta ssp. *congesta*
Yellow hayfield tarweed
Hemizonia fitchii
Fitch's tarweed
Hemizonia sp.
Tarweed
Hesperevax caulescens var. *hesperevax*
Hogwallow starfish
Heterotheca grandiflora
Telegraph weed
Hirschfeldia incana
Mediterranean mustard
Holcus lanatus
Velvet grass
Holocarpha heermannii
Heermann's tarweed
Hordeum brachyantherum
Meadow barley
Hordeum marinum ssp. *gussoneanum*
Mediterranean barley
Hordeum murinum ssp. *leporinum*
Hare barley
Hypericum perforatum
Klammath-weed
Hypochaeris radicata
Hairy cat's-ear
Hypochaeris glabra
Smooth cat's-ear
Juglans californica var. *hindsii* (?)
Northern California black walnut (or hybrid)
Juncus patens
Blue rush
Juncus bufonius
Toadrush
Juncus capitatus
Headrush
Juncus effusus
Soft rush

APPENDIX C
Plant Species Observed within the Sonoma County Airport
Botanical Surveys 2003-2004 and 2009-2010

Juncus occidentalis
Western rush
Juncus phaeocephalus
Brownhead rush
Juncus tenuis
Slender rush
Juncus uncialis
Dwarf rush
Juncus xiphioides
Iris-leaved rush
Juncus balticus
Baltic rush
Kickxia sp.
Fluellin
Lactuca serriola
Prickly lettuce
Lactuca saligna
Narrow-leaved lettuce
Lasthenia glaberrima
Smooth goldfields
Lasthenia fremontii
Fremont's goldfields
Lasthenia glabrata
Yellowray goldfields
Lasthenia burkei (FE, SE)
Burke's goldfields
Lathyrus sp.
Vetch
Layia platyglossa
Tidy-tips
Leontodon taraxacoides
Hawkbit
Lepidium latifolium
Perennial pepperweed
Lessingia sp.

Leymus triticoides
Creeping wildrye
Lilaea scillioides
Flowering quillwort
Limnanthes douglasii
Douglas's meadowfoam
Linum perenne
Flax
Lolium multiflorum
Italian wildrye
Lolium perenne
Perennial wildrye
Lotus micranthus
Small-flowered lotus
Lotus purshianus
Spanish clover
Lotus corniculatus
Bird's'-foot trefoil
Ludwigia peploides
Floating seedbox
Lupinus nanus
Sky-lupine
Lupinus bicolor
Miniature lupine
Lythrum hyssopifolium
Hyssop loosestrife
Madia sativa
Coast tarweed
Malva neglecta
Common mallow
Medicago polymorpha
burclover
Medicago lupulina
Burclover
Mentha pulegium
Penny-royal
Microseris sp.
Microseris
Mimulus guttatus
Marsh monkey-flower
Mimulus tricolor

Muilla maritima
Common muilla
Nassella pulchra
Purple needle-grass
Navarretia tagetina
Navarretia
Navarretia intertexta
Needle-leaf navarretia
Oxalis corniculata
Creeping oxalis
Panicum capillare
Witchgrass
Parentucellia viscosa
Parentucellia
Paspalum dilatatum
Dallis grass
Perideridia kelloggii
Kellogg's yampah
Perideridia gairdneri ssp. *gairdneri* (List 4)
Gardner's yampah
Petrorhagia sp.

Phalaris aquatica
Harding-grass
Phalaris arundinacea
Harding grass
Phleum pratense
Cultivated timothy
Picris echioides
Prickly ox-tongue
Plagiobothrys stipitatus
Slender popcorn-flower
Plantago elongata
Elongate plantain
Plantago erecta
California plantain
Plantago lanceolata
English plantain
Plantago major
Common plantain
Plantago coronopus
Cut-leaf plantain
Pleuropogon californicus
Semaphore grass
Poa annua
Blue-grass
Pogogyne douglasii
Douglas's pogogyne

APPENDIX C
Plant Species Observed within the Sonoma County Airport
Botanical Surveys 2003-2004 and 2009-2010

Polygonum arenastrum
Common knotweed
Polygonum persicaria
Lady's thumb
Polypogon monspeliensis
Rabbit's foot grass
Populus alba
White poplar
Populus nigra var. *italica*
Lombardy poplar
Populus fremontii ssp. *fremontii*
Fremont's poplar
Portulaca oleracea
Common purselane
Prunus cerasifera
Cherry Plum
Prunus cerasifera
Plum rootstock
Psilocarphus oregonus
Oregon woolly-heads
Psilocarphus brevissimus
Dwarf woolly-heads
Quercus douglasii
Blue oak
Quercus garryana
Oregon oak
Quercus lobata
Valley oak
Quercus agrifolia
Coast live oak
Ranunculus arvensis
Corn buttercup
Ranunculus sp.

Ranunculus lobbii (List 4)
Lobb's buttercup
Ranunculus muricatus
Spiny-fruit buttercup
Ranunculus pusillus
Low buttercup
Raphanus sativus
Wild radish
Rorippa curvisiliqua
Curve-pod yellow-cress
Rosa californica
California rose
Rubus ursinus
California blackberry
Rubus discolor
Himalayan blackberry
Rumex acetocella
Sheep sorrel
Rumex crispus
Curly dock
Rumex pulcher
Fiddle-dock
Salix laevigata
Red willow
Salix lasiolepis
Arroyo willow
Salix lutea
Yellow willow
Salix exigua
Sandbar willow
Sambucus mexicana
Blue elderberry
Scandix pecten-veneris
Shepherd's needle
Scirpus microcarpus
Small-flowered rush
Scirpus acutus
Common tule
Senecio vulgaris
Common groundsel
Silybum marianum
Milk-thistle
Sisyrinchium bellum
Blue-eyed grass
Soliva sessilis
South American soliva
Sonchus asper
Prickly sowthistle
Spergula arvensis
Stickwort
Spergularia rubra
Sand-spurrey
Symphoricarpos sp.
Snowberry
Taeniatherum caput-medusae
Medusa-head
Taraxacum officinale
Dandelion
Teesdalia coronopifolia
Teesdalia
Torilis arvensis
Hedge parsley
Toxicodendron diversilobum
Poison-oak
Tragopogon porrifolius
Salsify
Trichostema sp.
Bluecurls
Trifolium hydrophilum (?) **(**List 1B)
Saline clover
Trifolium dubium
Shamrock
Trifolium fucatum
Bull clover
Trifolium gracilentum
Pinpoint clover
Trifolium hirtum
Rose clover
Trifolium hybridum
Alsike clover
Trifolium microdon

Trifolium microcephalum
Small-headed clover
Trifolium pratense
Red clover
Trifolium subterraneum
Subterranean clover

APPENDIX C
Plant Species Observed within the Sonoma County Airport
Botanical Surveys 2003-2004 and 2009-2010

Trifolium variegatum
Variegated clover
Trifolium willdenovii
Tomcat clover
Trifolium wormskioldii
Cow clover
Triphysaria pusilla
Small owl's-clover
Triphysaria veriscolor ssp. *faucibarbata*

Triphysaria eriantha
Johnny-tuck
Triteleia laxa
Ithuriel's spear
Triteleia hyacinthina
White brodiaea
Typha domingensis
Southern cattails
Typha latifolia
Broad-leaved cattails
Ulmus pumila
Siberian elm
Veronica anagallis-aquatica
Water speedwell
Veronica americana
American speedwell
Vicia sativa
Spring vetch
Vicia americana
American vetch
Vicia benghalensis
Vetch
Vicia lutea
Yellow vetch
Vicia villosa
Hairy vetch
Vitis californica
Wild grape
Vulpia myuros
Foxtail fescue
Vulpia bromoides
Annual fescue

Wyethia angustifolia
Narrow-leaved mule's-ears
Xanthium strumarium
Cocklebur

APPENDIX F

OBSERVED ANIMAL SPECIES

ANIMAL SPECIES OBSERVED ON AND ADJACENT TO THE SONOMA COUNTY AIRPORT PROPERTY

LSA biologists have observed the following species of vertebrates on the Sonoma County Airport Property study area. The list is based multiple site visits conducted in 2003 through 2010.

COMMON NAME	SCIENTIFIC NAME	SEASONAL OCCURRENCE/NESTING CODES[1]
FISH		
Threespine stickleback	*Gasterosteus aculeatus*	R
Western mosquitofish*	*Gambusia affinis*	R
Largemouth bass*	*Micropterus salmoides*	R
Bluegill*	*Lepomis macrochirus*	R
AMPHIBIANS		
American bullfrog*	*Lithobates catesbeiana*	R
Sierran treefrog	*Pseudacris sierra*	R
California slender salamander	*Batrachoseps attenuatus*	R
REPTILES		
Western pond turtle	*Actinemys marmorata*	R
Western fence lizard	*Sceloporus occidentalis*	R
Southern alligator lizard	*Elgaria multicarinata*	R
Racer	*Coluber constrictor*	R
Gopher snake	*Pituophis catenifer*	R
BIRDS		
Canada goose	*Branta canadensis*	R/W
Cackling goose	*Branta hutchinsii*	W
Mallard	*Anus platyrhynchos*	R
American wigeon	*Anas americana*	W
Northern shoveler	*Anas clypeata*	W
Green-winged teal	*Anas crecca*	W
Canvasback	*Aythya valisineria*	W
Lesser scaup	*Aythya affinis*	W
Bufflehead	*Bucephala albeola*	W
Common goldeneye	*Bucephala clangula*	W
Ruddy duck	*Oxyura jamaicensis*	W
California quail	*Callipepla californica*	R
Pied-billed grebe	*Podilymbus podiceps*	R, W
American white pelican	*Pelecanus erythrorhynchos*	W
Great blue heron	*Ardea herodias*	R
Great egret	*Ardea alba*	R
Green heron	*Butorides virescens*	R
Black-crowned night heron	*Nycticorax nycticorax*	R
Turkey vulture	*Cathartes aura*	R
White-tailed kite	*Elanus leucurus*	R

ANIMAL SPECIES OBSERVED ON AND ADJACENT TO THE SONOMA COUNTY AIRPORT PROPERTY

COMMON NAME	SCIENTIFIC NAME	SEASONAL OCCURRENCE/NESTING CODES[1]
Northern harrier	*Circus cyaneus*	R/W
Cooper's hawk	*Accipiter cooperii*	R
Red-shouldered hawk	*Buteo lineatus*	R
Red-tailed hawk	*Buteo jamaicensis*	R
Ferruginous hawk	*Buteo regalis*	W
Golden Eagle	*Aquila chrysaetos*	R
American kestrel	*Falco sparverius*	R
Peregrine falcon	*Falco peregrinus*	R/W
American coot	*Fulica americana*	T
Killdeer	*Charadrius vociferous*	R
Greater yellowlegs	*Tringa melanoleuca*	W/T
Wilson's snipe	*Gallinago delicata*	W/T
Rock Pigeon*	*Columba livia*	R
Eurasian collared dove*	*Streptopelia decaocto*	R
Mourning dove	*Zenaida macroura*	R
Barn owl	*Tyto alba*	R
Burrowing owl	*Athene cunicularia*	T (rare)
Anna's hummingbird	*Calypte anna*	R
Acorn woodpecker	*Melanerpes formicivorus*	R
Nuttall's woodpecker	*Picoides nuttallii*	R
Northern flicker	*Colaptes auratus*	R
Black phoebe	*Sayornis nigricans*	R
Say's phoebe	*Sayornis saya*	W
Western kingbird	*Tyrannus verticalis*	S
Western scrub jay	*Aphelocoma californica*	R
American crow	*Corvus brachyrhynchos*	R
Common raven	*Corvus corax*	R
Violet-green swallow	*Tachycineta thalassina*	S
Cliff swallow	*Petrochelidon pyrrhonota*	S
Barn Swallow	*Hirundo rustica*	S
Oak titmouse	*Baeolophus inornatus*	R
Bushtit	*Psaltriparus minimus*	R
White-breasted nuthatch	*Sitta carolinensis*	R
Bewick's wren	*Thryomanes bewickii*	R
Ruby-crowned kinglet	*Regulus calendula*	W
Western bluebird	*Sialia mexicana*	R
American robin	*Turdus migratorius*	RW
Northern mockingbird	*Mimus polyglottos*	R
Yellow-rumped warbler	*Dendroica coronata*	T/W
Wrentit	*Chamaea fasciata*	R
European starling*	*Sturnus vulgaris*	R
American pipit	*Anthus rubescens*	T/W
Cedar waxwing	*Bombycilla cedrorum*	T/W

ANIMAL SPECIES OBSERVED ON AND ADJACENT TO THE SONOMA COUNTY AIRPORT PROPERTY

COMMON NAME	SCIENTIFIC NAME	SEASONAL OCCURRENCE/NESTING CODES[1]
Spotted towhee	*Pipilo maculatus*	R
California towhee	*Pipilo crissalis*	R
Savannah sparrow	*Passerculus sandwichensis*	W
Fox sparrow	*Passerella iliaca*	W
Song sparrow	*Melospiza melodia*	RW
Lincoln's sparrow	*Melospiza lincolnii*	T/W
White-crowned sparrow	*Zonotrichia leucophrys*	W
Golden-crowned sparrow	*Zonotrichia atricapilla*	W
Dark-eyed junco	*Junco hyemalis*	R
Red-winged blackbird	*Agelaius phoeniceus*	SW
Western meadowlark	*Sturnella neglecta*	RW
Brewer's blackbird	*Euphagus cyanocephalus*	R
Bullock's oriole	*Icterus bullockii*	S
House finch	*Carpodacus mexicanus*	R
Lesser goldfinch	*Spinus psaltrias*	R
American goldfinch	*Spinus tristis*	RT
MAMMALS		
Black-tailed jackrabbit	*Lepus californicus*	R
Dusky-footed woodrat	*Neotoma fuscipes*	R
Botta's pocket gopher	*Thomomys bottae*	R
California vole	*Microtus californicus*	R
Raccoon	*Procyon lotor*	R
Coyote	*Canis latrans*	R
Mule deer	*Odocoileus hemionus*	R

[1] The codes refer to the species presumed seasonal occurrence on the site and probable breeding/nesting status (breeding was not confirmed in most cases).

M = Migrant: Uses the site for brief periods of time, primarily during the spring and fall months.
R = Year-round resident: resident/expected to nest/breed on-site or in the vicinity.
S = Spring/summer resident: May nest on-site or in the vicinity.
T = Transient: May use the site regularly but unlikely to nest on-site.
W = Winter visitor: Regularly present during winter; does not nest locally.
* = Non-native species.

APPENDIX G

LETTERS FROM THE NATIONAL MARINE FISHERIES SERVICE

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE

Southwest Region
777 Sonoma Ave., Room 325
Santa Rosa, CA 95404-4731

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April 13, 2011

In response, refer to:
2011/01568

RECEIVED
APR 15 2011
SFO-600

Camille Garibaldi
Environmental Protection Specialist
Federal Aviation Administration
San Francisco Airports District Office
831 Mitten Road, Room 210
Burlingame, California 94010

Dear Ms. Garibaldi:

This letter responds to the Federal Aviation Administration's (FAA) request for a list of threatened and endangered species and associated critical habitat under the Endangered Species Act that are present near the Charles M. Schultz – Sonoma County Airport Proposed Runway Safety Enhancement Project (Project) in Santa Rosa, California. The FAA also requested that NOAA's National Marine Fisheries Service (NMFS) advise whether any essential fish habitat (EFH), as defined by the Magnuson-Stevens Fishery Conservation and Management Act, is sufficiently close to the airport to be potentially affected by the Project.

Federally threatened Central California Coast (CCC) steelhead (*Oncorhynchus mykiss*) and its designated critical habitat are present within Mark West Creek, Windsor Creek, Pool Creek, and Pruitt Creek. Central California Coast steelhead are not found in Redwood and Airport creeks, and critical habitat was not designated within those two streams. No EFH is found within any of the creeks mentioned above.

NMFS appreciates the opportunity to provide technical assistance to the Federal Aviation Administration on projects that may affect threatened steelhead. Please contact Rick Rogers at rick.rogers@noaa.gov, or (707) 578-8552, if you have any questions concerning this letter or if you require additional information.

Sincerely,

Dick Butler
North Central Coast Office Supervisor
Protected Resources Division

cc: copy to file: 151422SWR2011SR00202

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southwest Region
777 Sonoma Ave., Room 325
Santa Rosa, CA 95404-4731

May 24, 2011

In response, refer to:
2011/01568

Camille Garibaldi
Environmental Protection Specialist
Federal Aviation Administration
San Francisco Airports District Office
831 Mitten Road, Room 210
Burlingame, California 94010

Dear Ms. Garibaldi:

This letter amends the previous species list we provided to your agency on April 13, 2011, regarding the Federal Aviation Administration's (FAA) proposed modification and extension of the Sonoma County Airport runway configuration (Project). In that letter, we neglected to mention that although instream habitat conditions within Redwood and Airport creeks appear to be severely degraded and likely do not currently support coho salmon (*Oncorhynchus kisutch*) spawning or rearing, the two creeks are nevertheless listed as designated critical habitat for endangered Central California Coast (CCC) coho salmon. In fact, all accessible reaches of the Mark West Creek watershed are listed as critical habitat for CCC coho salmon. Furthermore, although the April 13, 2011, species list noted that steelhead (*O. mykiss*) have not been reported as occurring in Redwood Creek or Airport Creek, there is a paucity of fisheries data for these two creeks. Given the significant impact to both creek channels that will likely arise from your Project (as presented at the May 18, 2011 agency meeting), and considering that steelhead and coho salmon have been documented within Mark West Creek (CDFG 2006), NOAA's National Marine Fisheries Service (NMFS) recommends the FAA hire a qualified aquatic biologist to conduct a survey to examine whether steelhead or coho salmon are present in these streams and to document aquatic habitat conditions. Finally, since coho salmon have been documented within mainstem Mark West Creek and upper-watershed tributaries, there may be Essential Fish Habitat (EFH) located within the Project area. EFH is defined by the 1996 amendments to the Magnuson-Stevens Fishery Conservation and Management Act as those waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity. The Pacific Fisheries Management Council has delineated EFH for Pacific Coast Salmon (see PFMC 1999).

NMFS appreciates the opportunity to provide technical assistance to the Federal Aviation Adminstration on projects that may affect threatened steelhead and endangered coho salmon. Please contact Rick Rogers at rick.rogers@noaa.gov, or (707) 578-8552, if you have any questions concerning this letter or if you require additional information.

Sincerely,

Dick Butler
North Central Coast Office Supervisor
Protected Resources Division

Literature Cited

California Department of Fish and Game. 2006. Stream Inventory Report – Mark West Creek. Revised April 14, 2006. 18 pp.

Pacific Fishery Management Council (PFMC). 1999. Description and identification of essential fish habitat, adverse impacts and recommended conservation measures for salmon. Amendment 14 to the Pacific Coast Salmon Plan, Appendix A. PFMC, Portland, OR.