

APPENDIX 3.7-A

**Special-Status Plant and Wildlife  
Species with Potential to Occur in the  
Project Vicinity**

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This appendix is divided into two attachments, one for special-status plant species and one for special-status wildlife species:

- Attachment 1 identifies special-status plant species with moderate or high potential to occur in the project vicinity.
- Attachment 2 identifies special-status wildlife species with moderate or high potential to occur in the project vicinity.



ATTACHMENT 1

**Special-Status Plant Species with  
Potential to Occur in the Project Vicinity**

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**Table 3.7-A1-1**  
 Special-Status Plant Species with Potential to Occur in the Project Vicinity

<i>Scientific Name</i> Common Name	Federal Status <sup>a</sup>	State Status <sup>b</sup>	CNPS <sup>c</sup>	Potential to Occur			
				UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
<b>Alismataceae</b>							
<i>Sagittaria sanfordii</i> Sanford's arrowhead	--	--	List 1B.2	High	High	High	Castle Commerce Center: High Harris-DeJager: High Fagundes: High Gordon-Shaw: High Kojima Development: High
<b>Apiaceae</b>							
<i>Eryngium racemosum</i> Delta button celery	--	E	List 1B.1	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Eryngium spinosepalum</i> spiny-sepaled button-celery	--	--	List 1B.2	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima – Moderate
<b>Asteraceae</b>							
<i>Calycadenia hooveri</i> Hoover's calycadenia	--	--	List 1B.3	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes - Moderate Gordon-Shaw: Moderate Kojima – Moderate

<i>Scientific Name</i> Common Name	Federal Status <sup>a</sup>	State Status <sup>b</sup>	CNPS <sup>c</sup>	Potential to Occur			
				UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i> Coulter's goldfields	--	--	List 1B.1	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima - Moderate
<i>Pseudobahia bahiifolia</i> Hartweg's golden sunburst	E	E	List 1B.1	Moderate	Moderate	Moderate	Castle Commerce Center: Unlikely Harris-DeJager: Unlikely Fagundes: Unlikely Gordon-Shaw: Unlikely Fagundes: Unlikely Kojima Development: Moderate
<i>Trichocoronis wrightii</i> var. <i>wrightii</i> Wright's trichocoronis	--	--	List 2.1	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Brassicaceae</b>							
<i>Lepidium latipes</i> var. <i>heckardii</i> Heckard's pepper-grass	--	--	List 1B.2	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Unlikely Fagundes: Unlikely Gordon-Shaw: Unlikely Kojima Development: Moderate
<i>Tropidocarpum capparideum</i> caper-fruited tropidocarpum	--	--	List 1B.1	High	High	High	Castle Commerce Center: Unlikely Harris-DeJager: Unlikely Fagundes: Unlikely Gordon-Shaw: Unlikely



<i>Scientific Name</i> Common Name	Federal Status <sup>a</sup>	State Status <sup>b</sup>	CNPS <sup>c</sup>	Potential to Occur			
				UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
							Kojima Development: Moderate
<b>Campanulaceae</b>							
<i>Downingia pusilla</i> dwarf downingia	--	--	List 2.2	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Chenopodiaceae</b>							
<i>Atriplex cordulata</i> heartscale	--	--	List 1B.2	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Unlikely Fagundes: Unlikely Gordon-Shaw: Unlikely Kojima Development: Moderate
<i>Atriplex depressa</i> brittlescale	--	--	List 1B.2	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Atriplex joaquiniana</i> San Joaquin spearscale	--	--	List 1B.2	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate

<i>Scientific Name</i> Common Name	Federal Status <sup>a</sup>	State Status <sup>b</sup>	CNPS <sup>c</sup>	Potential to Occur			
				UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
<i>Atriplex minuscula</i> lesser saltscale	--	--	List 1B.1	High	High	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Atriplex persistens</i> vernal pool smallscale	--	--	List 1B.2	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Atriplex subtilis</i> subtle orache	--	--	List 1B.2	High	High	Moderate	Castle Commerce Center: Unlikely Harris-DeJager: Unlikely Fagundes: Unlikely Gordon-Shaw: Unlikely Kojima Development: Moderate
<i>Atriplex vallicola</i> Lost Hills crownscale	--	--	List 1B.2	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Euphorbiaceae</b>							
<i>Chamaesyce hooveri</i> Hoover's spurge *Critical Habitat*	T	--	List 1B.2	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate

<i>Scientific Name</i> Common Name	Federal Status <sup>a</sup>	State Status <sup>b</sup>	CNPS <sup>c</sup>	Potential to Occur			
				UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
							Kojima Development: Moderate
<b>Fabaceae</b>							
<i>Astragalus tener</i> var. <i>tener</i> alkali milk-vetch	--	--	List 1B.2	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Hydrophyllaceae</b>							
<i>Phacelia ciliata</i> var. <i>opaca</i> Merced phacelia	--	--	List 1B.2	Moderate	High	Moderate	Castle Commerce Center: Unlikely Harris-DeJager: Unlikely Fagundes: Unlikely Gordon-Shaw: Unlikely Kojima Development: Moderate
<b>Malvaceae</b>							
<i>Sidalcea keckii</i> Keck's checkerbloom *Critical Habitat*	E	--	List 1B.1	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Onagraceae</b>							
<i>Clarkia rostrata</i> beaked clarkia	--	--	List 1B.3	Moderate	Moderate	Moderate	Castle Commerce Center: Unlikely Harris-DeJager: Unlikely Fagundes: Unlikely Gordon-Shaw: Unlikely

<i>Scientific Name</i> Common Name	Federal Status <sup>a</sup>	State Status <sup>b</sup>	CNPS <sup>c</sup>	Potential to Occur			
				UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
							Kojima Development: Moderate
<b>Poaceae</b>							
<i>Agrostis hendersonii</i> Henderson's bent grass	--	--	List 3.2	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Imperata brevifolia</i> California satintail	--	--	List 2.1	High	High	High	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Neostapfia colusana</i> Colusa grass *Critical Habitat*	T	E	List 1B.1	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Orcuttia inaequalis</i> San Joaquin Valley Orcutt grass *Critical Habitat*	T	E	List 1B.1	High	High	High	Castle Commerce Center: High Harris-DeJager: High Fagundes: High Gordon-Shaw: High Kojima Development: High
<i>Orcuttia pilosa</i> hairy Orcutt grass *Critical Habitat*	E	E	List 1B.1	Moderate	High	High	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate

<i>Scientific Name</i> Common Name	Federal Status <sup>a</sup>	State Status <sup>b</sup>	CNPS <sup>c</sup>	Potential to Occur			
				UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
							Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Tuctoria greenei</i> Greene's tuctoria *Critical Habitat*	E	R	List 1B.1	Moderate	High	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Polemoniaceae</b>							
<i>Navarretia myersii</i> ssp. <i>myersii</i> pincushion navarretia	--	--	List 1B.1	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Navarretia nigelliformis</i> ssp. <i>radians</i> shining navarretia	--	--	List 1B.2	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Navarretia prostrata</i> prostrate vernal pool navarretia	--	--	List 1B.1	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Ranunculaceae</b>							
<i>Delphinium recurvatum</i> recurved larkspur	--	--	List 1B.2	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Unlikely

<i>Scientific Name</i> Common Name	Federal Status <sup>a</sup>	State Status <sup>b</sup>	CNPS <sup>c</sup>	Potential to Occur			
				UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
							Fagundes: Unlikely Gordon-Shaw: Unlikely Kojima Development: Moderate
<i>Myosurus minimus</i> ssp. <i>apus</i> little mousetail	--	--	List 3.1	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Scrophulariaceae</b>							
<i>Castilleja campestris</i> ssp. <i>Succulenta</i> succulent owl's-clover *Critical Habitat*	T	E	List 1B.2	Moderate	High	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: High
<i>Cordylanthus palmatus</i> palmate-bracted bird's-beak	E	E	List 1B.1	Moderate	Moderate	Moderate	Castle Commerce Center: Unlikely Harris-DeJager: Unlikely Fagundes: Unlikely Gordon-Shaw: Unlikely Kojima Development: Moderate
<i>Gratiola heterosepala</i> Boggs Lake hedge-hyssop	--	E	List 1B.2	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate

<i>Scientific Name</i> Common Name	Federal Status <sup>a</sup>	State Status <sup>b</sup>	CNPS <sup>c</sup>	Potential to Occur			
				UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
Notes: Potential to Occur Designations (further definitions included in the Biological Resources and Wetlands Technical Report (Authority and FRA 2011a): No Potential: No historic range or habitat within the habitat study area Future Potential: Potential following the San Joaquin River Restoration Program Unlikely Potential: No suitable habitat and presumed extirpated within the habitat study area Low Potential: Low or marginal quality habitat within habitat study area Moderate Potential: Potential current range and moderate habitat within the habitat study area High Potential: Presumed extant, observed or otherwise expected				-- = No status designation. <sup>a</sup> Federal status: E (Endangered) = Listed as endangered under the Federal ESA. T (Threatened) = Listed as threatened under the Federal ESA. <sup>b</sup> State status: E (Endangered) = Listed as endangered under the CESA. T (Threatened) = Listed as threatened under the CESA. R (Rare) = Listed as rare under the CESA. CNPS LIST 1A = Presumed extinct in California. LIST 1B = Rare, threatened, or endangered in California and elsewhere. LIST 2 = Rare, threatened, or endangered in California, but more common elsewhere. LIST 3 = More information about this plant (Review List). .1 = Seriously endangered in California; .2 = Fairly endangered in California; .3 = Not very endangered in California <sup>d</sup> Source: CDFG (2003), CNPS (2011), USFWS (2011).			





ATTACHMENT 2

**Special-Status Wildlife Species with  
Potential to Occur in the Project Vicinity**

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**Table 3.7-A2-1**  
 Special-Status Wildlife Species with Potential to Occur in the Project Vicinity

Common Name Scientific Name	Federal Status <sup>a</sup>	State Status	Potential to Occur			
			UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
<b>Invertebrates</b>						
<i>Branchinecta conservatio</i> Conservancy fairy shrimp	E	--	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Unlikely Fagundes: Unlikely Gordon-Shaw: Unlikely Kojima Development: Moderate
<i>Branchinecta lynchi</i> vernal pool fairy shrimp	T	--	Moderate	High	High	Castle Commerce Center: High Harris-DeJager: Unlikely Fagundes: Unlikely Gordon-Shaw: Unlikely Kojima Development: High
<i>Lepidurus packardii</i> vernal pool tadpole shrimp	E	--	Moderate	High	Moderate	Castle Commerce Center: High Harris-DeJager: Unlikely Fagundes: Unlikely Gordon-Shaw: Unlikely Kojima Development: Moderate
<i>Desmocerus californicus dimorphus</i> Valley elderberry longhorn beetle	T	--	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate

Common Name Scientific Name	Federal Status <sup>a</sup>	State Status	Potential to Occur			
			UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
<b>Fish</b>						
<i>Lampetra hubbsi</i> Kern brook lamprey	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Oncorhynchus mykiss</i> Central Valley steelhead	T	SSC	Low (but moderate in the foreseeable future)	Low (but moderate in the foreseeable future)	Low (but moderate in the foreseeable future)	Castle Commerce Center: Low (but moderate in the foreseeable future) Harris-DeJager: Low (but moderate in the foreseeable future) Fagundes: Low (but moderate in the foreseeable future) Gordon-Shaw: Low (but moderate in the foreseeable future) Kojima Development: Low (but moderate in the foreseeable future)
<i>Oncorhynchus tshawytscha</i> Central Valley spring-run Chinook salmon	T	T	Future	Future	Future	Castle Commerce Center: Future Harris-DeJager: Future Fagundes: Future Gordon-Shaw: Future Kojima Development: Future

Common Name Scientific Name	Federal Status <sup>a</sup>	State Status	Potential to Occur			
			UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
<i>Oncorhynchus tshawytscha</i> Chinook salmon - Central Valley fall / late fall-run ESU (evolutionary significant unit)	--	SSC	Low (but high in the foreseeable future)	Low (but high in the foreseeable future)	Low (but high in the foreseeable future)	Castle Commerce Center: Low (but high in the foreseeable future) Harris-DeJager: Low (but high in the foreseeable future) Fagundes: Low (but high in the foreseeable future) Gordon-Shaw: Low (but high in the foreseeable future) Kojima Development: Low (but high in the foreseeable future)
<i>Mylopharodon conocephalus</i> hardhead	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Lavinia symmetricus symmetricus</i> ssp. 1 San Joaquin roach	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Amphibians</b>						
<i>Ambystoma californiense</i> California tiger salamander	T	T/SSC	Moderate	High	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Unlikely Fagundes: Unlikely Gordon-Shaw: Unlikely Kojima Development: Moderate

Common Name Scientific Name	Federal Status <sup>a</sup>	State Status	Potential to Occur			
			UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
<i>Spea hammondi</i> western spadefoot toad	--	SSC	Moderate	High	Moderate	Castle Commerce Center: Unlikely Harris-DeJager: Unlikely Fagundes: Unlikely Gordon-Shaw: Unlikely Kojima Development: Moderate
<b>Reptiles</b>						
<i>Actinemys marmorata</i> western pond turtle	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Birds</b>						
<b>Anseriformes</b>						
<i>Dendrocygna bicolor</i> fulvous whistling-duck	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Aythya americana</i> redhead	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate

Common Name Scientific Name	Federal Status <sup>a</sup>	State Status	Potential to Occur			
			UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
<b>Pelecaniformes</b>						
<i>Pelecanus erythrorhynchos</i> American white pelican	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Ciconiiformes</b>						
<i>Ixobrychus exilis</i> least bittern	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Falconiformes</b>						
<i>Elanus leucurus</i> white-tailed kite	--	FP	High	High	High	Castle Commerce Center: High Harris-DeJager: High Fagundes: High Gordon-Shaw: High Kojima Development: High
<i>Haliaeetus leucocephalus</i> bald eagle	BGEPA	E/FP	Moderate	High	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate

Common Name Scientific Name	Federal Status <sup>a</sup>	State Status	Potential to Occur			
			UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
<i>Circus cyaneus</i> northern harrier	--	SSC	High	High	High	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Buteo swainsoni</i> Swainson's hawk	--	T	High	Moderate	High	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Aquila chrysaetos</i> golden eagle	BGEPA	FP	Moderate	High	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Falco peregrinus anatum</i> American peregrine falcon	BCC	--	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Gruiformes</b>						
<i>Grus canadensis canadensis</i> lesser sandhill crane	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate



Common Name Scientific Name	Federal Status <sup>a</sup>	State Status	Potential to Occur			
			UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
						Kojima Development: Moderate
<i>Grus canadensis tabida</i> greater sandhill crane	--	T/FP	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Charadriiformes</b>						
<i>Charadrius alexandrinus</i> snowy plover	T <sup>1</sup>	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Charadrius montanus</i> mountain plover	PT/BCC	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Numenius phaeopus</i> whimbrel	BCC	--	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Unlikely Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Numenius americanus</i> long-billed curlew	BCC	--	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Unlikely Fagundes: Moderate

Common Name Scientific Name	Federal Status <sup>a</sup>	State Status	Potential to Occur			
			UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
						Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Limosa fedoa</i> marbled godwit	BCC	--	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Unlikely Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Calidris canutus</i> red knot	BCC	--	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Unlikely Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Limnodromus griseus</i> short-billed dowitcher	BCC	--	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Unlikely Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Chlidonias niger</i> black tern	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Strigiformes</b>						
<i>Athene cucularia</i> burrowing owl	BCC	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate

Common Name Scientific Name	Federal Status <sup>a</sup>	State Status	Potential to Occur			
			UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
						Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Asio otus</i> long-eared owl	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Asio flammeus</i> short-eared owl	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Apodiformes</b>						
<i>Calypte costae</i> Costa's hummingbird	BCC	--	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Passeriformes</b>						
<i>Lanius ludovicianus</i> loggerhead shrike	BCC	SSC	High	High	High	Castle Commerce Center: High Harris-DeJager: High Fagundes: High Gordon-Shaw: High Kojima Development: High

Common Name Scientific Name	Federal Status <sup>a</sup>	State Status	Potential to Occur			
			UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
<i>Pica nuttalli</i> yellow-billed magpie	BCC	--	High	High	High	Castle Commerce Center: High Harris-DeJager: High Fagundes: High Gordon-Shaw: High Kojima Development: High
<i>Progne subis</i> purple martin	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Dendroica petechia brewsteri</i> yellow warbler	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Icteria virens</i> yellow-breasted chat	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Pipilo maculatus</i> spotted towhee	BCC	--	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate

Common Name Scientific Name	Federal Status <sup>a</sup>	State Status	Potential to Occur			
			UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
<i>Pooecetes gramineus affinis</i> Oregon vesper sparrow	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Vireo bellii pusillus</i> least Bell's vireo	E/BCC	E	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Ammodramus savannarum</i> grasshopper sparrow	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Melospiza melodia</i> song sparrow ("Modesto" population)	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Unlikely Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Agelaius tricolor</i> tricolored blackbird	BCC	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate

Common Name Scientific Name	Federal Status <sup>a</sup>	State Status	Potential to Occur			
			UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
<i>Xanthocephalus xanthocephalus</i> yellow-headed blackbird	--	SSC	High	High	High	Castle Commerce Center: High Harris-DeJager: High Fagundes: High Gordon-Shaw: High Kojima Development: High
<i>Carduelis lawrencei</i> Lawrence's goldfinch	BCC	--	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<b>Mammals</b>						
<i>Lasiurus blossevillii</i> western red bat	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Antrozous pallidus</i> pallid bat	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Eumops perotis californicus</i> western mastiff bat	--	SSC	High	High	High	Castle Commerce Center: High Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate

Common Name Scientific Name	Federal Status <sup>a</sup>	State Status	Potential to Occur			
			UPRR/SR 99 Alternative	BNSF Alternative	Hybrid Alternative	Heavy Maintenance Facility Alternatives
						Kojima Development: Moderate
<i>Vulpes macrotis mutica</i> San Joaquin kit fox	E	T	Moderate	High	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate
<i>Taxidea taxus</i> American badger	--	SSC	Moderate	Moderate	Moderate	Castle Commerce Center: Moderate Harris-DeJager: Moderate Fagundes: Moderate Gordon-Shaw: Moderate Kojima Development: Moderate

Notes:  
 -- = No status designation.  
<sup>a</sup> Federal status:  
 PT (Proposed Threatened) = Federally proposed for listing as Threatened under Federal ESA  
 E (Endangered) = Listed as endangered under Federal ESA.  
 T (Threatened) = Listed as threatened under the Federal ESA.  
<sup>b</sup> State status:  
 E (Endangered) = Listed as endangered under the CESA.  
 T (Threatened) = Listed as threatened under the CESA.  
 R (Rare) = Listed as rare under the CESA  
 FP (Fully Protected) = Classified as fully protected by CDFG  
 SSC (California Species of Special Concern) = Listed as a Species of Special Concern by CDFG  
<sup>d</sup> Source: CDFG (2003), USFWS (1998, 2005, and 2011), BCC = Birds of Conservation Concern (USFWS 2008), BGEPA = Bald and Golden Eagle Protection Act of 1999.