

CHARLTON H. BONHAM, Director



August 31, 2023

(707) 428-2002 www.wildlife.ca.gov

Eric Wilberg, Senior Planner City of Fairfield 675 Texas Street, Suite 5500 Fairfield, CA 94533 EJWilberg@fairfield.ca.gov



Subject: Solano Landing, Mitigated Negative Declaration, SCH No. 2023080100,

Solano County

Dear Mr. Wilberg:

The California Department of Fish and Wildlife (CDFW) received a Notice of Intent to Adopt a Mitigated Negative Declaration (MND) from the City of Fairfield (City) for Solano Landing (Project) pursuant the California Environmental Quality Act (CEQA) and CEQA Guidelines.¹

CDFW is submitting comments on the MND to inform the City, as the Lead Agency, of potentially significant impacts to biological resources associated with the Project.

CDFW ROLE

CDFW is a **Trustee Agency** with responsibility under CEQA pursuant to CEQA Guidelines section 15386 for commenting on projects that could impact fish, plant, and wildlife resources. CDFW is also considered a **Responsible Agency** if a project would require discretionary approval, such as permits issued under the California Endangered Species Act (CESA) or Native Plant Protection Act, the Lake and Streambed Alteration (LSA) Program, or other provisions of the Fish and Game Code that afford protection to the state's fish and wildlife trust resources.

PROJECT DESCRIPTION SUMMARY

Proponent: Solano Landing

Objective: Construct a resort including market, six tasting rooms, a dining hall, a restaurant, a concierge building, cottages, and vineyards on a 24.42-acre site. New buildings will have a combined size of 32,141 square feet (approximately 0.7 acres) and the vineyards will be 10.5 acres in size. Approximately 7.4 acres of the Project site will

¹ CEQA is codified in the California Public Resources Code in section 21000 et seq. The "CEQA Guidelines" are found in Title 14 of the California Code of Regulations, commencing with section 15000.

require Solano County (County) approval of a Zone Change from Agriculture (ASV-20) to Agriculture Tourist Center (ATC).

Location: Unincorporated Solano County, at the intersection of Suisun Valley Road and Rockville Road, approximate centroid of 38.242322°, -122.120734° (NAD 83), Assessor's Parcel Number 0027-200-150.

REGULATORY REQUIREMENTS

California Endangered Species Act

Please be advised that a CESA Incidental Take Permit (ITP) must be obtained if the Project has the potential to result in "take" of plants or animals listed under CESA either during construction or over the life of the Project. The Project has the potential to impact Swainson's hawk (*Buteo swainsoni*), CESA listed as threatened species. Thank you for including a mitigation measure to avoid impacts to nesting Swainson's hawks, and please see the below comment regarding loss of foraging habitat for this species. Issuance of an ITP is subject to CEQA documentation; the CEQA document must specify impacts, mitigation measures, and a mitigation monitoring and reporting program. If the Project will impact CESA listed species, early consultation is encouraged, as significant modification to the Project and mitigation measures may be required in order to obtain an ITP.

CEQA requires a Mandatory Finding of Significance if a project is likely to substantially restrict the range or reduce the population of a threatened or endangered species. (Pub. Resources Code, §§ 21001, subd. (c) & 21083; CEQA Guidelines, §§ 15380, 15064, & 15065). Impacts must be avoided or mitigated to less-than-significant levels unless the CEQA Lead Agency makes and supports Findings of Overriding Consideration (FOC). The CEQA Lead Agency's FOC does not eliminate the Project proponent's obligation to comply with CESA.

Lake and Streambed Alteration

CDFW requires an LSA Notification, pursuant to Fish and Game Code section 1600 et seq., for Project activities affecting lakes or streams and associated riparian habitat. Notification is required for any activity that may substantially divert or obstruct the natural flow; change or use material from the bed, channel, or bank including associated riparian or wetland resources; or deposit or dispose of material where it may pass into a river, lake, or stream. Work within ephemeral streams, washes, watercourses with a subsurface flow, and floodplains are subject to LSA Notification requirements. As described in the MND, the Project may impact two features that are considered ephemeral streams. If any streams are impacted, an LSA Notification pursuant to Fish and Game Code section 1602 would be required, as further described below. CDFW would consider the CEQA document for the Project and may issue an LSA

Agreement. CDFW may not execute the final LSA Agreement until it has complied with CEQA as a Responsible Agency.

Raptors and Other Nesting Birds

CDFW has jurisdiction over actions that may result in the disturbance or destruction of active nest sites or the unauthorized take of birds. Fish and Game Code sections protecting birds, their eggs, and nests include sections 3503 (regarding unlawful take, possession or needless destruction of the nests or eggs of any bird), 3503.5 (regarding the take, possession or destruction of any birds-of-prey or their nests or eggs), and 3513 (regarding unlawful take of any migratory nongame bird). Migratory birds are also protected under the federal Migratory Bird Treaty Act.

COMMENTS AND RECOMMENDATIONS

CDFW offers the comments and recommendations below to assist the City in adequately identifying and/or mitigating the Project's significant, or potentially significant, direct and indirect impacts on fish and wildlife (biological) resources. Based on the Project's avoidance of significant impacts on biological resources with implementation of mitigation measures, including those CDFW recommends, CDFW concludes that an MND is appropriate for the Project.

I. Environmental Setting Related Impact Shortcoming

MANDATORY FINDING OF SIGNIFICANCE. Does the Project have potential to substantially reduce the number or restrict the range of an endangered, rare or threatened species?

COMMENT 1: Swainson's Hawk, Pages 33 and 34

Issue: The Project would impact potential Swainson's hawk foraging habitat.

Specific impacts, why they may occur and be potentially significant: The Project would result in the removal of potential foraging habitat for Swainson's hawk, CESA listed as threatened species; however, no compensatory habitat mitigation is proposed in the MND. The breeding population of Swainson's hawks in California has declined by an estimated 91 percent since 1900 and the species continues to be threatened by ongoing and cumulative loss of foraging habitat (CDFW 2016). The California Natural Diversity Database (CNDDB) includes six occurrences of Swainson's hawk within five miles of the Project, with the nearest occurrence approximately 0.5 miles northnortheast of the Project (CNDDB 2023). Therefore, reduction of Swainson's hawk foraging habitat would be a potentially significant impact.

The Project site is within the draft Solano Multispecies Habitat Conservation Plan (HCP) Irrigated Agriculture Conservation Area, and according to the draft Solano HCP Mitigation Measure SH 1 for Swainson's hawk, Irrigated Agriculture Foraging habitat should be mitigated at a ratio of 1:1 (see Section 6.4.8 and Figure 4-21 of the draft Solano HCP at: https://www.scwa2.com/solano-multispecies-habitat-conservation-plan/).

Recommended Mitigation Measure: To reduce potential impacts to Swainson's hawk to less-than-significant, CDFW recommends including the below mitigation measure.

Mitigation Measure Bio-14 (Swainson's Hawk Foraging Habitat Mitigation): Impacts to Swainson's hawk foraging habitat shall be quantified by a qualified biologist based on the final Project design plans, and the Project shall obtain written acceptance of the acreage of habitat impacts from CDFW. Consistent with the draft Solano HCP, prior to Project construction, the Project shall provide Swainson's hawk foraging habitat mitigation at a 1:1 ratio, which shall include: 1) permanent preservation of the species' foraging habitat through a conservation easement and implementing and funding a long-term management plan in perpetuity, or 2) purchase of Swainson's hawk foraging habitat credits at a CDFW-approved mitigation bank in the County.

II. Environmental Setting and Mitigation Measure Related Impact Shortcomings

Would the Project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by CDFW or U.S. Fish and Wildlife Service (USFWS)?

COMMENT 2: Burrowing owl (Athene cunicularia), Pages 33 and 38

Issue: The Project would impact potential burrowing owl foraging habitat and may impact burrowing owls utilizing burrows on or within 500 meters (1,640 feet) of the Project site. CNDDB includes two occurrences of burrowing owl within 5 miles of the Project, with the nearest occurrence approximately 3.2 miles south-southeast of the Project (CNDDB 2023). According to the draft Solano HCP Mitigation Measure BO 1 for burrowing owl, burrowing owl habitat should be mitigated at a ratio of 1:1 (see Section 6.4.9 and Figure 4-21 of the draft HCP).

In addition, the MND includes Mitigation Measure BIO-6 to avoid impacts to burrowing owl. Mitigation Measure BIO-6 specifies that surveys will be conducted in accordance with the Department of Fish and Game Staff Report on Burrowing Owl Mitigation (2012) methodology and measures outlined in the draft Solano HCP. CDFW appreciates that the Project will conduct burrowing owl surveys using the above methodology. However, it is unclear if breeding or wintering burrowing owl surveys would be conducted depending on the Project construction start date. The Project is within the year-round

range of burrowing owl, hence surveys for breeding or wintering burrowing owl should be conducted based on the Project construction start date.

Specific impacts, why they may occur and be potentially significant: The Project would result in a permanent reduction of potential burrowing owl foraging habitat in the County. The Project could also result in burrowing owl nest abandonment, loss of young, reduced health and vigor of owlets, injury or mortality of adults, and permanent wintering (i.e., non-nesting) or nesting habitat loss. Burrowing owl is a special-status species because the species' population viability and survival are adversely affected by risk factors such as precipitous declines from habitat loss, fragmentation, and degradation; evictions from nesting sites without habitat mitigation; wind turbine mortality; human disturbance; and eradication of California ground squirrels (Spermophilus beecheyi) resulting in a loss of suitable burrows required by burrowing owls for nesting, protection from predators, and shelter (Shuford and Gardali 2008; Department of Fish and Game Staff Report on Burrowing Owl Mitigation (2012); personal communication, CDFW Statewide Burrowing Owl Coordinator Esther Burkett, May 13, 2022). Preliminary analyses of regional patterns for breeding populations of burrowing owls have detected declines both locally in their central and southern coastal breeding areas, and statewide where the species has experienced breeding range retraction (Department of Fish and Game Staff Report on Burrowing Owl Mitigation (2012); personal communication, Esther Burkett, May 13, 2022). Based on the foregoing, if burrowing owls are wintering or nesting on or within 500 meters of the Project site, or if burrowing owl foraging habitat is removed, Project impacts to burrowing owl would be potentially significant.

Recommended Mitigation Measures: To reduce potential impacts to burrowing owl to less-than-significant, CDFW recommends including the below mitigation measures.

Mitigation Measure BIO-6 (Burrowing Owl Surveys): A qualified biologist shall conduct a habitat assessment and surveys, if warranted based on the habitat assessment, following the Department of Fish and Game Staff Report on Burrowing Owl Mitigation (2012) methodology. Surveys for nesting burrowing owls shall be conducted if Project construction starts during nesting season (February 1 to August 31), and surveys for wintering burrows owls shall be conducted if the construction starts during the wintering season (September 1 to January 31). The habitat assessment and surveys shall encompass the Project area and a sufficient buffer zone to detect owls nearby that may be impacted. Habitat assessments and surveys shall occur each year of Project construction, as conditions may change annually and suitable refugia for burrowing owl, such as small mammal burrows, can be created within a few hours or days, unless otherwise approved in writing by CDFW. Time lapses between surveys or Project activities shall trigger subsequent surveys including, but not limited to, a final survey within 24 hours prior to ground disturbance. The qualified biologist shall have a minimum of two years of experience implementing the above methodology resulting in

burrowing owl detections. Any detected burrowing owls shall be avoided pursuant to the buffer distances outlined in the Department of Fish and Game Staff Report on Burrowing Owl Mitigation (2012), which may be up to 500 meters (1,640 feet), and any detected owl shall be monitored by the qualified biologist to ensure it is not disturbed during construction activities, unless otherwise approved in writing by CDFW. Impacts to nesting burrowing owls shall be fully avoided.

Mitigation Measure Bio-15 (Burrowing Owl Foraging Habitat Mitigation): Impacts to burrowing owl foraging habitat shall be mitigated as described in Mitigation Measure Bio-14 above.

Mitigation Measure Bio-16 (Burrowing Owl Burrow Mitigation): If the Project would impact an unoccupied nesting burrowing owl burrow or burrow surrogate (i.e., a burrow known to have been used in the past three years for nesting), or an occupied burrow (where a non-nesting owl would be evicted as described below), the following habitat mitigation shall be implemented prior to Project construction.

Impacts to each burrowing owl nesting site shall be mitigated by permanent preservation of two burrowing owl occupied nesting sites with appropriate foraging habitat within the County, unless otherwise approved by CDFW, through a conservation easement and implementing and funding a long-term management plan in perpetuity. The same requirements shall apply for impacts to non-nesting evicted owl sites except two burrowing owl occupied non-nesting (i.e., wintering) sites shall be preserved.

The Project may implement alternative methods for preserving habitat with written acceptance from CDFW.

Please be advised that CDFW does not consider exclusion of burrowing owls (i.e., passive removal of an owl from its burrow or other shelter) as a "take" avoidance, minimization, or mitigation measure for the reasons outlined below. Therefore, to mitigate the impacts of potentially evicting burrowing owls to less-than-significant, Mitigation Measure Bio-6 outlined above should require habitat compensation with the acreage amount identified in any eviction plan. The long-term demographic consequences of exclusion techniques have not been thoroughly evaluated, and the survival rate of excluded owls is unknown. Burrowing owls are dependent on burrows at all times of the year for survival or reproduction, therefore eviction from nesting, roosting, overwintering, and satellite burrows or other sheltering features may lead to indirect impacts or "take" which is prohibited under Fish and Game Code section 3503.5. All possible avoidance and minimization measures should be considered before temporary or permanent exclusion and closure of burrows is implemented to avoid "take."

III. Stream Alteration

COMMENT 3: LSA Notification, Pages 34 and 35

Issue, specific impacts: The MND identifies that the Project may impact an ephemeral drainage and an irrigation ditch. These features may be considered streams under Fish and Game Code section 1600 et seq.

The MND does not provide certainty that impacts to these features would comply with Fish and Game Code section 1600 et seq. Mitigation Measure BIO-11 requires that the Project applicant obtain a permit from the Regional Water Quality Control Board (RWQCB) if streams would be impacted. However, the MND does not include a mitigation measure requiring LSA Notification and compliance with the LSA Agreement, if issued.

Recommended Mitigation Measure: If impacts to streams or riparian habitat may occur, to comply with Fish and Game Code section 1600 et seq., CDFW recommends replacing mitigation measure BIO-11 with the below measure.

Mitigation Measure BIO-11 (Wetland Mitigation and Resource Agency Permits): The Project shall be designed to minimize fill of jurisdictional waters. If impacts to any streams, such as potentially, the ephemeral roadside drainage or irrigation ditch, cannot be avoided then prior to ground disturbance the Project applicant shall submit an LSA notification to CDFW and comply with the LSA Agreement, if issued, and shall obtain a permit from the RWQCB pursuant to the Clean Water Act Section 401 water quality certification. Impacts to waters, wetlands, and riparian areas subject to the permitting authority of CDFW and RWQCB shall be mitigated by providing compensatory mitigation at a minimum 3:1 ratio in area for permanent impacts and 1:1 ratio for temporary impacts, unless otherwise approved in writing by CDFW or otherwise required by RWQCB. A Habitat Mitigation and Monitoring Plan shall be prepared and implemented for the proposed mitigation approach. This plan shall be subject to approval by CDFW and the RWQCB prior to any disturbance of waters of the State, stream, or riparian habitat.

An LSA Agreement for the Project, if issued, would likely require the above recommended mitigation measures, as applicable, and may require additional avoidance and minimization measures for wildlife and habitat.

ENVIRONMENTAL DATA

CEQA requires that information developed in environmental impact reports and negative declarations be incorporated into a database which may be used to make subsequent or supplemental environmental determinations. (Pub. Resources Code, § 21003, subd. (e)). Accordingly, please report any special-status species and natural communities detected during Project surveys to the CNDDB. The CNDDB field survey form can be filled out and submitted online at the following link: https://wildlife.ca.gov/Data/CNDDB/Submitting-Data. The types of information reported

to CNDDB can be found at the following link: https://www.wildlife.ca.gov/Data/CNDDB/Plants-and-Animals.

ENVIRONMENTAL DOCUMENT FILING FEES

The Project, as proposed, would have an impact on fish and/or wildlife, and assessment of environmental document filing fees is necessary. Fees are payable upon filing of the Notice of Determination by the Lead Agency and serve to help defray the cost of environmental review by CDFW. Payment of the environmental document filing fee is required in order for the underlying Project approval to be operative, vested, and final. (Cal. Code Regs, tit. 14, § 753.5; Fish & G. Code, § 711.4; Pub. Resources Code, § 21089).

CONCLUSION

CDFW appreciates the opportunity to comment on the MND to assist the City in identifying and mitigating Project impacts on biological resources.

Questions regarding this letter or further coordination should be directed to Alex Single, Environmental Scientist, at (707) 799-4210 or Alex.Single@wildlife.ca.gov; or Melanie Day, Senior Environmental Scientist (Supervisory), at Melanie.Day@wildlife.ca.gov or (707) 210-4415.

Sincerely,

—DocuSigned by: Erin Chappell

Erin Chappell
Regional Manager
Bay Delta Region

Attachment 1. Draft Mitigation and Monitoring Reporting Plan

ec: Office of Planning and Research, State Clearinghouse (SCH No. 2023080100)

REFERENCES

- CDFW. 2023. California Natural Diversity Database (CNDDB) Management Framework. California Department of Fish and Wildlife. Sacramento, CA. Website https://wildlife.ca.gov/Data/BIOS [accessed 28 August 2023].
- CDFW. 2016. Status Review: Swainson's Hawk (*Buteo swainsoni*) in California, reported to the California Fish and Game Commission, five-year status report. State of California Natural Resources Agency, Sacramento, CA. https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=133622&inline
- CDFW. 2012. Department of Fish and Game Staff Report on Burrowing Owl Mitigation. State of California Natural Resources Agency, Sacramento, CA.
- Shuford, W. D., and Gardali, T., editors. 2008. California Bird Species of Special Concern: A ranked assessment of species, subspecies, and distinct populations of birds of immediate conservation concern in California. Studies of Western Birds 1. Western Field Ornithologists, Camarillo, California, and California Department of Fish and Game, Sacramento.
- Solano County Water Agency. 2014. Draft Solano Multispecies Habitat Conservation Plan. https://www.scwa2.com/solano-multispecies-habitat-conservation-plan/

ATTACHMENT 1 Additions to Draft Mitigation and Monitoring Reporting Plan

Biological Resources (BIO)				
Mitigation Measure (MM)	Description	Timing	Responsible Party	
MM-BIO-6	Burrowing Owl Surveys: A qualified biologist shall conduct a habitat assessment and surveys, if warranted based on the habitat assessment, following the Department of Fish and Game Staff Report on Burrowing Owl Mitigation (2012) methodology. Surveys for nesting burrowing owls shall be conducted if Project construction starts during nesting season (February 1 to August 31), and surveys for wintering burrows owls shall be conducted if the construction starts during the wintering season (September 1 to January 31). The habitat assessment and surveys shall encompass the Project area and a sufficient buffer zone to detect owls nearby that may be impacted. Habitat assessments and surveys shall occur each year of Project construction, as conditions may change annually and suitable refugia for burrowing owl, such as small mammal burrows, can be created within a few hours or days, unless otherwise approved in writing by CDFW. Time lapses between surveys or Project activities shall trigger subsequent surveys including, but not limited to, a final survey within 24 hours prior to ground disturbance. The qualified biologist shall have a minimum of two years of experience implementing the above methodology resulting in burrowing owl detections. Any detected burrowing owls shall be avoided pursuant to the buffer distances outlined in the Department of Fish and Game Staff Report on Burrowing Owl Mitigation (2012), which may be up to 500 meters (1,640 feet), and any detected owl shall be monitored by the qualified biologist to ensure it is not disturbed during construction activities, unless otherwise approved in writing by CDFW. Impacts to nesting burrowing owls shall be fully avoided.	Prior to Ground Disturbance	Project Applicant	

MM-BIO-11	Wetland Mitigation and Resource Agency Permits: The Project shall be designed to minimize fill of jurisdictional waters. If impacts to any streams, such as potentially the ephemeral roadside drainage or irrigation ditch, cannot be avoided then prior to ground disturbance the Project applicant shall submit an LSA notification to CDFW and comply with the LSA Agreement, if issued, and shall obtain a permit from the RWQCB pursuant to the Clean Water Act Section 401 water quality certification. Impacts to waters, wetlands, and riparian areas subject to the permitting authority of CDFW and RWQCB shall be mitigated by providing compensatory mitigation at a minimum 3:1 ratio in area for permanent impacts and 1:1 ratio for temporary impacts, unless otherwise approved in writing by CDFW or otherwise required by RWQCB. A Habitat Mitigation and Monitoring Plan shall be prepared and implemented for the proposed mitigation approach. This plan shall be subject to approval by CDFW and the RWQCB prior to any disturbance of waters of the State, stream, or riparian habitat.		Project Applicant
MM-BIO-14	Swainson's Hawk Foraging Habitat Mitigation: Impacts to Swainson's hawk foraging habitat shall be quantified by a qualified biologist based on the final Project design plans, and the Project shall obtain written acceptance of the acreage of habitat impacts from CDFW. Consistent with the draft Solano HCP, prior to Project construction, the Project shall provide Swainson's hawk foraging habitat mitigation at a 1:1 ratio which shall include: 1) permanent preservation of the species' foraging habitat through a conservation easement and implementing and funding a long-term management plan in perpetuity, or 2) purchase of Swainson's hawk foraging habitat credits at a CDFW-approved mitigation bank in the County.	Prior to Ground Disturbance	Project Applicant
MM-BIO-15	Burrowing Owl Foraging Habitat Mitigation: Impacts to burrowing owl foraging habitat shall be mitigated as described in Mitigation Measure Bio-14 above.	Prior to Ground Disturbance	Project Applicant
MM-BIO-16	Burrowing Owl Burrow Mitigation: If the Project would impact an unoccupied nesting burrowing owl burrow or burrow surrogate (i.e., a burrow known to	Prior to Ground Disturbance	Project Applicant

have been used in the past three years for nesting), or an occupied burrow (where a non-nesting owl would be evicted as described below), the following habitat mitigation shall be implemented prior to Project construction.

Impacts to each burrowing owl nesting site shall be mitigated by permanent preservation of two burrowing owl occupied nesting sites with appropriate foraging habitat within the County, unless otherwise approved by CDFW, through a conservation easement and implementing and funding a long-term management plan in perpetuity. The same requirements shall apply for impacts to non-nesting evicted owl sites except two burrowing owl occupied non-nesting (i.e., wintering) sites shall be preserved.

The Project may implement alternative methods for preserving habitat with written acceptance from CDFW.

Please be advised that CDFW does not consider exclusion of burrowing owls (i.e., passive removal of an owl from its burrow or other shelter) as a "take" avoidance, minimization, or mitigation measure for the reasons outlined below. Therefore, to mitigate the impacts of potentially evicting burrowing owls to less than significant, Mitigation Measure Bio-6 outlined above should require habitat compensation with the acreage amount identified in any eviction plan. The long-term demographic consequences of exclusion techniques have not been thoroughly evaluated, and the survival rate of excluded owls is unknown. Burrowing owls are dependent on burrows at all times of the year for survival or reproduction, therefore eviction from nesting, roosting, overwintering, and satellite burrows or other sheltering features may lead to indirect impacts or "take" which is prohibited under Fish and Game Code section 3503.5. All possible avoidance and minimization measures should be considered before temporary or permanent exclusion and closure of burrows is implemented to avoid "take."