

# **Appendix 1**

## **Technical Data: City of King**

## **Appendix 1.1**

### **Agricultural and Forest Resources Data**

2015 Analysis City of King Siding - East Analysis Scenarios

Temporary 25ft Buffer Assumption	
FMMP Type	Acres
Grazing Lands	0.25
Prime Farmland	8.51

Temporary 50ft Buffer Assumption	
FMMP Type	Acres
Grazing Lands	0.5
Prime Farmland	17.02

2013 Analysis King City Siding - East Side Only	
Row Labels	Sum of polygon_ac
<b>Original King City Siding</b>	<b>4.85</b>
<b>Temporary 25 ft Buffer</b>	<b>1.62</b>
Grazing Land	0.16
Prime Farmland	1.46
<b>Temporary 50 ft Buffer</b>	<b>3.24</b>
Grazing Land	0.32
Prime Farmland	2.92
<b>Grand Total</b>	<b>4.85</b>

Los Padres National Forest is comprised of Federal and Private ownership. Impacts are

Row Labels	Sum of Acreage
(blank)	
(blank)	
(blank)	
(blank)	
<b>Grand Total</b>	

Not in Forest Lands

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## **Appendix 1.2**

### **Biological Resources and Wetlands Data**

## Land Cover Impacts

Row Labels	Sum of Existing Land Cover in Study Area (acres)	Sum of Permanent Impacts (acres)	Sum of Temporary Impacts (acres)
<b>Siding</b>			
City of King			
Annual Grassland	17.6	2.7	3.0
Cropland	226.2	24.6	32.0
Urban	20.5	2.4	0.0
<b>Siding Total</b>	<b>264.3</b>	<b>29.8</b>	<b>35.0</b>
<b>Station</b>			
Soledad Station			
Barren	0.1	0.0	0.0
Urban	20.0	1.9	2.1
King City Station			
Cropland	4.6	0.0	0.0
Urban	16.9	3.4	2.1
City of King Station			
Cropland	0.6	0.0	0.0
Urban	24.5	2.4	2.9
<b>Station Total</b>	<b>66.8</b>	<b>7.8</b>	<b>7.2</b>
<b>Grand Total</b>	<b>331.1</b>	<b>37.5</b>	<b>42.2</b>

## Wetland Impacts

Row Labels	Sum of Existing Wetland Acreage in Study Area	Sum of Permanent Impacts	Sum of Temporary Impacts	Sum of Areas Potentially Indirectly Affected
Siding				
City of King				
Riverine	0.07	0.00	0.00	0.07
<b>City of King Total</b>	<b>0.07</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>
<b>Siding Total</b>	<b>0.07</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>
<b>Grand Total</b>	<b>0.07</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>

No wetland impacts associated with Original 2013 King City Station, 2015 King City Station or Soledad Station

## Species - Summary

Study_Area	Taxonomic Group	Species	Sum of Existing Land Cover in Study Area	Sum of Permanent Impacts	Sum of Temporary Impacts	Sum of Areas Potentially Indirectly Affected
City of King Siding (2015)	Fish and Wildlife	American badger	17.6	2.7	3.0	11.9
		Burrowing owl	17.6	2.7	3.0	11.9
		California condor	17.6	2.7	3.0	11.9
		California horned lark	243.8	27.3	35.0	181.5
		California red-legged frog	17.6	2.7	3.0	11.9
		California tiger salamander	17.6	2.7	3.0	11.9
		coast horned lizard	17.6	2.7	3.0	11.9
		Ferruginous hawk	243.8	27.3	35.0	181.5
		golden eagle	17.6	2.7	3.0	11.9
		Grasshopper sparrow	17.6	2.7	3.0	11.9
		Merlin	243.8	27.3	35.0	181.5
		prairie falcon	243.8	27.3	35.0	181.5
		Salinas pocket mouse	17.6	2.7	3.0	11.9
		San Joaquin kit fox	17.6	2.7	3.0	11.9
		silvery legless lizard	17.6	2.7	3.0	11.9
		tricolored blackbird	243.8	27.3	35.0	181.5
		western spadefoot toad	17.6	2.7	3.0	11.9
		White-tailed kite	17.6	2.7	3.0	11.9
			Plants	recurved larkspur	17.6	2.7
King City Station (2013)	Fish and Wildlife	California horned lark	4.6	0.0	0.0	4.6
		Ferruginous hawk	4.6	0.0	0.0	4.6
		Merlin	4.6	0.0	0.0	4.6
		prairie falcon	4.6	0.0	0.0	4.6
		tricolored blackbird	4.6	0.0	0.0	4.6
City of King Station (2015)	Fish and Wildlife	California horned lark	0.6	0.0	0.0	0.6
		Ferruginous hawk	0.6	0.0	0.0	0.6
		Merlin	0.6	0.0	0.0	0.6
		prairie falcon	0.6	0.0	0.0	0.6
		tricolored blackbird	0.6	0.0	0.0	0.6



# Species - Detail

Type (All) <---Click to Select Upgrade Type

\*Units are in Acres

Study Area	Land Cover	Taxonomic Group	Species	Sum of Existing Land Cover in Study Area	Sum of Permanent Impacts	Sum of Temporary Impacts	Sum of Potentially Indirectly Affected Areas	
City of King Siding (2015)	Annual Grassland	Fish and Wildlife	American badger	17.6	2.7	3.0	11.9	
			Burrowing owl	17.6	2.7	3.0	11.9	
			California condor	17.6	2.7	3.0	11.9	
			California horned lark	17.6	2.7	3.0	11.9	
			California red-legged frog	17.6	2.7	3.0	11.9	
			California tiger salamander	17.6	2.7	3.0	11.9	
			coast horned lizard	17.6	2.7	3.0	11.9	
			Ferruginous hawk	17.6	2.7	3.0	11.9	
			golden eagle	17.6	2.7	3.0	11.9	
			Grasshopper sparrow	17.6	2.7	3.0	11.9	
			Merlin	17.6	2.7	3.0	11.9	
			prairie falcon	17.6	2.7	3.0	11.9	
			Salinas pocket mouse	17.6	2.7	3.0	11.9	
			San Joaquin kit fox	17.6	2.7	3.0	11.9	
			silvery legless lizard	17.6	2.7	3.0	11.9	
			tricolored blackbird	17.6	2.7	3.0	11.9	
			western spadefoot toad	17.6	2.7	3.0	11.9	
			White-tailed kite	17.6	2.7	3.0	11.9	
				Plants		recurved larkspur	17.6	2.7
	Cropland	Cropland	Fish and Wildlife	California horned lark	226.2	24.6	32.0	169.6
Ferruginous hawk				226.2	24.6	32.0	169.6	
Merlin				226.2	24.6	32.0	169.6	
prairie falcon				226.2	24.6	32.0	169.6	
tricolored blackbird				226.2	24.6	32.0	169.6	
				Plants		none	226.2	24.6
Soledad Station	Barren	Fish and Wildlife	none	0.1	0.0	0.0	0.1	
	Urban	Fish and Wildlife	none	20.0	1.9	2.1	15.9	
King City Station (2013)	Cropland	Fish and Wildlife	California horned lark	4.6	0.0	0.0	4.6	

King City Station (2013)	Cropland	Fish and Wildlife	Ferruginous hawk	4.6	0.0	0.0	4.6
			Merlin	4.6	0.0	0.0	4.6
			prairie falcon	4.6	0.0	0.0	4.6
			tricolored blackbird	4.6	0.0	0.0	4.6
		Plants	none	4.6	0.0	0.0	4.6
	Urban	Fish and Wildlife	none	16.9	3.4	2.1	11.4
City of King Station (2015)	Cropland	Fish and Wildlife	California horned lark	0.6	0.0	0.0	0.6
			Ferruginous hawk	0.6	0.0	0.0	0.6
			Merlin	0.6	0.0	0.0	0.6
			prairie falcon	0.6	0.0	0.0	0.6
			tricolored blackbird	0.6	0.0	0.0	0.6
		Plants	none	0.6	0.0	0.0	0.6
	Urban	Fish and Wildlife	none	24.5	2.4	2.9	19.2

## Species Study Area - Summary

Taxonomic Group	Species	Sum of Existing Land Cover in Study Area	Sum of Permanent Impacts	Sum of Temporary Impacts	Sum of Areas Potentially Indirectly Affected
Fish and Wildlife	American badger	1,158.4	150.2	314.5	693.7
	bank swallow	93.1	10.3	24.5	58.4
	Burrowing owl	1,158.4	150.2	314.5	693.7
	California condor	1,158.4	150.2	314.5	693.7
	California horned lark	2,135.6	249.6	594.2	1,291.9
	California linderiella	550.7	84.4	146.2	320.0
	California red-legged frog	1,299.2	168.3	357.6	773.4
	California tiger salamander	919.8	121.1	252.0	546.7
	coast horned lizard	1,508.4	187.9	421.3	899.1
	Coast range newt	358.6	41.5	108.2	209.0
	Conservancy fairy shrimp	550.7	84.4	146.2	320.0
	Ferruginous hawk	2,175.0	254.2	610.6	1,310.2
	Foothill yellow-legged frog	71.7	0.8	11.7	59.3
	golden eagle	1,539.8	195.4	434.4	910.0
	Grasshopper sparrow	1,197.7	154.8	330.9	712.0
	great blue heron	142.4	27.5	51.7	63.2
	hoary bat	421.4	51.4	126.2	243.9
	least Bell's vireo	126.1	13.6	35.6	76.9
	Lompoc grasshopper	650.2	101.2	165.4	383.5
	Merlin	2,135.6	249.6	594.2	1,291.9
	pallid bat	421.4	51.4	126.2	243.9
	prairie falcon	2,175.0	254.2	610.6	1,310.2
	purple martin	302.2	38.4	98.5	165.3
	Salinas pocket mouse	895.7	113.1	238.5	544.0
	San Joaquin kit fox	1,158.4	150.2	314.5	693.7
	San Joaquin pocket mouse	650.2	101.2	165.4	383.5
	San Joaquin whipsnake	1,182.3	152.1	327.9	702.3

Fish and Wildlife	San Luis pyrg	11.2	1.4	3.4	6.4	
	silvery legless lizard	1,158.4	150.2	314.5	693.7	
	steelhead - south/central					
	California coast DPS	71.7	0.8	11.7	59.3	
	tricolored blackbird	2,330.8	280.5	661.1	1,389.2	
	two-striped garter snake	140.9	18.1	43.1	79.7	
	vernal pool fairy shrimp	550.7	84.4	146.2	320.0	
	western pond turtle	140.9	18.1	43.1	79.7	
	western spadefoot toad	1,230.1	151.0	326.2	752.9	
	White-tailed kite	1,242.0	161.0	337.2	743.8	
	yellow warbler	73.2	10.1	20.3	42.8	
	Plants	Abbott's bush-mallow	31.7	3.8	11.7	16.2
		Blochman's dudleya	46.0	10.0	12.3	23.6
Brewer's spineflower		203.6	19.7	60.6	123.4	
caper-fruited tropicocarpum		113.7	13.3	44.5	55.8	
chaparral ragwort		136.1	12.4	29.6	94.2	
Chorro Creek bog thistle		155.3	19.7	34.1	101.5	
Davidson's bush- mallow		66.3	7.5	18.5	40.4	
dwarf calycadenia		303.2	44.0	103.1	156.1	
dwarf soaproot		6.0		0.0	6.0	
Eastwood's larkspur		224.2	30.8	67.0	126.3	
Hardham's evening- primrose		233.9	22.8	68.2	142.9	
hooked popcornflower		471.5	53.6	153.9	264.0	
Hoover's bent grass		328.4	38.0	103.1	187.3	
Hutchinson's larkspur		2.2		0.0	2.2	
Indian Valley bush- mallow		3.5		0.2	3.3	
Indian Valley spineflower		120.2	21.2	41.7	57.3	
Jared's pepper-grass		53.0	7.0	13.2	32.8	
Jolon clarkia		70.6	5.8	21.8	43.1	
Jones' layia		42.6	8.9	10.2	23.5	
La Panza mariposa-lily		151.8	18.6	31.9	101.4	

Plants	Lemmon's jewel-flower	619.7	61.4	168.7	389.6
	mesa horkelia	239.5	24.6	74.0	140.9
	Monterey spineflower	401.5	42.3	119.7	239.5
	most beautiful jewel-flower	425.6	50.8	125.5	249.2
	mouse-gray dudleya	151.8	18.6	31.9	101.4
	pale-yellow layia	349.5	41.9	115.3	192.3
	Palmer's monardella	176.5	15.8	48.4	112.4
	Pecho manzanita	7.8	1.2	2.1	4.5
	recurved larkspur	94.5	10.4	33.3	50.8
	robust spineflower	18.1	1.5	5.7	10.9
	round-leaved filaree	547.4	68.3	180.9	298.2
	San Benito fritillary	6.0		0.0	6.0
	San Luis mariposa-lily	185.0	26.1	67.0	91.9
	San Luis Obispo County lupine	176.5	15.8	48.4	112.4
	San Luis Obispo sedge	189.4	26.1	67.0	96.3
	Santa Cruz microseris	324.0	56.6	66.5	201.0
	Santa Cruz Mountains pussypaws	84.3	14.2	26.5	43.5
	Santa Lucia dwarf rush	206.1	22.8	52.9	130.4
	Santa Lucia manzanita	176.5	15.8	48.4	112.4
	Santa Margarita manzanita	205.2	19.2	60.5	125.5
	shining navarretia	718.2	110.2	188.3	419.6
	straight-awned spineflower	232.3	23.1	72.7	136.5
	Toro manzanita	2.2		0.0	2.2
	woodland woollythreads	280.3	36.8	90.6	153.0
	yellow-flowered eriastrum	212.4	20.7	61.8	129.9

## Species Study Area - Detail

Study\_Area (Multiple Items)

Land Cover	Taxonomic Group	Species	Sum of Existing Land Cover in Study Area	Sum of Permanent Impacts	Sum of Temporary Impacts
Annual Grassland	Fish and Wildlife	American badger	1,158.4	150.2	314.5
		Burrowing owl	1,158.4	150.2	314.5
		California condor	1,158.4	150.2	314.5
		California horned lark	1,158.4	150.2	314.5
		California linderiella	550.7	84.4	146.2
		California red-legged frog	1,158.4	150.2	314.5
		California tiger salamander	892.2	113.1	237.5
		coast horned lizard	1,158.4	150.2	314.5
		Conservancy fairy shrimp	550.7	84.4	146.2
		Ferruginous hawk	1,158.4	150.2	314.5
		golden eagle	1,158.4	150.2	314.5
		Grasshopper sparrow	1,158.4	150.2	314.5
		Lompoc grasshopper	650.2	101.2	165.4
		Merlin	1,158.4	150.2	314.5
		prairie falcon	1,158.4	150.2	314.5
		Salinas pocket mouse	892.2	113.1	237.5
		San Joaquin kit fox	1,158.4	150.2	314.5
		San Joaquin pocket mouse	650.2	101.2	165.4
		San Joaquin whipsnake	1,140.7	147.5	311.5
		silvery legless lizard	1,158.4	150.2	314.5
	tricolored blackbird	1,158.4	150.2	314.5	
	vernal pool fairy shrimp	550.7	84.4	146.2	
	western spadefoot toad	1,158.4	150.2	314.5	
	White-tailed kite	1,158.4	150.2	314.5	
	Plants	Blochman's dudleya	38.2	8.9	10.2
		caper-fruited tropidocarpum	113.7	13.3	44.5
		Chorro Creek bog thistle	38.2	8.9	10.2
		dwarf calycadenia	147.2	15.6	45.6
		Eastwood's larkspur	213.2	30.1	63.8
		hooked popcornflower	246.1	30.8	87.1
		Hoover's bent grass	151.9	22.2	54.7
		Jared's pepper-grass	53.0	7.0	13.2
		Jones' layia	38.2	8.9	10.2
La Panza mariposa-lily		38.2	8.9	10.2	
Lemmon's jewel-flower		619.7	61.4	168.7	
Monterey spineflower		382.4	40.8	113.9	
most beautiful jewel-flower		213.2	30.1	63.8	

Annual Grassland	Plants	mouse-gray dudleya	38.2	8.9	10.2	
		none	154.1	16.2	54.3	
		pale-yellow layia	151.9	22.2	54.7	
		recurved larkspur	94.5	10.4	33.3	
		round-leaved filaree	322.1	36.8	99.1	
		San Luis mariposa-lily	151.9	22.2	54.7	
		San Luis Obispo sedge	151.9	22.2	54.7	
		Santa Cruz microseris	324.0	56.6	66.5	
		Santa Lucia dwarf rush	206.0	22.8	52.9	
		shining navarretia	552.0	84.8	133.2	
			woodland woollythreads	147.2	15.6	45.6
Barren	Fish and Wildlife	none	115.8	23.1	30.4	
	Plants	none	115.8	23.1	30.4	
Blue Oak Woodland	Fish and Wildlife	coast horned lizard	119.2	13.0	27.6	
		Coast range newt	119.2	13.0	27.6	
		golden eagle	119.2	13.0	27.6	
		hoary bat	119.2	13.0	27.6	
		pallid bat	119.2	13.0	27.6	
	Plants	Brewer's spineflower	35.1	2.4	5.4	
		chaparral ragwort	35.3	2.4	5.4	
		Chorro Creek bog thistle	35.1	2.4	5.4	
		Davidson's bush-mallow	8.5		1.3	
		dwarf calycadenia	61.6	8.5	17.1	
			Hardham's evening-primrose	62.7	4.8	12.8
			hooked popcornflower	54.3	4.8	11.4
			Hoover's bent grass	35.1	2.4	5.4
			Indian Valley bush-mallow	0.1		
			Indian Valley spineflower	51.2	8.5	14.9
			Jolon clarkia	6.4		1.3
			La Panza mariposa-lily	35.1	2.4	5.4
			mesa horkelia	49.0	4.5	9.1
			Monterey spineflower	0.1		
			most beautiful jewel-flower	49.0	4.5	9.1
			mouse-gray dudleya	35.1	2.4	5.4
			pale-yellow layia	35.1	2.4	5.4
		Palmer's monardella	35.1	2.4	5.4	
	robust spineflower	0.1				
	round-leaved filaree	75.5	10.6	20.9		
	San Luis Obispo County lupine	35.1	2.4	5.4		

Blue Oak Woodland	Plants	Santa Cruz Mountains pussypaws	42.4	6.1	11.1
		Santa Lucia manzanita	35.1	2.4	5.4
		Santa Margarita manzanita	42.0	3.0	7.9
		shining navarretia	77.7	10.6	20.9
		straight-awned spineflower	42.0	3.0	7.9
		woodland woollythreads	61.6	8.5	17.1
		yellow-flowered eriastrum	49.0	4.5	9.1
Blue Oak-Foothill Pine	Fish and Wildlife	coast horned lizard	58.4	6.1	25.2
		Coast range newt	58.4	6.1	25.2
		golden eagle	58.4	6.1	25.2
		hoary bat	58.4	6.1	25.2
		pallid bat	58.4	6.1	25.2
		purple martin	58.4	6.1	25.2
	Plants	Brewer's spineflower	56.5	6.1	25.1
		Hardham's evening-primrose	56.5	6.1	25.1
		hooked popcornflower	56.5	6.1	25.1
		Hoover's bent grass	56.5	6.1	25.1
		mesa horkelia	58.4	6.1	25.2
		most beautiful jewel-flower	58.4	6.1	25.2
		pale-yellow layia	56.5	6.1	25.1
		Palmer's monardella	56.5	6.1	25.1
		round-leaved filaree	58.4	6.1	25.2
		San Luis Obispo County lupine	56.5	6.1	25.1
		Santa Lucia manzanita	56.5	6.1	25.1
		Santa Margarita manzanita	58.4	6.1	25.2
		shining navarretia	2.0		0.1
		straight-awned spineflower	58.4	6.1	25.2
yellow-flowered eriastrum	58.4	6.1	25.2		
Coastal Oak Woodland	Fish and Wildlife	coast horned lizard	118.2	13.4	35.2
		Coast range newt	160.1	21.5	50.6
		golden eagle	160.1	21.5	50.6
		hoary bat	160.1	21.5	50.6
		pallid bat	160.1	21.5	50.6
		purple martin	160.1	21.5	50.6
	Plants	Brewer's spineflower	72.5	6.7	16.4
		chaparral ragwort	71.0	6.7	15.0



Coastal Oak	Plants	Chorro Creek bog thistle	67.7	6.7	14.8	
		dwarf calycadenia	71.6	12.7	27.9	
		Hardham's evening-primrose	102.2	11.3	28.8	
		hooked popcornflower	102.2	11.3	28.8	
		Hoover's bent grass	72.5	6.7	16.4	
		Indian Valley bush-mallow	3.4		0.2	
		Indian Valley spineflower	69.0	12.7	26.8	
		Jolon clarkia	2.4		0.1	
		La Panza mariposa-lily	67.7	6.7	14.8	
		mesa horkelia	87.5	8.8	22.7	
		Monterey spineflower	3.4		0.2	
		most beautiful jewel-flower	87.5	8.8	22.7	
		mouse-gray dudleya	67.7	6.7	14.8	
		pale-yellow layia	72.5	6.7	16.4	
		Palmer's monardella	72.5	6.7	16.4	
		robust spineflower	2.4		0.1	
		round-leaved filaree	91.4	14.8	35.7	
		San Luis Obispo County lupine	72.5	6.7	16.4	
		Santa Cruz Mountains pussypaws	41.8	8.1	15.4	
		Santa Lucia manzanita	72.5	6.7	16.4	
		Santa Margarita manzanita	87.4	8.8	22.6	
		shining navarretia	86.6	14.8	34.1	
		straight-awned spineflower	87.4	8.8	22.6	
		woodland woollythreads	71.6	12.7	27.9	
		yellow-flowered eriastrum	87.5	8.8	22.7	
	Coastal Scrub	Fish and Wildlife	coast horned lizard	32.7	3.9	13.2
			Ferruginous hawk	32.7	3.9	13.2
golden eagle			32.7	3.9	13.2	
Grasshopper sparrow			32.7	3.9	13.2	
prairie falcon			32.7	3.9	13.2	
Salinas pocket mouse			3.5	0.0	0.9	
San Joaquin whipsnake			30.5	3.9	13.1	
Plants			Blochman's dudleya	3.4	1.2	2.1
		Brewer's spineflower	27.1	3.9	12.2	
		chaparral ragwort	19.0	2.7	7.7	
		Chorro Creek bog thistle	3.4	1.2	2.1	
		Davidson's bush-mallow	3.3		0.9	
		Hutchinson's larkspur	2.2		0.0	
		Jolon clarkia	19.1	1.5	6.5	

Coastal Scrub	Plants	mesa horkelia	27.1	3.9	12.2	
		Monterey spineflower	15.7	1.5	5.6	
		pale-yellow layia	27.1	3.9	12.2	
		Pecho manzanita	3.4	1.2	2.1	
		robust spineflower	15.7	1.5	5.6	
		San Luis mariposa-lily	27.1	3.9	12.2	
		San Luis Obispo sedge	27.1	3.9	12.2	
		straight-awned spineflower	27.1	3.9	12.2	
		Toro manzanita	2.2		0.0	
Cropland	Fish and Wildlife	California horned lark	977.2	99.3	279.7	
		Ferruginous hawk	977.2	99.3	279.7	
		Merlin	977.2	99.3	279.7	
		prairie falcon	977.2	99.3	279.7	
		tricolored blackbird	977.2	99.3	279.7	
		Plants	none	1,262.1	135.0	408.0
Freshwater Emergent Wetland	Fish and Wildlife	California red-legged frog	63.0	17.1	29.1	
		California tiger salamander	24.9	7.8	13.3	
		great blue heron	63.0	17.1	29.1	
		San Luis pyrg	11.2	1.4	3.4	
		tricolored blackbird	63.0	17.1	29.1	
		two-striped garter snake	63.0	17.1	29.1	
		western pond turtle	63.0	17.1	29.1	
		Plants	Chorro Creek bog thistle	0.2		0.1
		dwarf calycadenia	22.9	7.2	12.6	
none	41.3	10.5	17.0			
Freshwater Forested/Shrub Wetland	Fish and Wildlife	least Bell's vireo	52.8	3.5	15.2	
		tricolored blackbird	52.8	3.5	15.2	
	Plants	Jolon clarkia	1.7	0.1	0.2	
		none	51.1	3.4	15.0	
Freshwater Pond	Fish and Wildlife	California red-legged frog	6.1	0.3	2.3	
		California tiger salamander	2.7	0.2	1.1	
		Coast range newt	6.1	0.3	2.3	
		great blue heron	6.1	0.3	2.3	
		tricolored blackbird	6.1	0.3	2.3	
		two-striped garter snake	6.1	0.3	2.3	
		western pond turtle	6.1	0.3	2.3	
		Plants	none	6.1	0.3	2.3
Mixed Chaparral	Fish and Wildlife	coast horned lizard	4.4	0.0	0.0	
		Coast range newt	4.4	0.0	0.0	
		golden eagle	4.4	0.0	0.0	

Mixed Chaparral	Fish and Wildlife	San Joaquin whipsnake	4.4	0.0	0.0
	Plants	Blochman's dudleya	4.4		
		Brewer's spineflower	4.4		
		chaparral ragwort	4.4		
		Chorro Creek bog thistle	4.4		
		dwarf soaproot	4.4		
		Eastwood's larkspur	4.4		
		Hardham's evening-primrose	4.4		
		hooked popcornflower	4.4		
		Hoover's bent grass	4.4		
		Jones' layia	4.4		
		La Panza mariposa-lily	4.4		
		mesa horkelia	4.4		
		most beautiful jewel-flower	4.4		
		mouse-gray dudleya	4.4		
		Palmer's monardella	4.4		
		Pecho manzanita	4.4		
		San Benito fritillary	4.4		
		San Luis mariposa-lily	4.4		
		San Luis Obispo County lupine	4.4		
		San Luis Obispo sedge	8.8		
		Santa Lucia manzanita	4.4		
		Santa Margarita manzanita	4.4		
		straight-awned spineflower	4.4		
yellow-flowered eriastrum	4.4				
Riverine	Fish and Wildlife	bank swallow	22.4	0.5	4.5
		California red-legged frog	71.7	0.8	11.7
		Foothill yellow-legged frog	71.7	0.8	11.7
		steelhead - south/central California coast DPS	71.7	0.8	11.7
		two-striped garter snake	71.7	0.8	11.7
		western pond turtle	71.7	0.8	11.7
		western spadefoot toad	71.7	0.8	11.7
	Plants	none	71.7	0.8	11.7
	Unknown Shrub Type	Fish and Wildlife	coast horned lizard	6.7	0.7
		Ferruginous hawk	6.7	0.7	3.3
		golden eagle	6.7	0.7	3.3
		Grasshopper sparrow	6.7	0.7	3.3
		prairie falcon	6.7	0.7	3.3

Unknown Shrub	Fish and Wildlife	San Joaquin whipsnake	6.7	0.7	3.3
	Plants	Brewer's spineflower	1.6		0.0
		dwarf soaproot	1.6		0.0
		Eastwood's larkspur	6.7	0.7	3.3
		Hardham's evening-primrose	1.6		0.0
		hooked popcornflower	1.6		0.0
		Hoover's bent grass	1.6		0.0
		mesa horkelia	6.7	0.7	3.3
		most beautiful jewel-flower	6.7	0.7	3.3
		Palmer's monardella	1.6		0.0
		San Benito fritillary	1.6		0.0
		San Luis mariposa-lily	1.6		0.0
		San Luis Obispo County lupine	1.6		0.0
		San Luis Obispo sedge	1.6		0.0
		Santa Lucia dwarf rush	0.1		
		Santa Lucia manzanita	1.6		0.0
		Santa Margarita manzanita	6.6	0.7	3.3
		straight-awned spineflower	6.6	0.7	3.3
		yellow-flowered eriastrum	6.7	0.7	3.3
	Urban	Fish and Wildlife	none	412.1	59.6
Plants		none	412.1	59.6	91.9
Valley Foothill Riparian	Fish and Wildlife	bank swallow	70.8	9.8	20.0
		great blue heron	73.2	10.1	20.3
		hoary bat	73.2	10.1	20.3
		least Bell's vireo	73.2	10.1	20.3
		pallid bat	73.2	10.1	20.3
		purple martin	73.2	10.1	20.3
		tricolored blackbird	73.2	10.1	20.3
		White-tailed kite	73.2	10.1	20.3
		yellow warbler	73.2	10.1	20.3
		Plants	Abbott's bush-mallow	31.7	3.8
	Davidson's bush-mallow		54.6	7.5	16.2
	Jolon clarkia		41.0	4.1	13.5
		none	9.3	2.3	2.3
Valley Oak Woodland	Fish and Wildlife	coast horned lizard	10.4	0.6	2.4
		Coast range newt	10.4	0.6	2.4
		hoary bat	10.4	0.6	2.4
		pallid bat	10.4	0.6	2.4
		purple martin	10.4	0.6	2.4
		White-tailed kite	10.4	0.6	2.4
	Plants	Brewer's spineflower	6.4	0.6	1.5

Valley Oak	Plants	chaparral ragwort	6.4	0.6	1.5
		Chorro Creek bog thistle	6.4	0.6	1.5
		Hardham's evening-primrose	6.4	0.6	1.5
		hooked popcornflower	6.4	0.6	1.5
		Hoover's bent grass	6.4	0.6	1.5
		La Panza mariposa-lily	6.4	0.6	1.5
		mesa horkelia	6.4	0.6	1.5
		most beautiful jewel-flower	6.4	0.6	1.5
		mouse-gray dudleya	6.4	0.6	1.5
		none	4.0		0.9
		pale-yellow layia	6.4	0.6	1.5
		Palmer's monardella	6.4	0.6	1.5
		San Luis Obispo County lupine	6.4	0.6	1.5
		Santa Lucia manzanita	6.4	0.6	1.5
		Santa Margarita manzanita	6.4	0.6	1.5
		straight-awned spineflower	6.4	0.6	1.5
		yellow-flowered eriastrum	6.4	0.6	1.5

CNDDDB - Update

	A	B	C	D	E
				CNDDB Occurrences Potentially Directly Impacted (Permanent or Temporary)	CNDDB Occurrences Potentially Indirectly Affected
1	Study_Area	Species Common Name	Total CNDDB Occurrences in Study Area		
2	City of King Siding (2015)				
3		bank swallow	1	1	1
4	City of King Station (2015)				
5		American badger	1	0	1
6	King City Station (2013)				
7		American badger	1	0	1
8	Soledad Station				
9		None	0	0	0

CNDDDB - Project

Species Common Name	CNDDDB Occurrences in Coast Corridor Project Area	CNDDDB Occurrences Potentially Directly Impacted (Permanent or Temporary)	CNDDDB Occurrences Potentially Indirectly Affected
American badger	1	1	1
American peregrine falcon	1	1	1
bank swallow	2	2	2
California condor	1	1	1
Cambria morning-glory	1	0	1
Congdon's tarplant	1	1	1
dwarf soaproot	1	1	1
golden eagle	3	3	3
Hardham's evening-primrose	1	0	1
least Bell's vireo	1	1	1
Lemmon's jewel-flower	1	1	1
mesa horkelia	2	2	2
pale-yellow layia	1	0	1
prairie falcon	16	16	16
San Benito fritillary	1	1	1
San Joaquin kit fox	3	3	3
San Joaquin pocket mouse	1	1	1
San Joaquin whipsnake	1	1	1
Santa Margarita manzanita	1	1	1
tricolored blackbird	1	0	1
western pond turtle	1	0	1
western spadefoot	1	1	1
white-tailed kite	1	1	1
yellow warbler	1	1	1

No Change from 2013 analysis

## Critical Habitat

Study Area	Species with Critical Habitat	Existing in Study Area (acres)	Permanent Impacts (acres)	Temporary Impacts (acres)	Area Potentially Indirectly Affected (within 250 feet of disturbance)
City of King Siding (2015)	NONE	0	0	0	0
City of King Station	NONE	0	0	0	0
King City Station (2013)	NONE	0	0	0	0
Soledad Station	NONE	0	0	0	0
<b>Acreage Grand Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



## Streams

Study Area	Existing Stream Length in Study Area (linear feet)	Permanent Impacts to Streams (linear feet)	Temporary Impacts to Streams (linear feet)	Number of Stream Crossings in Study Area	Notes	Species Potentially Occurring in Stream
City of King Siding (2015)	142	0	0	0	1 Unnamed Intermittent Stream	Foothill yellow legged frog, California red-legged frog, Coast Range newt, western spadefoot toad, two-striped garter snake, and western pond turtle
City of King Station (2015)	0	0	0	0	0 N/A	N/A
King City Station (2013)	0	0	0	0	0 N/A	N/A
Soledad Station	0	0	0	0	0 N/A	N/A
Second Mainline	0	0	0	0	0 N/A	N/A
<b>Grand Total</b>	<b>142</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	

**Appendix 1.3**  
**Cultural Resources Data**

# NWIC

P-number	Trinomial	Site Type	Recordation Date	Author	HRI	Built Enviro-ArchHist	POS-Date Constructed	Description	Eligible NRHP	Eligible CRHR Only	Eligible Local Only	Eval N-E	Recorded - No Eval	Outside Temp/Perm Boundary	Permanent/City of King Siding	Temporary/King City Siding
P-27-002971		Historic - BE	Oct-08	M. Millett and J. Glover		X	1883-1923	Southern Pacific Railroad (King City)					X	No	X	

## Properties

<b>ICF-ID</b>	<b>APN</b>	<b>Est. Year Built if known</b>	<b>Resource Type</b>	<b>Upgrade Type</b>	<b>Upgrade Name</b>	<b>Impact</b>
IND-1	026292002000	1952	Industrial	Station	City of King	n/a
IND-6	Unkown	Unkown	Industrial	Station	City of King	Permanent
IND-7	026293003000	Unkown	Industrial	Station	City of King	Permanent

Properties - Station Area

<b>ICF-ID</b>	<b>APN</b>	<b>Est. Year Built if known</b>	<b>Resource Type</b>	<b>Upgrade Type</b>	<b>Upgrade Name</b>	<b>Impact Type</b>
IND-1	026292002000	1952	Industrial	Station	City of King	n/a
IND-6	Unkown	Unkown	Industrial	Station	City of King	Permanent
IND-7	026293003000	Unkown	Industrial	Station	City of King	Permanent

**Appendix 1.4**  
**Environmental Justice Data**

## EJ - Minority Block Group

Row Labels	Product of % Minority	Count of Greater than 50% below Poverty	% Minority Population Higher than 10% Over County Percentage (1=EJ)	Notes: *Percent Living Below Poverty_ Monterey - 44.41% San Luis Obispo - 17.39%
Monterey County				
Station				
City of King				
Block Group 1, Census Tract 113.02	58.42%		1	
Block Group 1, Census Tract 113.03	31.94%			1
Block Group 1, Census Tract 113.04	56.50%		1	
Block Group 2, Census Tract 113.02	52.23%		1	
Block Group 2, Census Tract 113.03	39.98%			1
Block Group 2, Census Tract 113.04	56.12%		1	
Block Group 3, Census Tract 113.02	48.99%			1
Block Group 3, Census Tract 113.04	47.80%			1

EJ - Minority Block Group

Row Labels	% Minority	Greater then 50% Minority (1=EJ)	% Minority Population Higher than 10% Over County Percentage (1=EJ)
Monterey County			
Sidings			
<b>City of King</b>			
Block Group 1, Census Tract 113.02	58.42%	1	1
Block Group 1, Census Tract 113.04	56.50%	1	1
Block Group 2, Census Tract 113.02	52.23%	1	1
Block Group 2, Census Tract 113.04	56.12%	1	1
Block Group 3, Census Tract 113.04	47.80%		1

Notes:  
\*Percent Living Below Poverty  
**Monterey - 44.41%**  
**San Luis Obispo - 17.39%**



EJ - Poverty - Tract

Row Labels	Percent Population Living Below Poverty	Greater than 25% below Poverty (1=EJ)	Tracts 10% greater than the County Poverty Percentage* (1=EJ)	Notes: <u>*Percent Living Below Poverty</u> Monterey - 15.10% San Luis Obispo - 13.20%
Monterey County				
Station				
City of King				
Census Tract 113.02	27.50	1	1	
Census Tract 113.03	4.70			
Census Tract 113.04	10.30			

EJ - Poverty - Tract

Row Labels	Percent Population Living Below Poverty	Greater than 25% below Poverty (1=EJ)	Tracts 10% greater than the County Poverty Percentage* (1=EJ)	Notes: *Percent Living Below Poverty Monterey - 15.10% San Luis Obispo - 13.20%
Monterey County				
Sidings				
City of King				
Census Tract 113.02	27.5	1	1	
Census Tract 113.04	10.3			

**Appendix 1.5**  
**Geology and Soil Data**

### Monterey Shrink Swell Potential

Row Labels	Sum of Acreage
Siding	62.360
City of King	62.360
<b>Permanent</b>	27.350
High	18.360
Moderate	8.990
<b>Temporary</b>	35.010
High	22.750
Moderate	12.260
Station	2.440
City of King	2.440
<b>Permanent</b>	2.440
Moderate	2.440
<b>Grand Total</b>	<b>64.800</b>

### Monterey Corrosivity to Steel

Row Labels	Sum of Acreage
Siding	62.360
City of King	62.360
<b>Permanent</b>	27.350
High	27.350
<b>Temporary</b>	35.010
High	35.010
Station	2.440
City of King	2.440
<b>Permanent</b>	2.440
High	2.440
<b>Grand Total</b>	<b>64.800</b>

Monterey Corrosivity to Concrete

Row Labels	Sum of Acreage
Siding	62.360
City of King	62.360
<b>Permanent</b>	27.350
Low	27.350
<b>Temporary</b>	35.010
Low	35.010
Station	2.440
City of King	2.440
<b>Permanent</b>	2.440
Low	2.440
<b>Grand Total</b>	<b>64.800</b>

### Monterey Erosion Hazard

Row Labels	Sum of Acreage
Siding	62.360
City of King	62.360
<b>Permanent</b>	27.350
Slight	27.350
<b>Temporary</b>	35.010
Slight	35.010
Station	2.440
City of King	2.440
<b>Permanent</b>	2.440
Slight	2.440
<b>Grand Total</b>	<b>64.800</b>

Seismic Shaking Hazard

Row Labels	Sum of Acres	California Potential Shaking Ranges from <b>Low (0-0.83)</b> , <b>Medium (0.83-1.66)</b> and <b>High (1.66-2.50)</b> .
<b>Siding</b>	<b>62.36</b>	
<b>City of King</b>	<b>62.36</b>	
<b>Permanent</b>		
Low (0.55)	27.35	
<b>Temporary</b>		
Low (0.55)	35.01	
<b>Station</b>	<b>2.44</b>	
<b>City of King</b>	<b>2.44</b>	
<b>Permanent</b>		
Low (0.65)	2.44	
<b>Grand Total</b>	<b>64.80</b>	



Monterey Landslide Potential	
Siding	
City of King	
<b>Temporary</b>	
Low Potential	
Station	
City of King	
<b>Permanent</b>	
Low Potential	

## Monterey Liquefaction

Siding
City of King
<b>Permanent</b>
Moderate Potential
<b>Temporary</b>
Moderate Potential

  

Station
City of King
<b>Permanent</b>
Moderate Potential

## **Appendix 1.6**

### **Hazards and Hazardous Materials Data**

**No Hazard Impacts to City of King Siding or Station**

## **Appendix 1.7**

### **Hydrology and Water Resources Data**

<b>100yr Flood Impacts</b>	<b>Sum of Acres</b>
Siding	0.00
City of King	0.00
Station	0.00
City of King	0.00
<b>Grand Total</b>	<b>0.00</b>

**No impacts associated with 100yr floodplain**

2015 City of King Analysis	Sum of Length_ft
Siding	0.00
City of King	0.00
<b>Permanent</b>	0.00
<b>Temporary</b>	0.00
Station	0.00
City of King	0.00
<b>Permanent</b>	0.00
<b>Grand Total</b>	<b>0.00</b>

**No Impacts to Streams**

<-----Updated

<-----Updated

<-----Updated

Study Area	Number of Stream Crossings in Upgrade Area
<b>Sidings</b>	
City of King	0
<b>Stations</b>	
City of King	0
<b>Grand Total</b>	<b>0</b>



**Appendix 1.8**  
**Land Use Data**

<b>GP Land Use</b>	<b>Sum of Acreage</b>
Siding	56.848
City of King Siding	56.848
<b>Permanent</b>	22.360
Agriculture	22.360
<b>Temporary</b>	34.487
Agriculture	34.487
Station	1.309
City of King Station	1.309
<b>Permanent</b>	1.309
Commercial	1.309
<b>Grand Total</b>	<b>58.157</b>

Land Ownership	Sum of Acreage
City of King Siding	62.364
Private	62.364
City of King Station	2.435
Private	2.435
<b>Grand Total</b>	<b>64.799</b>

**Appendix 1.9**  
**Mineral Resources Data**

**No Mineral Resources within City of King Siding or Station**

## **Appendix 1.10**

### **Section 4(f) and 6(f) Data**

**No associated 4(f) or 6(f) disturbances associated with the City of King station/siding**

**Appendix 1.11**  
**Public Utilities and Services Data**



Pipeline Impact

Row Labels	Sum of Length
------------	---------------

**Grand Total**

No Impacts

Transmission Line Impact

Row Labels	Linear Ft
City of King Siding	14,192.00
Permanent	372.19
Coburn to Oilfields 69 kV	83.09
Coburn to San Ardo 69 kV	152.20
Panoche to Coburn 230 kV	68.59
Moss Landing to Coburn 230 kV	68.31
Temporary	13,819.81
Coburn to Oilfields 69 kV	121.59
Coburn to San Ardo 69 kV	218.45
Coburn to Basic Vegetable 69 kV	13,279.35
Panoche to Coburn 230 kV	100.40
Moss Landing to Coburn 230 kV	100.01
<b>Grand Total</b>	<b>14,192.00</b>

Study Area	Number of Pipe Line Crossings in Upgrade Area	Number of Transmission Line Crossings in Upgrade Area
Sidings		
City of King	0	13
<b>Grand Total</b>	<b>0</b>	<b>13</b>