Appendix D

Large Format Data Tables

These tables compare the Revised Proposed Routes, Alternatives 8G and 9K, and the Toana Road Variations across many resources, regardless of the need for plan amendments or the likelihood that they would be approved.

List of Tables

NOTE: The tables in Appendix D are sequentially numbered within each resource based on alternatives examined in the Draft EIS. When the two single-circuit option was removed from consideration, tables that addressed only that option were also removed, but subsequent tables in each resource section were NOT renumbered. The FEIS table numbering has been retained in the SEIS for ease of comparison with the FEIS.

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Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Natural Vegetation											Disturbed & Semi-natural Vegetation				Other Cover Types	Total Natural Vegetation	Total Disturbed and Semi-natural Vegetation	Total Other Cover Types	Grand Total
			Sagebrush	Saltbush	Greasewood	Dwarf Shrub	Other Shrub	Native Grass	Juniper	Deciduous Forest	Conifer Forest	Wetland & Riparian	Misc.	Disturbed Sagebrush	Disturbed Grassland	Agriculture	Disturbed/ Developed	Water				
8	Revised Proposed Route	129.7	35.8 [0.1]	1.5 [0.2]	0.1			0.3				0.7	0.3	29.3 [4.8]	46.1 [12.2]	14.1 [0.1]	1.2 [0.2]	0.3	1.4 [0.3]	90.7 [17.3]	0.3	**129.7 [17.6]**
	Proposed – Existing 500-kV Removal[1/]	1.1													0.9 [0.3]	0.2				1.1 [0.3]		**1.1 [0.3]**
	Route 8G	146.9	47.7 [1.1]	9.2 [0.1]	1.6							0.3	t[2/]	27.1 [0.8]	47.0 [6.7]	11.2	2.5	0.3	58.8 [1.2]	87.8 [7.5]	0.3	**147.0 [8.8]**
	Route 8G – Existing 500-kV Removal	1.9												0.1	0.2	1.0	0.6			1.9		**1.9**
	Route 8H	137.5	17.8 [6.5]	2.2 [1.0]	0.1				t[2/] [t[2/]]			0.2 [t[2/]]	t[2/]	36.4 [14.2]	65.4 [30.0]	12.8 [t[2/]]	2.0 [0.4]	0.6 [0.2]	20.4 [7.6]	116.5 [44.6]	0.6 [0.2]	**137.6 [52.4]**
	Route 8H – Existing 138-kV Removal	25.7	0.5 [0.5]									t[2/] [t[2/]]		9.1 [6.5]	14.0 [12.5]	1.0 [t[2/]]	1.0 [0.8]		0.5 [0.5]	25.1 [19.9]		**25.7 [20.3]**
	Route 8H – Existing 500-kV Removal	1.9												t[2/]	0.2	1.0	0.6			1.9		**1.9**
9	Revised Proposed Route	165.3	27.5 [6.5]	2.9 [0.9]	0.2			2.9	0.1 [0.1]			0.2 [t[2/]]	0.3	42.0 [14.1]	80.6 [30.1]	6.0	2.0 [0.4]	0.5	34.1 [7.8]	130.6 [44.6]	0.5	**165.3 [52.4]**
	Proposed – Existing 138-kV Removal[1/]	25.7	0.5 [0.5]									0.1 [t[2/]]		9.1 [6.5]	14.0 [12.5]	1.0	1.0 [0.8]		0.6 [0.5]	25.1 [19.8]		**25.7 [20.3]**
	Segment 9 FEIS Proposed Route	162.2	33.8 [2.8]	19.5 [1.1]	3.5 [t[2/]]	t[2/]		2.9	t[2/]			0.5 [t[2/]]	0.7	27.8 [0.4]	57.7 [6.6]	13.9 [t[2/]]	1.8 [0.1]	0.2	60.9 [3.9]	101.1 [7.2]	0.2	**162.2 [11.1]**
	Route 9K	174.6	57.4 [1.1]	9.8	1.5			2.9	t[2/]			0.3	0.3	35.2 [0.7]	60.4 [6.8]	4.3	2.3	0.1	72.2 [1.1]	102.2 [7.5]	0.1	**174.6 [8.7]**
	Proposed – Comparison Portion for Toana Road Variations 1/1-A	8.7	3.3					0.1	t[2/]					0.4	4.8		0.1		3.4	5.2	0.1	**8.7**
	Toana Road Variation 1	8.5	2.9											4.6	1.0		0.1		2.9	5.7		**8.5**
	Toana Road Variation 1-A	8.9	3.3											4.3	1.3		0.1		3.3	5.6		**8.9**

Notes: Mileages have been rounded to the nearest tenth of a mile; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero miles or null value

The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

[2/] "t" indicates only a trace amount (<0.1 mile) crossed

Table D.6-2. Acreage of Construction Impacts to Vegetation

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Sagebrush	Saltbush	Greasewood	Dwarf Shrub	Other Shrub	Native Grass	Misc.	Conifer Forest			Deciduous Forest			Juniper			Wetland/Riparian		
										Construction Facilities	ROW Clearing[1/]	Total Impacts	Construction Facilities	ROW Clearing[1/]	Total Impacts	Construction Facilities	ROW Clearing[1/]	Total Impacts	Construction Facilities	ROW Clearing[1/]	Total Impacts
8	Revised Proposed Route	129.7	612 [5]	39 [8]	1			4	2										6.0	1.6	**7.6**
	Proposed – Existing 500-kV Removal[2/]	1.1																			
	Route 8G	146.9	829 [23]	170 [4]	21				<1							26		26	1.5 [0.3]	1.0	**2.5 [0.3]**
	Route 8G – Existing 500-kV Removal	1.9																			
	Route 8H	137.5	289 [122]	45 [24]	4 [3]				1							<1 [<1]	1 [1]	2 [2]	2.7 [0.7]		**2.7 [0.7]**
	Route 8H – Existing 138-kV Removal	25.7	<1 [<1]																		
	Route 8H – Existing 500-kV Removal	1.9																			
9	Revised Proposed Route	165.3	489 [115]	69 [24]	4 [3]			73	2							1 [1]	2 [1]	3 [2]	3.2 [0.9]		**3.2 [0.9]**
	Proposed – Existing 138-kV Removal[2/]	25.7	1 [1]																		
	Segment 9 FEIS Proposed Route	162.2	610 [67]	329 [18]	70 [3]	<1		61	6							<1	<1	1	6.0 [0.7]	t[3/]	**6.0 [0.7]**
	Route 9K	174.6	1,033 [21]	185 [4]	16			73	2							26	<1	26	2.1 [0.3]	1.4	**3.5 [0.3]**
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7	58					7								<1	<1	1			
	Toana Road Variation 1	8.5	54																		
	Toana Road Variation 1-A	8.9	57																		

Table D.6-2. Acreage of Construction Impacts to Vegetation cont.

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Disturbed Sagebrush	Disturbed Grassland	Disturbed/ Developed	Agriculture	Water	No Vegetation Data	Total Natural Vegetation			Total Disturbed and Semi-natural Vegetation	Total Other Cover Types	Grand Total		
									Construction Facilities	ROW Clearing[1/]	Total Impacts			Construction Facilities	ROW Clearing[1/]	Total Impacts
8	Revised Proposed Route	129.7	548 [51]	782 [197]	68 [28]	190 [t[3/]]	3	4	664 [13]	2	666 [13]	1,588 [276]	7	2,259 [289]	2	**2,261 [289]**
	Proposed – Existing 500-kV Removal[2/]	1.1		7 [3]	<1 [<1]	1						8 [3]		8 [3]		**8 [3]**
	Route 8G	146.9	514 [16]	873 [132]	133 [4]	175 [<1]	1	<1	1,048 [27]	1	1,049 [27]	1,695 [152]	1	2,744 [179]	1	**2,745 [179]**
	Route 8G – Existing 500-kV Removal	1.9	3	<1	2	4						9		9		**9**
	Route 8H	137.5	684 [277]	1,204 [552]	84 [24]	203 [<1]	4 [1]	4 [2]	341 [150]	1 [1]	343 [152]	2,175 [853]	8 [3]	2,525 [1,006]	1 [1]	**2,526 [1,007]**
	Route 8H – Existing 138-kV Removal	25.7	17 [13]	26 [23]	2 [2]	2 [t[3/]]		t[3/] [t[3/]]	<1 [<1]		<1 [<1]	47 [38]	t[3/] [t[3/]]	48 [38]		**48 [38]**
	Route 8H – Existing 500-kV Removal	1.9	3	<1	2	4		t[3/]				10	t[3/]	10		**10**
9	Revised Proposed Route	165.3	758 [277]	1,469 [549]	106 [24]	167 [1]	4	2 [1]	641 [144]	2 [1]	643 [145]	2,500 [851]	6 [1]	3,147 [996]	2 [1]	**3,149 [997]**
	Proposed – Existing 138-kV Removal[2/]	25.7	17 [13]	26 [23]	2 [2]	2 [t[3/]]			1 [1]		1 [1]	47 [38]		48 [39]		**48 [39]**
	Segment 9 FEIS Proposed Route	162.2	496 [13]	1,227 [164]	77 [3]	406 [<1]	2	3 [<1]	1,083 [88]	<1	1,084 [88]	2,205 [180]	5 [<1]	3,294 [269]	<1	**3,294 [269]**
	Route 9K	174.6	626 [16]	1,127 [126]	151 [4]	139 [<1]	<1	1	1,337 [25]	1	1,339 [25]	2,043 [146]	2	3,382 [171]	1	**3,384 [171]**
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7	6	92	14				65	<1	65	112		177	<1	**177**
	Toana Road Variation 1	8.5	63	35	16				54		54	114		168		**168**
	Toana Road Variation 1-A	8.9	67	28	11				57		57	106		163		**163**

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

The numbers in square brackets "[ ]" correspond to impacts that would occur on the SRBOP

[1/] ROW Clearing limited to tall vegetation that may impact transmission line safety

[2/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

[3/] "t" indicates only a trace amount (<0.1 acre) of impact

Table D.6-3. Acreage of Operations Impacts to Vegetation

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Sagebrush	Saltbush	Greasewood	Dwarf Shrub	Other Shrub	Native Grass	Misc.	Conifer Forest			Deciduous Forest			Juniper			Wetland / Riparian		
										Operations Facilities	ROW Maintenance[1/]	Total Impacts	Operations Facilities	ROW Maintenance[1/]	Total Impacts	Operations Facilities	ROW Maintenance[1/]	Total Impacts	Operations Facilities	ROW Maintenance[1/]	Total Impacts
8	Revised Proposed Route	129.7	64 [1]	3 [1]	<1			1	<1										0.6	1.6	**2.2**
	Route 8G	146.9	85 [2]	21 [1]	2				<1							3			0.2 [0.1]	1.0	**1.2 [0.1]**
	Route 8H	137.5	25 [11]	3 [2]	<1 [<1]				t[2/]								2 [2]	2 [2]	0.2 [0.2]		**0.2 [0.2]**
9	Revised Proposed Route	165.3	52 [11]	4 [2]	1 [1]			8	t[2/]							t[2/]	3 [2]	3 [2]	0.2 [0.2]		**0.2 [0.2]**
	Segment 9 FEIS Proposed Route	162.2	59 [5]	33 [2]	9 [<1]	t[2/]		8	<1							t[2/]	1	1	0.9 [0.2]	t[2/]	**0.9 [0.2]**
	Route 9K	174.6	113 [2]	21 [1]	2			8	t[2/]							3	1	4	0.2 [0.1]	1.4	**1.6 [0.1]**
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7	7					<1								t[2/]	1	1			
	Toana Road Variation 1	8.5	5																		
	Toana Road Variation 1-A	8.9	5																		

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Disturbed Sagebrush	Disturbed Grassland	Disturbed / Developed	Agriculture	Water	No Vegetation Data	Total Natural Vegetation			Total Disturbed and Semi-natural Vegetation	Total Other Cover Types	Grand Total		
									Operations Facilities	ROW Maintenance[1/]	Total Impacts			Operations Facilities	ROW Maintenance[1/]	Total Impacts
8	Revised Proposed Route	129.7	62 [3]	66 [11]	24 [12]	16	<1	1	69 [2]	2	71 [2]	168 [26]	1	238 [28]	2	**240 [28]**
	Route 8G	146.9	61 [3]	108 [21]	33 [1]	12 [t[2/]]	<1	<1	111 [3]	1	112 [3]	214 [25]	<1	325 [28]	1	**326 [28]**
	Route 8H	137.5	66 [21]	124 [47]	22 [7]	15 [<1]	t[2/] [t[2/]]	t[2/] [t[2/]]	29 [13]	2 [2]	31 [15]	227 [74]	t[2/] [t[2/]]	256 [88]	2 [2]	**258 [89]**
9	Revised Proposed Route	165.3	84 [21]	149 [46]	25 [7]	10 [<1]	<1		65 [14]	3 [2]	68 [16]	268 [74]	<1	333 [88]	3 [2]	**336 [90]**
	Segment 9 FEIS Proposed Route	162.2	71 [2]	131 [17]	12 [<1]	35 [t[2/]]	<1	<1 [t[2/]]	111 [8]	1	112 [8]	248 [20]	<1 [t[2/]]	360 [28]	1	**361 [28]**
	Route 9K	174.6	83 [3]	135 [20]	37 [1]	8 [t[2/]]	<1	<1	148 [3]	2	150 [3]	263 [24]	<1	411 [27]	2	**413 [27]**
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7	1	6	2				7	1	8	9		16	1	**17**
	Toana Road Variation 1	8.5	6	1	3				5		5	10		16		**16**
	Toana Road Variation 1-A	8.9	3	2	1				5		5	6		11		**11**

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] ROW Clearing limited to tall vegetation that may impact transmission line safety

[2/] "t" indicates only a trace amount (<0.1 acre) of impact

Table D.6-5. Acreage of Construction Impacts to Vegetation on Federal Lands

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Bureau of Land Management Field Office	Shrubland	Forest/Woodland		Wetland/Riparian		Grassland	Other Cover Types	Total Impacts
				Construction Facilities	ROW Clearing	Construction Facilities	ROW Clearing			
8	Revised Proposed Route	Four Rivers	366			0.7		359	31	**756**
		Owyhee	52			0.1		18	5	**74**
		Shoshone	321			0.1		104	12	**436**
	Proposed – Existing 500-kV Removal[1/]	Four Rivers						3	<1	**3**
	Route 8G	Bruneau	469	9		0.6		128	24	**631**
		Four Rivers	40			0.3		126	4	**170**
		Jarbidge	159			0.3		336	<1	**496**
		Owyhee	466			0.1		6	36	**507**
		Shoshone	100					53	17	**170**
	Route 8G – Existing 500-kV Removal	Jarbidge	2						<1	**3**
	Route 8H	Bruneau	2					<1	<1	**3**
		Four Rivers	442	<1	1	0.7		585	29	**1,058**
		Jarbidge	154			0.3		348	8	**511**
		Owyhee	141			0.1		9	4	**153**
		Shoshone	107					59	17	**183**
	Route 8H – Existing 138-kV Removal	Four Rivers	14					24	2	**39**
	Route 8H – Existing 500-kV Removal	Jarbidge	2						<1	**2**
9	Revised Proposed Route	Bruneau	2					<1	<1	**3**
		Burley	202					229	24	**455**
		Four Rivers	397	<1	1	0.8		530	26	**955**
		Jarbidge	351	<1	<1	0.1		531	25	**908**
		Owyhee	122					5	6	**132**
	Proposed – Existing 138-kV Removal[1/]	Four Rivers	14					24	2	**39**
	Segment 9 FEIS Proposed Route	Bruneau	215					89	17	**321**
		Burley	211			t[2/]		298	10	**520**
		Four Rivers	101			0.7		166	4	**271**
		Jarbidge	378	<1	<1	0.4		599	26	**1,005**
		Owyhee	367			t[2/]		4	4	**375**
	Route 9K	Bruneau	492	9		0.6		125	22	**648**
		Burley	202					229	24	**455**
		Four Rivers	37			0.3		120	4	**161**
		Jarbidge	370	<1	<1	0.1		545	25	**940**
		Owyhee	461					2	36	**499**
	Proposed - Comparison portion for Toana Road Variations 1/1-A	Jarbidge	58	<1	<1			82	13	**153**
	Toana Road Variation 1	Jarbidge	104					23	16	**143**
	Toana Road Variation 1-A	Jarbidge	99					19	10	**128**

Segment Number	Revised Proposed Routes and Other Routes	Other Federal Lands	Shrubland	Forest/Woodland		Wetland/Riparian		Grassland	Other Cover Types	Total Impacts
				Construction Facilities	ROW Clearing	Construction Facilities	ROW Clearing			
8	Revised Proposed Route	Bureau of Reclamation	53					8	7	**67**
	Route 8G	Military Reservation/Corps of Engineers	4					3		**7**
	Route 8H	Bureau of Reclamation						<1	t[2/]	**<1**
		Military Reservation/Corps of Engineers	4					3	t[2/]	**7**
9	Revised Proposed Route	Bureau of Reclamation						<1		**<1**
		Military Reservation/Corps of Engineers	4					3		**7**
	Segment 9 FEIS Proposed Route	Military Reservation/Corps of Engineers	4					3	t[2/]	**7**
	Route 9K	Military Reservation/Corps of Engineers	4					3		**7**

Notes: Acreages have been rounded to the nearest whole acre or, in the case of wetlands, the nearest tenth of an acre; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero acres or null value

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.6-6. Acreage of Operations Impacts to Vegetation on Federal Lands

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Bureau of Land Management Field Office	Shrubland	Forest/Woodland		Wetland/Riparian		Grassland	Other Cover Types	Total Impacts
				Operations Facilities	ROW Maintenance	Operations Facilities	ROW Maintenance			
8	Revised Proposed Route	Four Rivers	39			t[2/]		25	13	**77**
		Owyhee	5					2	1.6	**8**
		Shoshone	36			t[2/]		12	2	**50**
	Proposed – Existing 500-kV Removal[1/]	No BLM Land Crossed								
	Route 8H	Bruneau	<1					<1	t[2/]	**<1**
		Four Rivers	37		2	0.2		50	7	**95**
		Jarbidge	14			t[2/]		41	2	**57**
		Owyhee	16					2	2	**19**
		Shoshone	9					5	5	**20**
9	Revised Proposed Route	Bruneau	<1					<1	t[2/]	**<1**
		Burley	19					26	7	**52**
		Four Rivers	33	t[2/]	2	0.2		52	7	**94**
		Jarbidge	51	t[2/]	1	t[2/]		67	4	**122**
		Owyhee	16					1	2	**20**
	Segment 9 FEIS Proposed Route	Bruneau	27					8	2	**37**
		Burley	22					33	2	**57**
		Four Rivers	11			0.2		17	<1	**29**
		Jarbidge	51	t[2/]	1	t[2/]		70	4	**126**
		Owyhee	38			t[2/]		<1	<1	**39**
	Proposed – Comparison portion for Toana Road Variations 1/1-A	Jarbidge	8	t[2/]	1	t[2/]		6	2	**17**
	Toana Road Variation 1	Jarbidge	11					2	3	**16**
	Toana Road Variation 1-A	Jarbidge	8					2	1	**11**
	Proposed – Existing 138-kV Removal[1/]	No BLM Land Crossed								

Segment Number	Revised Proposed Routes	Other Federal Lands	Shrubland	Forest/Woodland		Wetland/Riparian		Grassland	Other Cover Types	Total Impacts
				Operations Facilities	ROW Maintenance	Operations Facilities	ROW Maintenance			
8	Revised Proposed Route	Bureau of Reclamation	4					1	3	**9**
	Route 8H	Military Reservation/Corps of Engineers	1					<1		**2**
9	Revised Proposed Route	Military Reservations/Corps of Engineers	1					<1		**2**
	Segment 9 FEIS Proposed Route	Military Reservation/Corps of Engineers	1					<1		**2**

Notes: Acreages have been rounded to the nearest whole acre or, in the case of wetlands, the nearest tenth of an acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

[2/] "t" indicates only a trace amount (<0.1 acre) of occupancy

Table D.6-7. Wildland Fires Within the Analysis Area

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Name of Fire	Date of Fire	Total Acres of Fire	Acres of Analysis Area Disturbed by the Fire
8	Revised Proposed Route	129.7	May	8/1/2014	3074	54
			Benwalk	7/13/2012	29101	350
			Blair	8/17/2011	39587	311
			Bliss Point 2	9/30/2013	2	<1
			Bray Lake	7/8/2013	2401	5
			Ditto	7/7/2012	6181	5
			Highway 20	6/5/2012	6134	3
			Hwy 46 MM 103	9/2/2011	4977	1
			Kave	6/11/2012	649	13
			Pony Complex	8/14/2013	591	<1
			Power	8/16/2011	1092	18
			Shoestring	8/29/2008	1435	39
			South Trail	7/25/2010	3831	74
			Union	8/16/2011	10,533	127
			Walker	10/1/2011	238	15
			Westpark	7/15/2014	16	<1
	Route 8G	146.9	Bliss	8/16/2008	1,982	13
			Browns Gulch	7/17/2013	4,936	147
			Crowbar	8/7/2010	30,076	35
			Hot Springs 2	10/1/2011	10,397	183
			Hwy 46 MM 103	9/2/2011	4,977	<1
			Kinyon Road	7/11/2012	234,790	213
			Long Butte	8/25/2010	306,012	374
			Love	7/20/2011	44	1
			Lover	8/10/2011	101	<1
			MM43 Hwy 78	7/9/2012	783	5
			Sailor Creek	6/20/2010	10,064	20
			South Indian	7/15/2012	14,097	217
			Tuana	7/5/2012	194	6
			Windmill	8/5/2011	17,386	197
	Proposed – Existing 500-kV Removal[1/]	1.9	Long Butte	8/25/2010	306,012	58
			Tuana	7/5/2012	194	6
	Route 8H	137.5	Bliss	8/16/2008	1,982	13
			Browns Gulch	7/17/2013	4,936	151
			Chattin Flat	5/15/2012	182	13
			Con Shea	6/18/2012	8,905	61
			Griffy	6/25/2015	242	6
			Hot Springs 2	10/1/2011	10,397	166
			Hwy 46 MM 103	9/2/2011	4,977	<1
			Jack Creek	8/11/2010	23	2
			Kinyon Road	7/11/2012	234,790	315
			Long Butte	8/25/2010	306,012	387
			South Indian	7/15/2012	14,097	322
			Strike	7/23/2012	222	21
			Tuana	7/5/2012	194	5
			Windmill	8/5/2011	17,386	201
	Route 8H – Existing 138-kV Removal	25.7				
	Route 8H – Existing 500-kV Removal	1.9	Long Butte	8/25/2010	306,012	10
			Tuana	7/5/2012	194	1

Table D.6-7. Wildland Fires Within the Analysis Area cont.

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Name of Fire	Date of Fire	Total Acres of Fire	Acres of Analysis Area Disturbed by the Fire
9	Revised Proposed Route	165.3	Balanced Road	6/3/2012	6423	25
			Balanced Rock	8/21/2013	304	21
			Berger	8/9/2012	77	<1
			Blue Gulch	6/20/2013	<1	<1
			Browns Gulch	7/17/2013	4,936	136
			Chattin Flat	5/15/2012	182	12
			Con Shea	6/18/2012	8,905	58
			Cottonwood Creek	6/21/2012	18	<1
			East Hollister	8/6/2012	568	22
			Flint	7/31/2010	729	10
			Griffy	6/25/2015	242	9
			Hot Springs 2	10/1/2011	10,397	147
			Jack Creek	8/11/2010	23	2
			Kinyon Road	7/11/2012	234,790	443
			Long Butte	8/25/2010	306,012	726
			South Indian	7/15/2012	14,097	272
			Strike	7/23/2012	222	21
			West Hollister	7/1/2013	3,025	44
	Segment 9 FEIS Proposed Route	162.2	Balanced Road	6/3/2012	6,423	25
			Balanced Rock	8/21/2013	304	21
			Berger	8/9/2012	77	<1
			Blue Gulch	6/20/2013	<1	<1
			Browns Gulch	7/17/2013	4,936	143
			Cottonwood Creek	6/21/2012	18	<1
			East Hollister	8/6/2012	568	22
			Flint	7/31/2010	729	15
			Griffy	6/25/2015	242	9
			Hot Springs 2	10/1/2011	10,397	167
			Kinyon Road	7/11/2012	234,790	367
			Long Butte	8/25/2010	306,012	772
			Love	7/20/2011	44	4
			MM43 Hwy 78	7/9/2012	783	1
			South Indian	7/15/2012	14,097	171
			West Hollister	7/1/2013	3,025	55
	Route 9K	174.6	Balanced Road	6/3/2012	6,423	25
			Balanced Rock	8/21/2013	304	21
			Berger	8/9/2012	77	1
			Blue Gulch	6/20/2013	<1	<1
			Browns Gulch	7/17/2013	4,936	136
			Cottonwood Creek	6/21/2012	18	<1
			Crowbar	8/7/2010	30,076	32
			East Hollister	8/6/2012	568	22
			Flint	7/31/2010	729	10
			Hot Springs 2	10/1/2011	10,397	178
			Kinyon Road	7/11/2012	234,790	348
			Long Butte	8/25/2010	306,012	726
			Lover	8/10/2011	101	<1
			MM43 Hwy 78	7/9/2012	783	<1
			Sailor Creek	6/20/2010	10,064	24
			South Indian	7/15/2012	14,097	175
			West Hollister	7/1/2013	3,025	44

Table D.6-7. Wildland Fires Within the Analysis Area cont.

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Name of Fire	Date of Fire	Total Acres of Fire	Acres of Analysis Area Disturbed by the Fire
9 (cont.)	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7	Balanced Road	6/3/2012	6,423	25
			Balanced Rock	8/21/2013	304	20
			Kinyon Road	7/11/2012	234,790	93
	Toana Road Variation 1	8.5	Balanced Road	6/3/2012	6,423	60
			Balanced Rock	8/21/2013	304	20
			Kinyon Road	7/11/2012	234,790	276
			Long Butte	8/25/2010	306,012	<1
			Simplot	7/27/2013	292	2
	Toana Road Variation 1-A	8.9	Balanced Road	6/3/2012	6,423	30
			Balanced Rock	8/21/2013	304	20
			Kinyon Road	7/11/2012	234,790	285
			Long Butte	8/25/2010	306,012	<1

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero miles or null value
[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented
[2/] "t" indicates only a trace amount (<0.1 mile) crossed

Table D.8-1. Idaho Designated Noxious Weed Species Potentially Present in the Analysis Area for the Revised Proposed Routes

Common Name	Scentific Name	State of Idaho Noxious Weed Category[2/]	Segments where Potentially Present[3/]
Black henbane	*Hyoscyamus niger* [1/]	Control	8, 9
Bohemian knotweed	*Polygonum bohemicum*	Control	8, 9
Buffalobur	*Solanum rostratum*	Control	8,9
Canada thistle	*Cirsium arvense* [1/]	Containment	8, 9
Common reed	*Phragmites australis*	Control	8, 9
Curlyleaf pondweed	*Potamogeton crispus*	Containment	8, 9
Dalmatian toadflax	*Linaria dalmatica* [1/]	Containment	8, 9
Diffuse knapweed	*Centaurea diffusa* [1/]	Containment	8, 9
Dyer's woad	*Isatis tinctoria* [1/]	Control	8, 9
Eurasian watermilfoil	*Myriophyllum spicatum* [1/]	Control	8, 9
Field bindweed	*Convolvulus arvensis* [1/]	Containment	8, 9
Giant Knotweed	*Polygonum sachalinense*	Control	8, 9
Hoary alyssum	*Berteroa incana*	Containment	8, 9
Houndstongue	*Cynoglossum officinale* [1/]	Containment	8, 9
Hydrilla	*Hydrilla verticillata* [1/]	EDRR	8, 9
Japanese Knotweed	*Polygonum cuspidatum*	Control	8, 9
Johnsongrass	*Sorghum halepense* [1/]	Control	8, 9
Jointed goatgrass	*Aegilops cylindrica* [1/]	Containment	8, 9
Leafy spurge	*Euphorbia esula* [1/]	Containment	8, 9
Mediterranean sage	*Salvia aethiopis* [1/]	Control	8
Milium	*Milium vernale*	Containment	8
Musk thistle	*Carduus nutans* [1/]	Control	8, 9
Orange hawkweed	*Hieracium aurantiacum* [1/]	Control	8, 9
Oxeye daisy	*Leucanthemum vulgare* [1/]	Containment	8, 9
Parrotfeather Milfoil	*Myriophyllum aquaticum*	Control	8, 9
Perennial pepperweed	*Lepidium latifolium* [1/]	Containment	8, 9
Perennial sowthistle	*Sonchus arvensis* [1/]	Control	8, 9
Poison hemlock	*Conium maculatum* [1/]	Containment	8, 9
Puncture vine	*Tribulus terrestris*	Containment	8, 9
Purple loosestrife	*Lythrum salicaria* [1/]	Containment	8, 9
Purple starthistle	*Centaurea calcitrapa*	EDRR	8, 9
Rush skeletonweed	*Chondrilla juncea* [1/]	Containment	8, 9
Russian knapweed	*Acroptilon repens* [1/]	Control	8, 9
Salt cedar, tamarisk	*Tamarix* spp.[1/]	Containment	8, 9
Scotch broom	*Cytisus scoparius* [1/]	Control	8, 9
Scotch thistle	*Onopordum acanthium* [1/]	Containment	8, 9
Spotted knapweed	*Centaurea stoebe (C. maculosa)* [1/]	Containment	8, 9
Spring millet grass	*Milium vernale*	Containment	8
Syrian beancaper	*Zygophyllum fabago* [1/]	EDRR	8
Vipers blugloss	*Echium vulgare* [1/]	Control	8, 9
White bryony	*Bryonia alba*	Containment	8, 9
Whitetop, hoary cress	*Cardaria draba* [1/]	Containment	8, 9
Yellowflag iris	*Iris pseudacorus*	Containment	8, 9
Yellow hawkweed	*Hieracium caespitosum* [1/]	Control	8
Yellow starthistle	*Centaurea solstitialis* [1/]	Containment	8, 9
Yellow toadflax	*Linaria vulgaris* [1/]	Containment	8, 9

[1/] Species on the BLM national invasive species list (BLM 2008e)

[2/] Idaho noxious weed categories are explained in Section 3.8.1.5 of the FEIS

[3/] Distribution based on Invaders database (University of Montana-Missoula 2015), PLANTS database (NRCS 2015c), and ISDA (2015)

Table D.9-1. Acreage of Construction Impacts to Wetlands and Riparian Areas

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in miles	Herbaceous Wetlands	Shrub Wetlands	Forested Wetlands			Mixed Wetlands	Total Wetlands			Herbaceous Riparian	Shrub Riparian	Forested Riparian			Mixed Riparian	Total Riparian			Total Wetlands and Riparian		
			Construction Facilities	Construction Facilities	Construction Facilities	ROW Clearing[1/]	Total Construction Impacts	Construction Facilities	Construction Facilities	ROW Clearing[1/]	Total Construction Impacts	Construction Facilities	Construction Facilities	Construction Facilities	ROW Clearing[1/]	Total Construction Impacts	Construction Facilities	Construction Facilities	ROW Clearing[1/]	Total Construction Impacts	Construction Facilities	ROW Clearing[1/]	Total Construction Impacts
8	Revised Proposed Route	129.7	3.1	0.1					3.2		**3.2**	0.1	0.9		1.6	**1.6**	1.8	2.8	1.6	**4.4**	6.0	1.6	**7.6**
	Proposed – Existing 500-kV Removal[2/]	1.1																					
	Route 8G	146.9	0.3 [0.3]	0.3					0.6 [0.3]		**0.6 [0.3]**		0.3		1.0	**1.0**	0.7	0.9	1.0	**1.9**	1.5 [0.3]	1.0	**2.5 [0.3]**
	Route 8G – Existing 500-kV Removal	1.9																					
	Route 8H	137.5	0.3 [0.3]	0.3				0.2 [0.2]	0.8 [0.5]		**0.8 [0.5]**		1.6 [0.2]	t[3/]		**t[3/]**	0.3	1.9 [0.2]		**1.9 [0.2]**	2.7 [0.7]		**2.7 [0.7]**
	Route 8H – Existing 138-kV Removal	25.7																					
	Route 8H – Existing 500-kV Removal	1.9																					
9	Revised Proposed Route	165.3	0.7 [0.3]					0.2 [0.2]	0.9 [0.6]		**0.9 [0.6]**	0.6	1.5 [0.3]				0.2	2.3 [0.2]		**2.3 [0.2]**	3.2 [0.8]		**3.2 [0.8]**
	Proposed – Existing 138-kV Removal[2/]	25.7																					
	Segment 9 FEIS Proposed Route	162.2	1.1 [0.2]	0.4 [0.4]				0.2	1.7 [0.7]		**1.7 [0.7]**	0.4	2.9 [t[3/]]	0.1	t[3/]	**0.1**	0.9	4.3 [0.1]	t[3/]	**4.3 [0.1]**	6.0 [0.6]	t[3/]	**6.0 [0.6]**
	Route 9K	174.6	0.7 [0.3]						0.7 [0.3]		**0.7 [0.3]**	0.6	0.3		1.4	**1.4**	0.5	1.4	1.4	**2.8**	2.1 [0.3]	1.4	**3.5 [0.3]**
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7																					
	Toana Road Variation 1	8.5																					
	Toana Road Variation 1-A	8.9																					

Notes: Due to permit criteria, acreages reported here are rounded to tenths of an acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

This table is based on Project-specific vegetation/wetland data, and the values reported herein may differ from the values reported specifically for National Forests within this EIS, since National Forest System data are used when addressing Forest-specific impacts.

The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] ROW Clearing limited to tall vegetation that may impact transmission line safety

[2/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

[3/] "t" indicates only a trace amount (<0.1 acre) of impact

Table D.9-2. Acreage of Operations Impacts to Wetlands and Riparian Areas

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in miles	Herbaceous Wetlands	Shrub Wetlands	Forested Wetlands			Mixed Wetlands	Total Wetlands			Herbaceous Riparian	Shrub Riparian	Forested Riparian			Mixed Riparian	Total Riparian			Total Wetlands and Riparian		
			Operations Facilities	Operations Facilities	Operations Facilities	ROW Maintenance[1/]	Total Operation Impacts	Operations Facilities	Operations Facilities	ROW Maintenance[1/]	Total Operation Impacts	Operations Facilities	Operations Facilities	Operations Facilities	ROW Maintenance[1/]	Total Operation Impacts (acres)	Operations Facilities	Operations Facilities	ROW Maintenance[1/]	Total Operation Impacts	Operations Facilities	ROW Maintenance[1/]	Total Operation Impacts
8	Revised Proposed Route	129.7	0.4						0.4		**0.4**		0.1		1.6	**1.6**	0.1	0.2	1.6	**1.8**	0.6	1.6	**2.2**
	Proposed – Existing 500-kV Removal[2/]	1.1																					
	Route 8G	146.9	0.1 [0.1]	t[3/]					0.1 [0.1]		**0.1 [0.1]**		t[3/]		1.0	**1.0**	t[3/]	0.1	1.0	**1.1**	0.2 [0.1]	1.0	**1.2 [0.1]**
	Route 8G – Existing 500-kV Removal	1.9																					
	Route 8H	137.5	0.1 [0.1]	t[3/]				t[3/] [t[3/]]	0.1 [0.1]		**0.1 [0.1]**		t[3/] [t[3/]]	t[3/]		**t[3/]**		t[3/] [t[3/]]		**0.1 [0.1]**	0.2 [0.1]		**0.2 [0.1]**
9	Revised Proposed Route	165.3	0.1 [0.1]					t[3/] [t[3/]]	0.1 [0.1]		**0.1 [0.1]**	t[3/]	0.1 [0.1]					0.1 [0.1]		**0.1 [0.1]**	0.2 [0.2]		**0.2 [0.2]**
	Proposed – Existing 138-kV Removal[2/]	25.7																					
	Segment 9 FEIS Proposed Route	162.2	t[3/] [t[3/]]	0.1 [0.1]				t[3/]	0.3 [0.2]		**0.3 [0.2]**		0.5 [t[3/]]		t[3/]	**t[3/]**	0.1	0.7 [t[3/]]	t[3/]	**0.7 [t[3/]]**	0.9 [0.2]	t[3/]	**0.9 [0.2]**
	Route 9K	174.6	0.1 [0.1]						0.1 [0.1]		**0.1 [0.1]**	t[3/]	t[3/]		1.4	**1.4**	0.1	0.1	1.4	**1.5**	0.2 [0.1]	1.4	**1.6 [0.1]**
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7																					
	Toana Road Variation 1	8.5																					
	Toana Road Variation 1-A	8.9																					

Notes: Due to permit criteria, acreages reported here are rounded to tenths of an acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

This table is based on Project-specific vegetation/wetland data, and the values reported herein may differ from the values reported specifically for National Forests within this EIS, since National Forest System data are used when addressing Forest-specific impacts.

The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] ROW maintenance limited to tall vegetation that may impact transmission line safety

[2/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

[3/] "t" indicates only a trace amount (<0.1 acre) of impact

Table D.10-1. Miles of Big Game Crossed by the Revised Proposed Routes, Other Routes, and Route Variations

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Bighorn Sheep Habitat	Elk Calving Areas	Elk Winter Range	Moose Winter Range	Mule Deer Winter Range	Pronghorn Winter Range
8	Revised Proposed Route	129.7			17.5		45.1	7.4
	Proposed – Existing 500-kV Removal[1/]	1.1						
	Route 8G	146.9					15.4	24.0
	Route 8G – Existing 500-kV Removal	1.9						
	Route 8H	137.5	0.8 [0.6]				15.4	6.8 [0.3]
	Route 8H – Existing 138-kV Removal	25.7						
	Route 8H – Existing 500-kV Removal	1.9						
9	Revised Proposed Route	165.3	0.8 [0.6]				10.0	6.9 [0.3]
	Proposed - Existing 138-kV Removal[1/]	25.7						
	Segment 9 FEIS Proposed Route	162.2					10.0	20.0 [3.1]
	Route 9K	174.6					10.0	24.1
	Proposed - Comparison portion for Toana Road Variations 1/1-A	8.7						
	Toana Road Variation 1	8.5						
	Toana Road Variation 1-A	8.9						

Notes: Mileages have been rounded to the nearest tenth of a mile; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero miles or null value
The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] Portions of the disturbance area may overlap; therefore, actual effects may be less than presented

Table D.10-2. Known Raptor and Bird of Prey Nest Locations within 1 mile of Project Centerline

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Raptor and Birds of Prey Nests															
			American Kestrel	Bald Eagle	Burrowing Owl	Common Raven	Ferruginous Hawk	Golden Eagle	Great Horned Owl	Long-eared Owl	Northern Goshawk	Northern Harrier	Osprey	Prairie Falcon	Red-tailed Hawk	Short-eared Owl	Swainsons Hawk	Total
8	Revised Proposed Route	129.7		1	47(33) [27]		284(174) [75]	50(39) [22]						105(89) [20]		1(1)	1	**489(336) [144]**
	Proposed - Existing 500-kV Removal[1/]	1.1			8(8) [8]		58(16) [16]											**66(24) [24]**
	Route 8G	146.9		1(1)	10(8)		29(28) [12]	164(129)				4(4)		19(19)	1			**228(189) [12]**
	Route 8G – Existing 500-kV Removal	1.9																
	Route 8H	137.5		1(1)	129 (125) [117]	4 (3) [3]	77 (65) [65]	147 (112)				2 (2)		548 (482) [399]				**908 (790) [584]**
	Route 8H – Existing 138-kV Removal	25.7			100 (98) [98]	2 (2) [2]	64 (54) [54]							131 (131) [131]				**297 (285) [285]**
	Route 8H – Existing 500-kV Removal	1.9																
9	Revised Proposed Route	165.3		1(1)	131(125) [117]	4(3) [3]	117(105) [65]	148(145)				2(2)		548(482) [399]			12(12)	**963(875) [584]**
	Proposed – Existing 138-kV Removal[1/]	25.7			100(98) [98]	2(2) [2]	64(54) [54]							131(131) [131]				**297(285) [285]**
	Segment 9 FEIS Proposed Route	162.2		1(1)	19 (10) [1]	4 (4)	95 (94) [12]	151 (147)				2 (2)		21 (20) [1]	1		12 (12)	**306 (290) [14]**
	Route 9K	174.6		1(1)	12(8)		69(68) [12]	166(162)				4(4)		19(19)	1		12(12)	**284(274) [12]**
	Proposed - Comparison portion for Toana Road Variations 1/1-A	8.7			2		19(19)	3(2)									10(10)	**34(31)**
	Toana Road Variation 1	8.5					8(8)										2(2)	**10(10)**
	Toana Road Variation 1-A	8.9					8(8)										2(2)	**10(10)**

Notes: The numbers in parentheses "( )" indicate the number of species located on federally managed lands

The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.10-3a. Pre- and Post-Construction Levels of Fragmentation Resulting from Roads

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Pre-Construction Conditions									
			Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
			Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count
8	Revised Proposed Route	129.7			58	5,123	37	6,548	12	203	158	884
	Proposed – Existing 500-kV Removal[1/]	1.1			24	513	48	448			61	57
	Route 8G	146.9	13	1	73	4,292	58	4,894	25	212	211	742
	Route 8G – Existing 500-kV Removal	1.9			48	200	47	184	10	14	449	50
	Route 8H	137.5	13	1	40	5,883	42	6,297	22	385	144	1,267
	Route 8H – Existing 138-kV Removal	25.7			30	2,381	34	2,519	14	146	70	419
	Route 8H – Existing 500-kV Removal	1.9			48	200	47	184	10	14	449	50
9	Revised Proposed Route	165.3	16	96	51	6,815	37	7,877	22	383	115	1,644
	Proposed – Existing 138-kV Removal[1/]	25.7			30	2,381	34	2,519	14	146	69	423
	Segment 9 FEIS Proposed Route	162.2	16	96	62	5,481	46	6,234	26	324	146	1,391
	Route 9K	174.6	16	96	82	5,218	48	6,478	25	209	147	1,103
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7			191	242	20	406	8	3	184	117
	Toana Road Variation 1	8.5			177	283	23	473	9	2	140	103
	Toana Road Variation 1-A	8.9			185	266	23	457	9	2	158	106

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Post-Construction Conditions									
			Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
			Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count
8	Revised Proposed Route	129.7			57	5,236	36	6,703	11	204	152	922
	Proposed - Existing 500-kV Removal[1/]	1.1			24	513	48	449			61	57
	Route 8G	146.9	13	1	69	4,523	55	5,164	25	213	205	765
	Route 8G – Existing 500-kV Removal	1.9			48	201	47	185	10	14	449	50
	Route 8H	137.5	13	1	39	6,072	41	6,496	22	388	142	1,286
	Route 8H – Existing 138-kV Removal	25.7			30	2,418	33	2,559	14	147	70	421
	Route 8H – Existing 500-kV Removal	1.9			48	201	47	185	10	14	449	50
9	Revised Proposed Route	165.3	16	96	49	7,031	36	8,083	22	385	114	1,651
	Proposed - Existing 138-kV Removal[1/]	25.7			30	2,407	34	2,541	14	147	69	423
	Segment 9 FEIS Proposed Route	162.2	16	96	60	5,733	44	6,486	26	327	144	1,408
	Route 9K	174.6	16	96	78	5,490	46	6,765	25	210	146	1,110
	Proposed - Comparison portion for Toana Road Variations 1/1-A	8.7			176	263	20	420	8	3	184	117
	Toana Road Variation 1	8.5			165	304	23	487	9	2	140	103
	Toana Road Variation 1-A	8.9			171	287	23	471	9	2	158	106

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.10-3b. Change in Fragmentation Levels as a Result of Roads Between Pre- and Post-Construction

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
			Reduction in Average Patch Size (Acre)	Change in Patch Count	Reduction in Average Patch Size (Acre)	Change in Patch Count	Reduction in Average Patch Size (Acre)	Change in Patch Count	Reduction in Average Patch Size (Acre)	Change in Patch Count	Reduction in Average Patch Size (Acre)	Change in Patch Count
8	Revised Proposed Route	129.7			1	113	1	155	0.1	1	7	38
	Proposed - Existing 500-kV Removal[1/]	1.1					<1	1				
	Route 8G	146.9			4	231	3	270	0.1	1	6	23
	Route 8G – Existing 500-kV Removal	1.9			<1	1	<1	1				
	Route 8H	137.5			1	-189	1	-199	0.2	-3	2	-19
	Route 8H – Existing 138-kV Removal	25.7			<1	-37	1	-40	0.1	-1	<1	-2
	Route 8H – Existing 500-kV Removal	1.9			<1	-1	<1	-1	0.0		t[2/]	
9	Revised Proposed Route	165.3			2	216	1	206	0.1	2	<1	7
	Proposed - Existing 138-kV Removal[1/]	25.7			<1	26	<1	22	0.1	1		
	Segment 9 FEIS Proposed Route	162.2			3	-252	2	-252	0.2	-3	2	-17
	Route 9K	174.6			4	272	2	287	0.1	1	1	7
	Proposed - Comparison portion for Toana Road Variations 1/1-A	8.7			15	21	1	14				
	Toana Road Variation 1	8.5			12	21	1	14				
	Toana Road Variation 1-A	8.9			14	21	1	14				

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

[2/] "t" indicates only a trace amount (<0.1 acre) of occupancy

Table D.10-3c. Pre- and Post-Construction Levels of Fragmentation Resulting from Roads Associated with the Seven Action Alternatives

	Pre-Construction Conditions									
	Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
Alternative	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count
Alternative 1	16	96	54	11,440	38	13,570	20	516	132	2,419
Alternative 2	16	96	60	10,160	43	12,020	22	462	153	2,182
Alternative 3	16	96	70	9,926	44	12,310	20	352	154	1,897
Alternative 4	16	96	76	6,183	52	7,371	23	234	191	1,352
Alternative 5	16	96	70	7,080	52	8,138	25	363	186	1,646
Alternative 6	16	96	53	8,687	46	9,541	22	456	168	1,899
Alternative 7	16	96	61	9,135	46	10,480	22	447	158	1,904
	Post-Construction Conditions									
	Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
Alternative	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count
Alternative 1	16	96	52	11,826	37	13,991	20	520	129	2,474
Alternative 2	16	96	58	10,607	41	12,511	22	466	149	2,237
Alternative 3	16	96	67	10,367	42	12,796	20	354	151	1,944
Alternative 4	16	96	72	6,552	49	7,757	23	235	187	1,378
Alternative 5	16	96	66	7,503	49	8,592	25	366	182	1,680
Alternative 6	16	96	51	9,079	44	9,950	22	459	165	1,933
Alternative 7	16	96	59	9,562	44	10,934	22	450	155	1,938

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Table D.10-3d. Change in Fragmentation Levels as a Result of Roads Between Pre- and Post-Construction Associated with the Seven Action Alternatives

	Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
Alternative	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**
Alternative 1			2	-386	1	-421	<1	-4	3	-55
Alternative 2			3	-447	2	-491	<1	-4	4	-55
Alternative 3			3	-441	2	-486	<1	-2	4	-47
Alternative 4			4	-369	3	-386	<1	-1	4	-26
Alternative 5			4	-423	3	-454	<1	-3	4	-34
Alternative 6			2	-392	2	-409	<1	-3	3	-34
Alternative 7			3	-427	2	-454	<1	-3	3	-34

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

Table D.10-4a. Pre- and Post-Construction Levels of Fragmentation Resulting from Transmission Lines

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Pre-Construction Conditions									
			Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
			Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count
8	Revised Proposed Route	129.7			98	3,042	57	4,249	14	172	655	214
	Proposed - Existing 500-kV Removal[1/]	1.1			59	214	216	100			696	5
	Route 8G	146.9	13	1	93	3,371	75	3,749	29	179	895	175
	Route 8G – Existing 500-kV Removal	1.9			44	220	41	210	9	15	478	47
	Route 8H	137.5	13	1	69	3,413	77	3,429	32	268	836	219
	Route 8H – Existing 138-kV Removal	25.7			64	1,128	76	1,118	21	98	564	52
	Route 8H – Existing 500-kV Removal	1.9			44	220	41	210	9	15	478	47
9	Revised Proposed Route	165.3	17	90	108	3,196	74	3,965	33	260	1,236	153
	Proposed - Existing 138-kV Removal[1/]	25.7			64	1,128	76	1,118	21	98	564	52
	Segment 9 FEIS Proposed Route	162.2	17	90	111	3,077	79	3,601	38	225	1,443	141
	Route 9K	174.6	17	90	136	3,142	72	4,292	31	169	1,501	108
	Proposed - Comparison portion for Toana Road Variations 1/1-A	8.7			1,078	43	31	262	8	3	3,080	7
	Toana Road Variation 1	8.5			894	56	37	299	9	2	2,066	7
	Toana Road Variation 1-A	8.9			965	51	37	291	9	2	2,395	7

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Post-Construction Conditions									
			Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
			Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count
8	Revised Proposed Route	129.7			91	3,273	53	4,510	13	178	558	251
	Proposed - Existing 500-kV Removal[1/]	1.1			55	227	186	116			696	5
	Route 8G	146.9	13	1	81	3,859	67	4,243	27	192	735	213
	Route 8G – Existing 500-kV Removal	1.9			40	238	38	226	9	16	408	55
	Route 8H	137.5	13	1	62	3,776	70	3,783	30	283	724	253
	Route 8H – Existing 138-kV Removal	25.7			57	1,255	68	1,248	21	102	466	63
	Route 8H – Existing 500-kV Removal	1.9			40	238	38	224	9	16	416	54
9	Revised Proposed Route	165.3	17	91	96	3,592	68	4,335	31	269	1,056	179
	Proposed – Existing 138-kV Removal[1/]	25.7			58	1,240	70	1,226	21	101	489	60
	Segment 9 FEIS Proposed Route	162.2	17	91	100	3,413	72	3,938	35	240	1,176	173
	Route 9K	174.6	17	91	117	3,641	65	4,786	29	181	1,228	132
	Proposed - Comparison portion for Toana Road Variations 1/1-A	8.7			813	57	29	282	8	3	2,695	8
	Toana Road Variation 1	8.5			716	70	35	319	9	2	1,808	8
	Toana Road Variation 1-A	8.9			757	65	34	311	9	2	2,096	8

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.10-4b. Change in Fragmentation Levels as a Result of Transmission Lines Between Pre- and Post-Construction

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
			Reduction in Average Patch Size (Acre)	Change in Patch Count	Reduction in Average Patch Size (Acre)	Change in Patch Count	Reduction in Average Patch Size (Acre)	Change in Patch Count	Reduction in Average Patch Size (Acre)	Change in Patch Count	Reduction in Average Patch Size (Acre)	Change in Patch Count
8	Revised Proposed Route	129.7			7	231	3	261	0.5	6	97	37
	Proposed - Existing 500-kV Removal[1/]	1.1			3	13	30	16				
	Route 8G	146.9			12	488	9	494	2.0	13	160	38
	Route 8G – Existing 500-kV Removal	1.9			3	18	3	16	0.6	1	70	8
	Route 8H	137.5			7	-363	7	-354	1.7	-15	112	-34
	Route 8H – Existing 138-kV Removal	25.7			6	-127	8	-130	0.8	-4	99	-11
	Route 8H – Existing 500-kV Removal	1.9			3	-18	3	-14	0.6	-1	62	-7
9	Revised Proposed Route	165.3	<1	1	12	396	6	370	1.1	9	179	26
	Proposed - Existing 138-kV Removal[1/]	25.7			6	112	7	108	0.6	3	75	8
	Segment 9 FEIS Proposed Route	162.2	<1	-1	11	-336	7	-337	2.4	-15	267	-32
	Route 9K	174.6	<1	1	19	499	7	494	2.0	12	273	24
	Comparison portion for Toana Road Variations 1/1-A	8.7			265	14	2	20			385	1
	Toana Road Variation 1	8.5			179	14	2	20			258	1
	Toana Road Variation 1-A	8.9			208	14	2	20			299	1

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.10-4c. Pre- and Post-Construction Levels of Fragmentation Resulting from Transmission Lines Associated with the Seven Action Alternatives

	Pre-Construction Conditions									
	Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
Alternative	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count
Alternative 1	17	90	101	6,054	67	7,732	27	378	908	351
Alternative 2	17	90	103	5,962	69	7,427	29	347	982	340
Alternative 3	17	90	116	6,039	66	8,146	24	294	947	309
Alternative 4	17	90	116	4,071	75	5,086	28	195	1,194	216
Alternative 5	17	90	107	4,637	78	5,399	34	265	1,211	253
Alternative 6	17	90	93	4,986	80	5,485	31	326	1,165	274
Alternative 7	17	90	103	5,437	76	6,429	31	323	1,078	279
	Post-Construction Conditions									
	Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
Alternative	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count
Alternative 1	17	91	92	6,687	62	8,389	26	395	759	420
Alternative 2	17	91	92	6,645	63	8,141	28	369	805	415
Alternative 3	17	91	103	6,784	60	8,923	22	312	781	375
Alternative 4	17	91	100	4,690	67	5,714	26	212	955	270
Alternative 5	17	91	93	5,321	69	6,104	32	288	970	316
Alternative 6	17	91	82	5,639	72	6,143	29	347	936	341
Alternative 7	17	91	90	6,208	67	7,212	29	346	870	346

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Table D.10-4d. Change in Fragmentation Levels as a Result of Transmission Lines Between Pre- and Post-Construction Associated with the Seven Action Alternatives

	Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
Alternative	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**
Alternative 1	<1	-1	10	-633	5	-657	1.2	-17	149	-69
Alternative 2	<1	-1	11	-683	6	-714	1.8	-22	177	-75
Alternative 3	<1	-1	13	-745	6	-777	1.4	-18	167	-66
Alternative 4	<1	-1	15	-619	8	-628	2.2	-17	239	-54
Alternative 5	<1	-1	14	-684	9	-705	2.7	-23	242	-63
Alternative 6	<1	-1	11	-653	9	-658	1.9	-21	229	-67
Alternative 7	<1	-1	13	-771	8	-783	2.1	-23	209	-67

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Table D.10-5a. Pre- and Post-Construction Levels of Fragmentation Resulting from Roads and Transmission Lines

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Pre-Construction Conditions									
			Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
			Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count
8	Revised Proposed Route	129.7			49	6,089	32	7,541	11	213	130	1,075
	Proposed - Existing 500-kV Removal[1/]	1.1			24	524	46	470			61	57
	Route 8G	146.9	13	1	69	4,579	54	5,232	24	218	178	879
	Route 8G – Existing 500-kV Removal	1.9			37	256	37	232	9	16	271	83
	Route 8H	137.5	13	1	37	6,338	39	6,811	21	396	128	1,435
	Route 8H – Existing 138-kV Removal	25.7			28	2,552	32	2,694	14	151	65	450
	Route 8H – Existing 500-kV Removal	1.9			37	256	37	232	9	16	271	83
9	Revised Proposed Route	165.3	16	97	49	7,121	36	8,189	22	392	110	1,717
	Proposed - Existing 138-kV Removal[1/]	25.7			28	2,552	32	2,694	14	151	65	454
	Segment 9 FEIS Proposed Route	162.2	16	97	61	5,631	44	6,395	26	330	141	1,445
	Route 9K	174.6	16	97	80	5,350	47	6,608	24	213	142	1,145
	Proposed - Comparison portion for Toana Road Variations 1/1-A	8.7			191	242	20	406	8	3	184	117
	Toana Road Variation 1	8.5			177	283	23	473	9	2	140	103
	Toana Road Variation 1-A	8.9			185	266	23	457	9	2	158	106

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Post-Construction Conditions									
			Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
			Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count
8	Revised Proposed Route	129.7			46	6,481	30	7,944	11	221	120	1,163
	Proposed - Existing 500-kV Removal[1/]	1.1			23	536	43	502			61	57
	Route 8G	146.9	13	1	56	5,654	46	6,133	23	232	162	966
	Route 8G – Existing 500-kV Removal	1.9			34	282	34	250	8	17	231	97
	Route 8H	137.5	13	1	34	6,931	36	7,444	20	416	121	1,513
	Route 8H – Existing 138-kV Removal	25.7			26	2,715	30	2,886	13	156	63	467
	Route 8H – Existing 500-kV Removal	1.9			34	282	35	248	8	17	244	92
9	Revised Proposed Route	165.3	16	98	44	7,927	33	8,829	21	403	107	1,769
	Proposed - Existing 138-kV Removal[1/]	25.7			27	2,699	30	2,853	13	155	63	467
	Segment 9 FEIS Proposed Route	162.2	16	98	55	6,241	40	7,017	24	350	135	1,512
	Route 9K	174.6	16	98	65	6,507	41	7,512	23	226	136	1,192
	Proposed - Comparison portion for Toana Road Variations 1/1-A	8.7			143	324	19	438	8	3	181	119
	Toana Road Variation 1	8.5			137	365	22	505	9	2	138	105
	Toana Road Variation 1-A	8.9			141	348	22	489	9	2	155	108

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.10-5b. Change in Fragmentation Levels as a Result of Roads and Transmission Lines Between Pre- and Post-Construction

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
			Reduction in Average Patch Size (Acre)	Change in Patch Count	Reduction in Average Patch Size (Acre)	Change in Patch Count	Reduction in Average Patch Size (Acre)	Change in Patch Count	Reduction in Average Patch Size (Acre)	Change in Patch Count	Reduction in Average Patch Size (Acre)	Change in Patch Count
8	Revised Proposed Route	129.7			3	392	2	403	0.4	8	10	88
	Proposed - Existing 500-kV Removal[1/]	1.1			1	12	3	32				
	Route 8G	146.9			13	1,075	8	901	1.5	14	16	87
	Route 8G – Existing 500-kV Removal	1.9			3	26	3	18	0.5	1	39	14
	Route 8H	137.5			3	593	3	633	1.0	20	7	78
	Route 8H – Existing 138-kV Removal	25.7			2	163	2	192	0.4	5	2	17
	Route 8H – Existing 500-kV Removal	1.9			3	26	2	16	0.5	1	26	9
9	Revised Proposed Route	165.3	<1	1	5	806	3	640	0.6	11	3	52
	Proposed - Existing 138-kV Removal[1/]	25.7			2	147	2	159	0.4	4	2	13
	Segment 9 FEIS Proposed Route	162.2	<1	1	6	610	4	622	1.5	20	6	67
	Route 9K	174.6	<1	1	14	1,157	6	904	1.4	13	6	47
	Proposed - Comparison portion for Toana Road Variations 1/1-A	8.7			48	82	1	32			3	2
	Toana Road Variation 1	8.5			40	82	1	32			3	2
	Toana Road Variation 1-A	8.9			44	82	2	32			3	2

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Blank cells indicate zero acres or null value

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.10-5c. Pre- and Post-Construction Levels of Fragmentation Resulting from Roads and Transmission Lines Associated with the Seven Action Alternatives

	Pre-Construction Conditions									
	Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
Alternative	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count
Alternative 1	16	97	48	12,686	35	14,844	19	534	119	2,675
Alternative 2	16	97	54	11,250	39	13,143	21	477	138	2,419
Alternative 3	16	97	63	10,998	40	13,403	19	365	138	2,122
Alternative 4	16	97	72	6,546	49	7,773	23	241	170	1,518
Alternative 5	16	97	66	7,461	49	8,570	24	372	168	1,824
Alternative 6	16	97	50	9,223	43	10,124	22	468	152	2,096
Alternative 7	16	97	58	9,672	44	11,063	22	459	143	2,101
	Post-Construction Conditions									
	Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
Alternative	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count	Average Patch Size (Acre)	Patch Count
Alternative 1	16	98	44	13,876	33	15,965	18	557	113	2,831
Alternative 2	16	98	49	12,591	36	14,407	20	505	129	2,580
Alternative 3	16	98	56	12,562	37	14,787	18	388	129	2,261
Alternative 4	16	98	59	7,925	43	8,923	21	262	158	1,628
Alternative 5	16	98	55	8,932	43	9,863	23	400	157	1,956
Alternative 6	16	98	44	10,512	39	11,287	20	494	143	2,236
Alternative 7	16	98	50	11,254	39	12,460	21	487	134	2,240

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Table D.10-5d. Change in Fragmentation Levels as a Result of Roads and Transmission Lines Between Pre- and Post-Construction Associated with the Seven Action Alternatives

	Forest Woodlands		Shrublands		Grasslands		Riparian		Agriculture/Disturbed	
Alternative	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**	**Reduction in Average Patch Size (Acre)**	**Change in Patch Count**
Alternative 1	<1	-1	4	-1,190	2	-1,121	0.8	-23	7	-156
Alternative 2	<1	-1	6	-1,341	3	-1,264	1.2	-28	9	-161
Alternative 3	<1	-1	8	-1,564	3	-1,384	1.1	-23	8	-139
Alternative 4	<1	-1	13	-1,379	6	-1,150	1.8	-21	11	-110
Alternative 5	<1	-1	11	-1,471	6	-1,293	1.7	-28	11	-132
Alternative 6	<1	-1	6	-1,289	4	-1,163	1.1	-26	10	-140
Alternative 7	<1	-1	8	-1,582	5	-1,397	1.3	-28	9	-139

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Table D.10-6. Acres of Construction Impacts to Big Game Habitat Impacted by the Gateway West Transmission Line

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Acres of Wildlife Habitat Impacted					
			Bighorn Sheep Habitat	Elk Calving Areas	Elk Winter Range	Moose Winter Range	Mule Deer Winter Range	Pronghorn Winter Range
8	Revised Proposed Route	129.7			326		791	120
	Proposed – Existing 500-kV Removal[1/]	1.1						
	Route 8G	146.9	<1				241	492 [9]
	Route 8G – Existing 500-kV Removal	1.9						
	Route 8H	137.5	23 [23]				240	151 [20]
	Route 8H – Existing 138-kV Removal	25.7						
	Route 8H – Existing 500-kV Removal	1.9						
9	Revised Proposed Route	165.3	25 [23]				176	141 [20]
	Proposed - Existing 138-kV Removal[1/]	25.7						
	Segment 9 FEIS Proposed Route	162.2	<1				205	398 [64]
	Route 9K	174.6	2				176	479 [8]
	Proposed - Comparison portion for Toana Road Variations 1/1-A	8.7						
	Toana Road Variation 1	8.5						
	Toana Road Variation 1-A	8.9						

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Blank cells indicate zero acres or null value
The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP
[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.10-7. Acres of Construction Impacts that Would Occur within a 1-mile buffer around Raptors and Birds of Prey Nests

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Acres of Raptor and Birds of Prey Habitat Impacts														
			American Kestrel	Bald Eagle	Burrowing Owl	Common Raven	Ferruginous Hawk	Golden Eagle	Great Horned Owl	Long-eared Owl	Northern Goshawk	Northern Harrier	Osprey	Prairie Falcon	Red-tailed Hawk	Short-eared Owl	Swainsons Hawk
8	Revised Proposed Route	129.7		40	440 [219]		839 [219]	306 [24]						66 [12]		32	39
	Proposed – Existing 500-kV Removal[1/]	1.1			9 [3]		9 [3]										
	Route 8G	146.9		32	141 [8]	7	302 [114]	610				87		129			
	Route 8G – Existing 500-kV Removal	1.9															
	Route 8H	137.5		20	561 [372]	87 [87]	474 [396]	398 [3]				20		565 [314]			
	Route 8H – Existing 138-kV Removal	25.7			28 [24]	4 [4]	39 [32]							13 [11]			
	Route 8H – Existing 500-kV Removal	1.9															
9	Revised Proposed Route	165.3		24	620 [373]	87 [87]	756 [389]	357 [3]				24		574 [315]		1	78
	Proposed – Existing 138-kV Removal[1/]	25.7			28 [24]	4 [4]	39 [32]							13 [11]			
	Segment 9 FEIS Proposed Route	162.2		33	348 [62]	58	680 [149]	457 [13]				26		215 [6]	36		90
	Route 9K	174.6		33	185 [8]	7	582 [112]	575				87		130		1	78
	Proposed - Comparison portion for Toana Road Variations 1/1-A	8.7			36		66	14									54
	Toana Road Variation 1	8.5			21		22										10
	Toana Road Variation 1-A	8.9			23		22										10

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Blank cells indicate zero acres or null value
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[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.10-8. Acres of Operations Impacts to Big Game Habitat Impacted by the Gateway West Transmission Line

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Acres of Wildlife Habitat Impacted					
			Bighorn Sheep Habitat	Elk Calving Areas	Elk Winter Range	Moose Winter Range	Mule Deer Winter Range	Pronghorn Winter Range
8	Revised Proposed Route	129.7			35		94	14
	Route 8G	146.9	t[2/]				39	61 [3]
	Route 8H	137.5	2 [2]				39	20 [2]
9	Revised Proposed Route	165.3	2 [2]				16	20 [2]
	Segment 9 FEIS Proposed Route	162.2					17	43 [5]
	Route 9K	174.6	<1				17	61 [2]
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7						
	Toana Road Variation 1	8.5						
	Toana Road Variation 1-A	8.9						

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero acres or null value
The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

[2/] "t" indicates only a trace amount (<0.1 acre) of impact

Table D.10-9. Acres of Operations Impacts that Would Occur within a 1-mile Buffer around Raptors and Birds of Prey Nests

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Acres of Raptor and Birds of Prey Habitat Impacts														
			American Kestrel	Bald Eagle	Burrowing Owl	Common Raven	Ferruginous Hawk	Golden Eagle	Great Horned Owl	Long-eared Owl	Northern Goshawk	Northern Harrier	Osprey	Prairie Falcon	Red-tailed Hawk	Short-eared Owl	Swainsons Hawk
8	Revised Proposed Route	129.7		4	35 [19]		90 [20]	39 [3]						5 [1]		2	4
	Route 8G	146.9		4	20 [2]	2	46 [19]	82				9		19			
	Route 8H	137.5		3	48 [26]	5 [5]	42 [34]	60 [1]				4		59 [27]			
9	Revised Proposed Route	165.3		4	52 [26]	5 [5]	68 [33]	47 [1]				4		60 [27]		<1	8
	Segment 9 FEIS Proposed Route	162.2		4	34 [5]	7	73 [17]	54 [1]				5		27 [2]	3		8
	Route 9K	174.6		4	24 [2]	2	72 [19]	69				8		20		<1	8
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7			1		6	1									5
	Toana Road Variation 1	8.5			<1		3										2
	Toana Road Variation 1-A	8.9			1		3										2

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero acres or null value
The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP
[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented
[2/] "t" indicates only a trace amount (<0.1 acre) of impact.

Table D.11-1. ESA Threatened, Endangered, or Candidate Wildlife Species with the Potential to Occur within the Analysis Area for Segments 8 and 9

Common Name	Scientific Name	ESA Status	Federal Agency Status	Habitat Description	Does the Species Have Distribution or Potential Habitat within the Analysis Area?	Habitat Unit used for Analysis	Segments Species may be Present In
Birds							
Greater Sage-Grouse	*Centrocercus urophasianus*	Candidate	BLM sensitive	Habitat occurs within basin-prairie shrub and mountain-foothill shrub communities. Greater sage grouse are only found in areas where adequate sagebrush is available to meet habitat and biological needs. As a sagebrush obligate species, greater sage grouse rely upon the plant species to meet most of its habitat needs during all aspects of its annual life cycles. Adequate stands of sagebrush are essential as greater sage grouse rely on the leaves for food and plant structure for cover.	Yes – Habitat occurs throughout the Analysis Area. Leks have been documented within the Analysis Area.	Shrubland	8 and 9
Yellow-billed Cuckoo	*Coccyzus americanus*	Threatened	BLM sensitive	Yellow-billed Cuckoos are riparian obligate species that prefer extensive areas of dense thickets and mature deciduous forests near water, and requires low, dense, shrubby vegetation for nest sites. In Wyoming, the only areas that currently support the large cottonwood-riparian stands that are required by this species occur in isolated stands along the Bighorn, Powder, and North Platte rivers (WGFD n.d.). The Yellow-billed Cuckoo is considered an uncommon summer resident in Wyoming. In southwestern Idaho, the species is typically considered a 'rare summer visitor.' There have been confirmed sightings within Owyhee, Canyon, Elmore, Ada, Blaine, and Twin Falls counties within the last 25 years (Taylor 2000). The most suitable habitat in Idaho for the species occurs along the Snake River corridor (Taylor 2000).	Yes – The Project would cross through riparian habitats that could support this species.	Riparian cottonwood forest of greater than 5 ha (Reynolds and Hinckley 2005) with a percent overstory canopy of greater than 50 percent.	9
Amphibians							
Columbia Spotted Frog – Great Basin Population only	*Rana luteiventris*	Candidate	BLM sensitive	This species is aquatic and lives in or near permanent bodies of water such as: lakes, ponds, slow streams, and marshes. They prefer areas with thick algae and vegetation for cover, but may also hide under decaying vegetation. They most commonly occur in non-woody wetland plant communities.	Yes – Permanent water bodies occur in most segments within the Analysis Area.	Permanent wetland and open water areas below 9720 feet in elevation; delineated from vegetation mapping.	8 and 9
Invertebrates							
Bliss Rapids Snail	*Taylorconcha serpenticola*	Threatened	-	The Bliss Rapids snail resides on the sides and undersides of rocks in free-flowing and cold-water springs in the middle Snake River, Idaho. It prefers relatively clean and rocky substrates so that it can graze on algae and diatoms at night.	Yes – Project intersects middle Snake River	Snake River	8
Banbury Springs Limpet	*Lanx sp.*	Endangered	-	The Banbury limpet requires cold, clear and well-oxygenated water with swift currents. The Banbury limpet are found on smooth basalt, boulders, or cobble-sized grounds ranging from 2 to 20 inches deep, but they avoid areas with green algae. Currently, this species only exists at four cold-spring locations that are isolated from each other: Thousand Springs, Box Canyon Springs, Briggs Springs, and Banbury Springs.	Yes – Project intersects Snake River near Thousand Springs. Does not intersect Box Canyon Springs.	Snake River	8
Snake River Physa Snail	*Physa natricina*	Endangered	-	The Snake River physa snail is found in the middle Snake River of southern Idaho. It is believed to be confined to the Snake River, inhabiting areas of swift current on the undersides of large cobbles and boulder-sized rocks. Individuals have been found in relatively undisturbed areas with gravel, boulder, or cobble substrates and a low percentage of epiphytic algae or macrophytes.	Yes – Project intersects middle Snake River	Snake River	8
Bruneau Hot Springsnail	*Pyrgulopsis bruneauensis*	Endangered	-	The Bruneau hot springsnail occurs in thermal springs along an approximately 5 mile reach of the Bruneau River and in Hot Creek. The Bruneau hot springsnail inhabits small, geothermal spring runs and seeps, typically on basalt bedrock. Temperatures in these waters range from 15.7 to 36.9 degrees Celsius. Substrates usually comprise gravel and silt but individuals are also found on sand, mud, and algal film. Macrophytes are usually absent from occupied habitat.	Yes – Project intersects Bruneau River north of Hot Creek.	Bruneau River	9

Table D.11-2. BLM Sensitive, Forest Service Sensitive, or MIS with the Potential to Occur within the Analysis Area

Common Name	Scientific Name	Federal Agency Status	Habitat Description	Does the Species Have Distribution or Potential Habitat within the Analysis Area?	Habitat Unit used for Analysis	Segments Species may be Present In
Mammals						
Bighorn Sheep	*Ovis canadensis spp.*	BLM sensitive	Bighorn sheep inhabit grassy mountains, alpine meadows and foothill country near rocky cliffs that allow quick escape. Common summer habitat includes grazing lands at 6,000-8,500 feet in elevation and winter habitat occurs at 2,500-5,000 feet where snow is not very deep. California bighorns, a subspecies, are found in desert canyons of southwestern Idaho, while Rocky Mountain bighorns are found in the central Idaho mountains.	Potentially	Steep rocky areas	9
Big Brown Bat	*Eptesicus fuscus*	BLM sensitive	Species occupies a wide variety of habitats typically adjacent to perennial water, from desert scrub to coniferous forest, although it is most often observed in low deserts and basins and juniper woodlands. It roosts in cracks and crevices in high cliffs and canyons. It also may occasionally roost in buildings, caves, or abandoned mines, although cliffs are the only roosting habitat in which reproductive females have been documented.	Yes	Caves, Coniferous Forest, and Shrublands	8 and 9
California Myotis	*Myotis californicas*	BLM sensitive	Species occupies a wide variety of habitats including oak/juniper woodlands, canyons, riparian woodlands, desert scrub, and grasslands	Yes	Caves, Woodlands, and Sheublands	8 and 9
Dark Kangaroo Mouse	*Microdipodops megacephalus*	BLM sensitive	Habitat is found in loose sands and gravel in shadscale scrub, sagebrush scrub, and alkali sink plant communities. May occur in sand dunes near margins of range. The altitude of the habitat is around 1,190-2,455 m. Burrows are constructed in soft ground with the entrance near a shrub. Average home range for males is 6,613 square meters and 3,932 for females.	Yes – Species known to occur within portions of Owyhee County (ICDC and IDFG 2005).	Shrubland	8 and 9
Fringed Myotis	*Myotis thysanodes*	BLM sensitive	Conifer forests, woodland-chaparral, caves and mine; Habitat occurs within caves, mines, snags, rock outcrops, and human structures as roost sites, with foraging habitat often occurring within riparian areas. Open water habitats provide foraging habitat and these can include streams, reservoirs, stock tanks, and other water catchments. It also may occasionally roost in buildings, caves, or abandoned mines.	Unlikely but possible – Potential habitat for this species occurs within some segments of the Analysis Area. In addition a gross scale general distribution layer for this species overlaps with the Project area; however, suitable habitat and known distributions do not overlap. Therefore it is unlikely that this species occurs wihtin the analysis area.	Caves and coniferous Forest	8
Gray Wolf	*Canus lupus*	BLM sensitive	Wolves do not exhibit particular habitat preference except for the presence of native ungulates within its territory on a year round basis. While establishing new packs, wolves have demonstrated greater tolerance of human presence and disturbance than previously thought characteristic of this species.	Yes – The Analysis Area is in the Yellowstone and Central Idaho non-experimental population area. It is probable that transitory wolves may use portions of the Analysis Area while dispersing to new areas.	Known locations of wolf packs mapped by the IDCDC	8 and 9
Hoary Bat	*Lasiurus cinereus*	BLM sensitive	Species occupies a wide variety of habitats including forests, deserts, shrublands, and croplands. It also may occasionally roost in buildings, caves, or abandoned mines.	Yes	Caves, Forest, and Shrublands	8 and 9
Idaho Pocket Gopher	*Thomomy idahoensis*	BLM sensitive	Shallow stony soils in open sagebrush, sagebrush-grassland, and mountain meadow habitats; Idaho Pocket Gophers are active all year long. When they excavate burrows in the winter, they leave the dirt piled in snow tunnels.	Yes – Habitat for this species does occur within the Analysis Area.	Shrubland	8 and 9
Kit Fox	*Vulpes macrotis*	BLM sensitive	Habitat occurs within semi-desert shrubland and margins of pinyon-juniper woodland. Habitat typically has a saltbush, shadscale, sagebrush, and greasewood presence.	Yes – Habitat for this species occurs within the Analysis Area.	Shrubland	8 and 9
Little Brown Bat	*Myotis lucifugus*	BLM sensitive	Species occupies a wide variety of habitats desert scrub to coniferous forest. It roosts in cracks and crevices in high cliffs and canyons. It also may occasionally roost in buildings, caves, or abandoned mines.	Yes	Caves, Forest, and Shrublands	8 and 9
Long Legged Myotis	*Myotis evotis*	BLM sensitive	Species occupies a wide variety of habitats desert scrub to coniferous forest. It roosts in cracks and crevices in high cliffs and canyons. It also may occasionally roost in buildings, caves, or abandoned mines.	Yes	Caves, Forest, and Shrublands	8 and 9
Merriam's Ground Squirrel	*Spermophilus canus vigilis*	BLM sensitive	Shallow stony soils; Little is known about the subspecies. Their annual cycles and diet probably are similar to southern Idaho ground squirrels. Burrow diameter usually is <2 inches; entrances often under bushes or rocks.	Yes	West side of Snake River in west-central Idaho	8 and 9
Pallid Bat	*Antrozous pallidus*	BLM sensitive	Species is typically found in rocky aired areas near water. It also may occasionally roost in buildings, caves, or abandoned mines.	Yes	Caves or rocky habitats near riparian/wetlands	8 and 9
Pygmy Rabbit	*Brachylagus idahoensis*	BLM sensitive	Basin-prairie and riparian shrub: Species inhabits dense, tall stands of big sagebrush, usually along intermittent streams or riparian areas in sagebrush-grasslands. It is dependent on sagebrush, which comprises up to 99% of its winter diet. Also, since it excavates its own burrows, soft, deep soil is a key habitat feature.	Yes	Sagebrush shrubland	8 and 9
Piute Ground Squirrel	*Spermophilus mollis artemisae*	BLM sensitive	Species prefers areas with native shrubs, especially winterfat, and sagebrush.	Yes – Habitat for this species does occur within the Analysis Area.	Shrubland	8 and 9
Silver Haired Bat	*Lasionycteris noctivagans*	BLM sensitive	Species inhabits forested habitats near water. It also may occasionally roost in buildings, caves, or abandoned mines.	Yes	Caves and forested habitats near water	8 and 9

Table D.11-2. BLM Sensitive, Forest Service Sensitive, or MIS with the Potential to Occur within the Analysis Area

Common Name	Scientific Name	Federal Agency Status	Habitat Description	Does the Species Have Distribution or Potential Habitat within the Analysis Area?	Habitat Unit used for Analysis	Segments Species may be Present In
Mammals cont.						
Spotted Bat	*Euderma maculatum*	BLM sensitive	Species occupies a wide variety of habitats typically adjacent to perennial water, from desert scrub to coniferous forest, although it is most often observed in low deserts and basins and juniper woodlands. It roosts in cracks and crevices in high cliffs and canyons. It also may occasionally roost in buildings, caves, or abandoned mines, although cliffs are the only roosting habitat in which reproductive females have been documented.	Yes – Given the wide range of habitats utilized by this species and the overlap between known distribution in the Analysis Area, it is assumed that all segments may provide habitat. Analysis Area, although IDFG indicates it may not be present in southeastern Idaho (IDFG 2005)[1].	Caves, Coniferous Forest, and Shrublands	8 and 9
Swift Fox	*Vulpes velox*	BLM sensitive	Species prefers grasslands. Swift fox tend to be associated with short and mixed grass prairie. They form their dens in sandy soil on open prairies, in plowed fields, or along fences.	Yes – Habitat for this species does occur within the Analysis Area.	Grasslands	8 and 9
Townsend's Big-eared Bat	*Corynorhinus townsendii*	BLM sensitive	Species inhabits forests and basin-prairie shrub. Roosting habitat includes: caves, mines, snags, rock outcrops, and human structures. Similar habitat as the fringed myotis, but more closely associated with caves and mines for day roosts and hibernation sites. It is common in shrub-steppe, juniper woodlands and dry coniferous forests.	Yes – Potential habitat for species occurs within some segments of the Analysis Area including mines, snags, and caves.	Caves, Coniferous Forest, and Shrublands	8 and 9
Wyoming Ground Squirrel	*Spermophilus elegans nevadensis*	BLM sensitive	Primarily valley bottoms, foothills, grasslands and semidesert shrublands. Their geographic centers are in southwestern Montana, central and southwestern Wyoming, and southwestern Idaho, but populations occur in the states bordering these regions.	Yes – Habitat for this species does occur within the Analysis Area.	Grasslands and Shrublands	8 and 9
Yuma Myotis	*Myotis yumanensis*	BLM sensitive	Species occupies a wide variety of habitats typically adjacent to perennial water, from desert scrub to coniferous forest. It roosts in cracks and crevices in high cliffs and canyons. It also may occasionally roost in buildings, caves, or abandoned mines.	Yes	Caves, Coniferous Forest, and Shrublands	8 and 9
Birds						
American White Pelican	*Pelecanus erythrorhynchos*	BLM sensitive	Habitat occurs on a variety of aquatic and wetland habitats, including rivers, lakes, reservoirs (both large and small), estuaries, bays, marshes, and sometimes in inshore marine habitats. These habitats are used variously for nesting, loafing, and feeding. Nesting colonies usually are situated on islands or peninsulas in brackish or freshwater lakes, where they are isolated from mammalian predators.	Yes – Habitat for this species occurs within the Analysis Area.	Aquatic Habitats	8 and 9
Bald Eagle	*Haliaeetus leucocephalus*	BLM sensitive	Species typically occurs close to fish bearing open water, including major rivers, lakes, and reservoirs. Generally occupy riparian or lacustrine habitat as breeders but occasionally exploit upland areas for food. On rivers, they concentrate on runs and pools, riffles are important seasonally as prey fishes are spawning; lakes and reservoirs are used in shallow areas with gentle sloped shorelines and wetlands. Winter foraging habitat can include upland areas where they feed on carrion, and small mammals.	Yes – Both winter foraging and nesting habitat occurs within the Analysis Area. Bald eagles were observed within the transmission line corridor during raptor surveys conducted in April 2008. An active bald eagle nest was identified within the Kemmerer FO on April 6 in a heron rookery on the Hams Fork River. An active bald eagle nest was also identified within the Casper FO on the North Platte River on April 14th. A pair of bald eagles were observed incubating or perched nearby. In additon, mutilpe eagle nests are known in the general area from agency surveys as well as existing data.	Aquatic Habitats, with emphasis on fisheries	8 and 9
Baird's Sparrow	*Ammodramus bairdii*	BLM sensitive	Species utilizes grasslands and weedy fields. Species does not inhabit prairie lands where fire suppression and changes in natural grazing patterns have allowed woody vegetation to grow excessively. Baird's Sparrows prefer to nest in native prairie, but structure may ultimately be more important than plant species composition.	Yes – Potential habitat for this species occurs intermittently throughout the Analysis Area.	Grasslands	8 and 9
Black Tern	*Chlidonias niger*	BLM sensitive	Preferred summer habitats for this species occurs in inland marshes and sloughs, typically with fairly dense cattail or other marsh vegetation and pockets of open water. These wetlands are often shallow in nature. Winter habitat is on the coasts of South America.	Yes – Habitat for this species occurs intermittently throughout most segments.	Wetlands	8 and 9
Black-throated Sparrow	*Amphispiza bilineata*	BLM sensitive	Species prefers a sparse, isolated desert environment. Hot, dry weather in the desert uplands, creosote bush and scrub environments are the most frequent habitats. These sparrows prefer terrain that is either steeply sloped or very flat. Besides desert uplands, they also favor alluvial fans and hill slopes, usually with much exposed rock and gravel pavement. Within the Analysis Area, habitat most likely occurs within sagebrush communities.	Yes – This species is not common within the Analysis Area; However, potential habitat does occur within Idaho and southwestern Wyoming.	Shrubland	8 and 9
Brewer's Sparrow	*Spizella breweri*	BLM sensitive	Species is closely associated with sagebrush, preferring dense stands broken up with grassy areas. In the northern part of their range, they can be found in habitats such as sub-alpine fir or dwarf birch, or montane pinon-juniper woodlands.	Yes – Habitat for the species does occur within the Analysis Area.	Grasslands and Shrublands	8 and 9
Burrowing Owl	*Athene cunicularia*	BLM sensitive	Grasslands, basin-prairie shrub: owls use vacant rodent burrows, mainly associated with prairie dog habitat. In Wyoming, the highest concentrations of burrowing owls are in the south and east, although they occur and breed throughout the state (WGFD. ND).	Yes – Breeding records within the region of Analysis Area are associated with prairie dog colonies (WGFD. ND.).	Grasslands and Shrublands	8 and 9

Table D.11-2. BLM Sensitive, Forest Service Sensitive, or MIS with the Potential to Occur within the Analysis Area

Common Name	Scientific Name	Federal Agency Status	Habitat Description	Does the Species Have Distribution or Potential Habitat within the Analysis Area?	Habitat Unit used for Analysis	Segments Species may be Present In
Birds cont.						
Cassin's Finch	*Carpodacus cassinii*	BLM sensitive	Species typically inhabits coniferous forests; often associated with groves of quaking aspen.	Yes - Range overlaps the Analysis Area.	Coniferous Forest	8 and 9
Columbian Sharp-Tailed Grouse	*Tympanuchus Phasianellus columbianus*	BLM sensitive	Species inhabits mountain-foothills shrub communities of serviceberry, snowberry, chokecherry, and Gambel oak; sagebrush-grassland; and willow riparian habitats. In Wyoming, it prefers mountain-foothills shrub and sagebrush-snowberry habitats in the transitional zone between sagebrush-grass and forested habitats. Forest habitats (riparian draws) may provide winter forage. Leks are the center of breeding activity and are typically located in areas with little slope and low, sparse vegetation, such as knolls, ridgetops, or benches that allow good visibility.	Yes – Columbian sharp-tailed grouse leks and suitable habitat have been documented within the Analysis Area.	Shrubland	9
Ferruginous Hawk	*Buteo regalis*	BLM sensitive	Species uses mixed-grass prairie communities and is often associated with little bluestem, prairie June grass, green needle-grass, western wheatgrass, and Kentucky bluegrass. Trees are common nest sites, including eastern cottonwoods, peachleaf willow, juniper, box elder maple, green ash, Chinese elm, and American elm. Species also uses sagebrush and saltbrush, greasewood shrublands.	Yes – Nest sites have been documented within the Analysis Area. The ICDC documented multiple nest sites within segments 7, 8, and 9, and the WNDD documented nest sites within segments 1W, 1E, 2, 3, and 4.	Grasslands	8 and 9
Golden Eagle	*Aquila chrysaetos*	BLM sensitive	Species inhabits a broad range of habitats such as open mountains, foothills, plains, and other open country. Often found along cliffs or other habits that provide thermals and suitable nesting habitat.	Yes - Range overlaps the Analysis Area and some nests are known to occur withi 1 mile of the Project.	Open habitat types	8 and 9
Green-Tailed Towhee	*Pipilo chlorurus*	BLM sensitive	Species inhabits semi-open habitats that have a low cover of sagebrush.	Yes - Range overlaps the Analysis Area.	Shrubland	8 and 9
Loggerhead Shrike	*Lanius ludovicianus*	BLM sensitive	Species habitat occurs in basin-prairie shrub and mountain-foothill shrub. Species prefers open habitat including shrub-steppe, deserts and grasslands with access to elevated perches and impaling stations. Feeds mostly on large insects such as grasshoppers and beetles but some small birds and rodents are also taken.	Yes – Habitat occurs throughout the Analysis Area. Nesting has been documented in the ICDC within the proposed Segment 8.	Shrublands and Grasslands	8 and 9
Long-billed Curlew	*Numenius americanus*	BLM sensitive	Habitat occurs in grasslands, plains, foothills, and wet meadows. Species selects open habitats year-round. During the breeding season, they frequent prairies and grasslands, as well as plowed fields, meadows, and pastures.	Yes – Habitat for this species occurs throughout the Analysis Area. The ICDC records indicate that the species has been documented within the Analysis Area along the Segment 8 routes and nesting has been documented within the Analysis Area along the Segment 9 routes.	Grasslands	8 and 9
Mountain Quail	*Oreortyx pictus*	BLM sensitive	Habitat includes mixed evergreen forests and woodlands. Species are typically found in dense cover with scattered open areas on slopes in foothills and mountains. They use the dense thickets resulting from fires or clearcuts, and they are seldom found far from this cover. In summer, the quail require a source of water, which may limit their nesting range.	Yes	Coniferous Forest and Shrubland	8 and 9
Northern Goshawk	*Accipter gentilis*	BLM sensitive	Species occurs within mature conifer and deciduous forests. Species is a forest habitat generalist and requires abundant prey base, possibly related to understory shrub development in forested habitat. Generally considered to prefer mature coniferous forests, but will also inhabit deciduous and mixed forests from sea level to subalpine areas.	Yes – Suitable and potential habitat occurs within the Analysis Area.	Mature Coniferous and Deciduous Forests	9
Olive-sided Flycatcher	*Contopus borealis*	BLM sensitive	Olive-sided flycatchers are generally restricted to coniferous or mixed-coniferous forests. Throughout their breeding range, they primarily occur in montane, subalpine, and boreal forests. In addition, they often occur along wooded shores of lakes, rivers, and bogs where forest edges, variation in tree height, and standing dead trees are found. This species is most often associated with forest edges and openings caused by natural or anthropogenic disturbances, including small forest gaps resulting from tree death in old-growth forests, or along the edges of early successional forests. Olive-sided flycatchers usually do not occur in closed canopy forests and are uncommon in forests in the sapling-pole or mature forest stages that lack gaps or edges.	Yes	Forest	9
Peregrine Falcon	*Falco peregrinus*	BLM sensitive	Tall cliffs: Nests near rocky cliffs and often hunts near water.	Yes	Rocky habitats near riparian/wetlands areas used for hunting	8 and 9
Pinyon Jay	*Gymnorhinus cyanocephalus*	BLM sensitive	Species inhabits pinyon/juniper woodlands and ponderosa spine forests.	Yes - Species range overlaps the Analysis Area.	Forests	9
Prairie Falcon	*Falco mexicanus*	BLM sensitive	This species tends to occupy open treeless terrain including prairies, deserts, riverine escarpments, canyons, foothills, and mountains.	Yes – Found all year in Idaho and Wyoming.	Shrublands and Grasslands	8 and 9
Sage Sparrow	*Amphispiza belli*	BLM sensitive	Basin-prairie shrub, mountain-foothill shrub: Species breeds in open, shrublands, most commonly in sagebrush grassland areas. These sparrows favor dense stands of sagebrush with a modest amount of understory vegetation. Winter habitat for sage sparrows is found in open flats, deserts and dry chaparral of the Southwest.	Yes	Sagebrush	8 and 9

Table D.11-2. BLM Sensitive, Forest Service Sensitive, or MIS with the Potential to Occur within the Analysis Area

Common Name	Scientific Name	Federal Agency Status	Habitat Description	Does the Species Have Distribution or Potential Habitat within the Analysis Area?	Habitat Unit used for Analysis	Segments Species may be Present In
Birds cont.						
Sage Thrasher	*Oreoscoptes montanus*	BLM sensitive	Basin-prairie shrub, mountain-foothill shrub: The species is a sagebrush obligate as they are common inhabitants of shrub-steppe communities that are dominated by big sagebrush. Nest-site selection is specific as most nests are located within or beneath sagebrush plants with high foliage and branch density. Dense patches of large sagebrush plants and low densities of exotic plants also seem to be an important habitat characteristic for sage thrashers.	Yes	Sagebrush	8 and 9
Short Eared Owl	*Asio flammeus*	BLM sensitive	The short eared owl typically inhabits open habitats including grasslands, sagebrush, marshes, and tundra.	Yes	Open grassland and sagebrush habitats	8 and 9
Swainson's Hawk	*Buteo swainsoni*	BLM sensitve	This species inhabits open pine-oak woodlands with a abundant shrub-grass component, grasslands, and cultivated farmlands. Nests in trees or bushes.	Yes	Shrublands and Grasslands	8 and 9
Fish						
Bluehead Sucker	*Catostomus discobolus*	BLM sensitive	Bear, Snake, and Green drainages, all waters. This species has been reported to typically be found in runs or riffles with rock or gravel substrate. Juveniles have been collected from shallow riffles, backwaters, and eddies with silt or gravel substrate. Although the species generally inhabits streams with cool temperatures, bluehead suckers have been found inhabiting small creeks with water temperatures as high as 82.4°F). This species is found in a large variety of river systems ranging from large rivers with discharges of several hundred cubic meters per sec to small creeks with less than a 0.05 cubic meters per second (1.8 cubic feet per sec).	Yes	Snake and Green River drainages	8 and 9
Fine-spotted Cutthrout Trout, Snake River Cutthroat	*Oncorhynchus clarki* spp	BLM sensitive	Snake River drainage, clear, fast water.	Yes – Occurs in Snake River and drainages.	Snake River	8 and 9
Redband Trout	*Oncorhynchus mykiss gairdneri*	BLM sensitive	Redband trout occur in inland drainages of the Pacific Northwest. Great Basin redband trout are found in arid forest and desert environments characterized by extreme fluctuations in stream flow and temperature.	Yes – Occurs in Snake River drainages.	Snake River	8 and 9
Shoshone Sculpin	*Cottus greenei*	BLM sensitive	Shoshone sculpin are found in approximately two dozen springs/streams in the Hagerman Valley. Their habitat is essentially restricted to the clear, cool (60.8 degrees Fahrenheit) well oxygenated water of the Thousand Springs Formation. They select low velocity waters with abundant gravel, rock, and aquatic vegetation.	Yes – Occurs in Hagerman Valley.	Waterbodies	8
Westslope Cutthroat Trout	*Oncorhynchus clarki lewisi*	BLM sensitive	Westslope cutthroat are common in both headwaters lake and stream environments. The newborn fry frequently migrate back to lakes to rear after 1 to 2 years in their native stream. Spawning and rearing streams tend to be cold and nutrient poor. Westslope cutthroat trout seek out gravel substrate in riffles and pool crests for spawning habitat. Westslope cutthroat trout also require cold water. Westslope cutthroat trout tend to thrive in streams with more pool habitat and cover than uniform, simple habitat. Juvenile cutthroat trout overwinter in the interstitial spaces of large stream substrate. Adult cutthroat trout need deep, slow moving pools that do not fill with anchor ice in order to survive the winter.	Yes – Occurs in Snake River and drainages.	Snake River	8 and 9
White Sturgeon	*Acipenser transmontanus*	BLM sensitive	Species lives at the bottom of slow-moving rivers, bays, and estuaries. This species spends most of its time in the marine environment, but moves into river habitats in order to spawn.	Yes - Present in Snake River from Shoshone Falls downstream to confluence with Columbia River.	Snake River	8 and 9
Wood River Sculpin	*Cottus leiopomus*	BLM sensitive	The Wood River sculpin occurs only in the Wood River drainage in south–central Idaho. The Wood River sculpin occurs mainly in small to medium sized streams with cool, clear waters and a swift current. Individuals are most commonly found in riffles and runs with a gravel or cobble substrate.	Yes	Waterbodies	8
Yellowstone Cutthroat Trout	*Oncorhynchus clarki bouvieri*	BLM sensitive	Yellowstone, Bighorn, and Snake River drainage, small mountain streams and large rivers (including Raft River, Goose Creek, Piney Creek, and Trout Creek)	Yes	Snake River	8 and 9
Reptiles						
Great Basin Black-Collard Lizard	*Crotaphytus bicinctores*	BLM sensitive	Species primarily inhabitas desert scrub and grasslands.	Likely	Desert scrub and grasslands	8 and 9
Longnose Snake	*Rhinocheilus lecontei*	BLM sensitive	Arid and semi-arid deserts, grasslands, shrublands, and prairies. Sea level to 6,200 ft**.**	Yes – Occurs at Bruneau Sand Dunes.	Sand dunes	9
Mojave Black-collared Lizard	*Crotaphytus bicinctores*	BLM sensitive	Isolated populations occur in eastern Idaho and Utah. Prefers arid rocky hilly deserts with sparse vegetation, but sometimes found in areas with few rocks.	Yes – Occurs in Ada, Canyon, and Elmore counties.	Shrublands	8 and 9
Western Ground Snake	*Sonora semiannulata*	BLM sensitive	Inhabits areas with surface cover and some moisture: grassland, riverbottoms, desert flats, ranchland, sand hummocks, open rocky hillsides with loose soil, sandy washes, dry streambeds, and riparian thickets.	Yes – Occurs near Hammet.	Riparian areas	8 and 9

Table D.11-2. BLM Sensitive, Forest Service Sensitive, or MIS with the Potential to Occur within the Analysis Area

Common Name	Scientific Name	Federal Agency Status	Habitat Description	Does the Species Have Distribution or Potential Habitat within the Analysis Area?	Habitat Unit used for Analysis	Segments Species may be Present In
Amphibians						
Western Boreal Toad and Eastern sub-groups	*Anaxyrus boreas* and Anaxyrus boreas boreas	BLM sensitive	Pond margins, wet meadows, riparian areas. Boreal toads live in a wide range of habitats in western North America: wetlands, forests, woodlands, sagebrush, meadows, and floodplains in the mountains and valleys. Boreal toads generally occur between 7,500 and 12,000 feet in Region 2. The wetland habitat classification system of Cowardin et al. (1979) defines the following wetland classes: aquatic bed, streambed, rocky shore, unconsolidated shore, emergent wetland (persistent and non-persistent), scrub-shrub wetland, and forested wetland. Boreal toads are likely to be found within these classes in Riverine, Lacustrine, and Palustrine wetland systems.	Yes	Locations mapped by Idaho CDC and WYNDD	8 and 9
Northern Leopard Frog	*Rana pipiens*	BLM sensitive	Beaver ponds, permanent water in plains and foothills. Springs, slow streams, marshes, bogs, ponds, canals, flood plains, reservoirs, and lakes; usually permanent water with rooted aquatic vegetation. In summer, commonly inhabits wet meadows and fields. Takes cover underwater, in damp niches, or in caves when inactive. Overwinters usually underwater.	Yes	Wetland habitat mapped for the Northern Leopard Frog	8 and 9
Spotted Frog	*Ranus pretiosa (lutieventris)*	BLM sensitive	Ponds, sloughs, small streams. Columbia Spotted Frogs are fairly aquatic and are generally found in or near permanent bodies of water such as lakes, ponds, sluggish streams and marshes. The littoral zone is generally comprised of emergent vegetation including grasses and sedges. During the summer these frogs can be found some distance from the breeding sites but still associated with moist vegetation. Found from sea level to about 9,842 feet, usually in hilly areas near cool, permanent, quiet water in streams, rivers, lakes, pools, springs, and marshes. Highly aquatic, but may disperse into forests, grasslands, and brushlands. In the Northwest, prefers areas with thick algae and emergent vegetation, but may use sunken, dead, or decaying vegetation as escape cover.	Yes – Riparian/wetland habitats mapped for this species are present within Segment 4.	Riparian and wetland habitats	9
Woodhouse Toad	*Bufo woodhousii*	BLM sensitive	Inhabits a wide variety of habitats - irrigation ditches, temporary pools, backyards, grassland, sagebrush flats, woods, desert streams, farms, river floodplains. Prefers sandy areas. From below sea level to 8,500 ft (2,600 m).	Yes – Occurs in Ada, Canyon and Elmore County and eastern Wyoming counties.	Wetland and adjacent upland habitats	9
Invertebrates						
Ashy Pebblesnail	*Fluminicola fuscus*	BLM sensitive	Species inhabits cold, highly oxygenated water in rivers with a swift current and gravel to boulder substrate.	Yes - Reported as possible inhabiting lower Snake River in free flowing sections, not in impounded areas. Ashy Pebblensnails are noted at “abundant” in the Hagerman Valley section of the Snake River.	Snake River	8 and 9
Bruneau Dunes Tiger Beetle	*Cicindela waynei waynei*	BLM sensitive	This species primarily occurs in the sparsely vegetated margins of sand dunes. Adults can be found on dunes but spend much of their time on more stabilized substrate in saddles between dunes. Larvae develop in burrows in flat areas in the narrow area between the drifting sand of the dunes and the established desert plant community. Such sites usually having a covering of small gravel or pebbles.	Yes – Occurs in Minidoka, Blain, and Power Counties.	Sand dunes in Owyhee County	9
Blind Cave Leiodid Beetle	*Glacicavicola bathyscoides*	BLM sensitive	This species is known only from southern Idaho and westernmost Wyoming. This species has only been found in lava tube caves in the vicinity of permanent ice.	Yes – Occurs in Lincoln and Power County.	Lava tube caves in the vicinity of permanent ice in Lincoln and Power County	8
California Floater	*Anodonta californiensis*	BLM sensitive	The California floater, a freshwater mussel, is found in the Snake River in scattered locations between Bliss and Alkali Creek. The California floater prefers habitats immediately upstream or downstream of rapids in mud-sand substrates with good water quality.	Yes – Occurs in Elmore, Gooding, Jerome, and Twin Falls County, Idaho.	Wetlands	8 and 9
Columbia Pebblesnail	*Flumincola fuscus*	BLM sensitive	The Columbia pebblesnail is found in the Snake River below Lower Salmon Falls Dam and in the tailwaters of the Bliss Dam. The pebblesnail lives in flowing waters and uses gravel- to boulder-sized substrate at the edges or downstream of rapids and whitewater areas.	Yes – Occurs in Gooding and Twin Falls County, Idaho.	Wetlands and waterbodies	8 and 9
St. Anthony Sand Dunes Tiger Beetle	*Cicindela arenicola*	BLM sensitive	This species is found on sand dunes. Larvae live in burrows located in flat, grassy areas where the sand is at least a meter thick, often on the windward side of sand dunes.	Yes – Occurs in Bannock, Power, Blaine, Minidoka, Lincoln, and possibly Bingham counties.	Sand dunes	9
Shortface Lanx	*Fisherola nuttalli*	BLM sensitive	Shortface lanx inhabits cold, unpolluted, medium to large streams with fast-flowing, well-oxygenated water and cobbleboulder substrate, and is generally found at the edges of rapids. Current populations occur in the Snake River.	Yes – Occurs in Snake River.	Snake River	8 and 9

Table D.11-3. Miles of Habitat Crossed for Federal ESA Wildlife Species with Available Quantitative Data

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Miles of Habitat Crossed						
			Black-Footed Ferret	Canada Lynx	Columbia Spotted Frog	Greater Sage-Grouse	Grizzly Bear	Preble's Meadow Jumping	Yellow-Billed Cuckoo
8	Revised Proposed Route	129.7			0.2	71.9 [7.2]			0.1
	Proposed – Existing 500-kV Removal[1/]	1.1							
	Route 8G	146.9			0.5	93.7 [4.6]			t[2/]
	Route 8G – Existing 500-kV Removal	1.9				0.2			
	Route 8H	137.5			0.4 [0.3]	71.8 [26.2]			
	Route 8H – Existing 138-kV Removal	25.7			t[2/] [t[2/]]	13.9 [12.3]			
	Route 8H – Existing 500-kV Removal	1.9				0.2			
9	Revised Proposed Route	165.3			0.4[0.3]	101.6 [26.3]			
	Proposed – Existing 138-kV Removal[1/]	25.7			t[2/] [t[2/]]	13.9 [12.3]			
	Segment 9 FEIS Proposed Route	162.2			1.0 [t[2/]]	103.4 [6.9]			
	Route 9K	174.6			0.4	124.1 [4.8]			t[2/]
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7				8.3			
	Toana Road Variation 1	8.5				8.5			
	Toana Road Variation 1-A	8.9				8.8			

Notes: Mileages have been rounded to the nearest tenth of a mile; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero miles or null value
The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP
[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented
[2/] "t" indicates only a trace amount (<0.1 mile) crossed

Table D.11-4. Miles of Habitat Crossed for BLM and Forest Service Sensitive Species with Available Quantitative Data

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Miles of Habitat Crossed											
			Bald Eagle		Black-Tailed Prairie Dog					Northern Goshawk				
			Within a 1-mile Nest Buffer	Within a 1-mile Winter Roost Buffer	Colony	Complex[1/]	Burrowing Owl	Columbian Sharp-Tailed Grouse	Mountain Plover	within a 1-mile Nest Buffer	Northern Leopard Frog	Pygmy Rabbit	White-Tailed Prairie Dog	Wyoming Pocket Gopher
8	Revised Proposed Route	129.7	2.0				109.4[17.3]				1.2 [t[3/]]	108.2 [17.3]		
	Proposed – Existing 500-kV Removal[2/]	1.1					0.9[0.3]					0.9 [0.3]		
	Route 8G	146.9	1.8	t[3/]			121.9[7.0]				0.8	112.6 [7.0]		
	Route 8G – Existing 500-kV Removal	1.9					1.2					0.3		
	Route 8H	137.5	1.5	t[3/] [t[3/]]			114.0 [49.1]				1.0 [0.3]	111.3 [48.4]		
	Route 8H – Existing 138-kV Removal	25.7					23.9 [19.2]				0.1 [t[3/]]	23.3 [19.2]		
	Route 8H – Existing 500-kV Removal	1.9					1.2					0.3		
9	Revised Proposed Route	165.3	1.6	t[3/] [t[3/]]			146.3[49.1]	1.8			0.8 [0.3]	141.1 [48.3]		
	Proposed – Existing 138-kV Removal[2/]	25.7					23.9[19.2]				0.1 [t[3/]]	23.3 [19.2]		
	Segment 9 FEIS Proposed Route	162.2	1.6				131.7 [9.3]	1.8			1.3 [t[3/]]	111.1 [8.2]		
	Route 9K	174.6	1.9				152.1[6.7]	1.8			0.5	141.1 [6.7]		
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7					8.0					7.8		
	Toana Road Variation 1	8.5					8.4					8.4		
	Toana Road Variation 1-A	8.9					8.7					8.7		

Notes: Mileages have been rounded to the nearest tenth of a mile; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero miles or null value
The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] The number of “colony” miles crossed represents colonies that are not part of complexes; the sum of the two numbers, “colonies” and “complexes,” adds up to total miles of prairie dog habitat crossed.
[2/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented
[3/] "t" indicates only a trace amount (<0.1 mile) crossed

Table D.11-5. Acres of Construction Impacts to Federal ESA Wildlife Species with Available Quantitative Data

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Acres of Construction Impacts						
			Black-Footed Ferret	Canada Lynx	Columbia Spotted Frog	Greater Sage-Grouse	Grizzly Bear	Preble's Meadow Jumping Mouse	Yellow-Billed Cuckoo
8	Revised Proposed Route	129.7			3	1,259 [109]			2
	Proposed – Existing 500-kV Removal[1/]	1.1							
	Route 8G	146.9			3	1,689 [90]			1
	Route 8G – Existing 500-kV Removal	1.9				1			
	Route 8H	137.5			2 [2]	1,271 [468]			
	Route 8H – Existing 138-kV Removal	25.7				26 [23]			
	Route 8H – Existing 500-kV Removal	1.9				1			
9	Revised Proposed Route	165.3			3	1,840 [460]			
	Proposed – Existing 138-kV Removal[1/]	25.7				26 [23]			
	Segment 9 FEIS Proposed Route	162.2			13 [1]	1,925 [168]			<1
	Route 9K	174.6			3	2,284 [86]			1
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7				167			
	Toana Road Variation 1	8.5				162			
	Toana Road Variation 1-A	8.9				156			

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.11-6. Acres of Construction Impacts to BLM and Forest Service Sensitive Species with Available Quantitative Data

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Acres of Habitat Impacted by Construction											
			Bald Eagle		Black-Tailed Prairie Dog					Northern Goshawk				
			Within a 1-mile Nest Buffer	Within a 1-mile Winter Roost Buffer	Colony	Complex[1/]	Burrowing Owl	Columbian Sharp-Tailed Grouse	Mountain Plover	Within a 1-mile Nest Buffer	Northern Leopard Frog	Pygmy Rabbit	White-Tailed Prairie Dog	Wyoming Pocket Gopher
8	Revised Proposed Route	129.7	40				1,936 [260]				23	1,920 [260]		
	Proposed – Existing 500-kV Removal [2/]	1.1					7 [3]					7 [3]		
	Route 8G	146.9	32				2,283 [153]				6 [<1]	2,122 [149]		
	Route 8G – Existing 500-kV Removal	1.9					8					4		
	Route 8H	137.5	20	<1			2,135 [940]				9 [2]	2,090 [921]		
	Route 8H – Existing 138-kV Removal	25.7					45 [36]					44 [36]		
	Route 8H – Existing 500-kV Removal	1.9					8					4		
9	Revised Proposed Route	165.3	24	<1			2,738 [930]	39			7 [2]	2,609 [911]		
	Proposed – Existing 138-kV Removal [2/]	25.7					45 [36]					44 [36]		
	Segment 9 FEIS Proposed Route	162.2	33				2,592 [240]	34			16 [1]	2,225 [224]		
	Route 9K	174.6	33				2,890 [145]	39			4 [<1]	2,652 [141]		
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7					155					148		
	Toana Road Variation 1	8.5					151					151		
	Toana Road Variation 1-A	8.9					151					151		

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero acres or null value
The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] The number of "colony" acres impacted represents colonies that are not part of complexes; the sum of the two numbers, "colonies" and "complexes," adds up to total acres of prairie dog habitat impacted.

[2/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.11-7. Acres of Operations Impacts to Federal ESA Wildlife Species with Available Quantitative Data

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Acres of Operation Impacts						
			Black-Footed Ferret	Canada Lynx	Columbia Spotted Frog	Greater Sage-Grouse	Grizzly Bear	Preble's Meadow Jumping Mouse	Yellow-Billed Cuckoo
8	Revised Proposed Route	129.7				140 [10]			2
	Proposed – Existing 500-kV Removal[1/]	1.1							
	Route 8G	146.9			<1 [<1]	209 [17]			1
	Route 8G – Existing 500-kV Removal	1.9							
	Route 8H	137.5			<1 [<1]	135 [41]			
9	Revised Proposed Route	165.3			<1 [<1]	194 [41]			
	Proposed – Existing 138-kV Removal[1/]	25.7							
	Segment 9 FEIS Proposed Route	162.2			2 [<1]	210 [17]			
	Route 9K	174.6			<1 [<1]	268 [16]			1
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7				15			
	Toana Road Variation 1	8.5				15			
	Toana Road Variation 1-A	8.9				11			

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.11-8. Acres of Operations Impacts to BLM and Forest Service Sensitive Species with Available Quantitative Data

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Acres of Habitat Impacted by Operation											
			Bald Eagle		Black-Tailed Prairie Dog					Northern Goshawk				
			Within a 1-mile Nest Buffer	Within a 1-mile Winter Roost Buffer	Colony	Complex[1/]	Burrowing Owl	Columbian Sharp-Tailed Grouse	Mountain Plover	Within a 1-mile Nest Buffer	Northern Leopard Frog	Pygmy Rabbit	White-Tailed Prairie Dog	Wyoming Pocket Gopher
8	Revised Proposed Route	129.7	4				191 [16]				3	188[16]		
	Proposed – Existing 500-kV Removal [2/]	1.1					t[3/]					t[3/]		
	Route 8G	146.9	4				261 [25]				1 [<1]	241 [23]		
	Route 8G – Existing 500-kV Removal	1.9												
	Route 8H	137.5	3				209 [77]				<1 [<1]	207 [76]		
9	Revised Proposed Route	165.3	4				288 [76]	3			<1 [<1]	277 [75]		
	Proposed – Existing 138-kV Removal [2/]	25.7												
	Segment 9 FEIS Proposed Route	162.2	4				291 [24]	3			2 [<1]	252 [22]		
	Route 9K	174.6	4				344 [23]	3			1 [<1]	316 [22]		
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7					13					13		
	Toana Road Variation 1	8.5					12					12		
	Toana Road Variation 1-A	8.9					10					10		

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] The number of "colony" acres impacted represents colonies that are not part of complexes; the sum of the two numbers, "colonies" and "complexes," adds up to total acres of prairie dog habitat impacted

[2/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

[3/] "t" indicates only a trace amount (<0.1 acre) of impact

Table D.11-9. Number of Greater Sage-Grouse Leks within Specified Distances from Route Centerlines

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Buffer Distance and Active Status													
			0.25-mile Buffer		0.6-mile Buffer		1-mile Buffer		2-mile Buffer		3-mile Buffer		4-mile Buffer		11-mile Buffer	
			Occupied[1/]	Undetermined	Occupied[1/]	Undetermined	Occupied[1/]	Undetermined	Occupied[1/]	Undetermined	Occupied[1/]	Undetermined	Occupied[1/]	Undetermined	Occupied[1/]	Undetermined
8	Revised Proposed Route	129.7						1(1)		2(2)	1(1)	5(3)	1(1)	6(4)	24(21)	30(24)
	Proposed – Existing 500-kV Removal[2/]	1.1														
	Route 8G	146.9						2(2)		2(2)	2(2)	4(4)	4(4)	5(5)	25(21)	27(26)
	Route 8G – Existing 500-kV Removal	1.9														
	Route 8H	137.5											2(2)		8(8)	14(13)
	Route 8H – Existing 138-kV Removal	25.7														1(1)
	Route 8H – Existing 500-kV Removal	1.9														
9	Revised Proposed Route	165.3							1(1)	1(1)	3(2)	1(1)	13(10)	3(3)	52(46)	52(51)
	Proposed – Existing 138-kV Removal[2/]	25.7														1(1)
	Segment 9 FEIS Proposed Route	162.2				1(1)		1(1)	1(1)	2(2)	3(2)	4(4)	13(10)	7(7)	59(50)	62(61)
	Route 9K	174.6						2(2)	1(1)	3(3)	5(4)	5(5)	15(12)	8(8)	69(59)	65(64)
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7									1(1)		3(3)	1(1)	7(6)	11(10)
	Toana Road Variation 1	8.5							1(1)	1(1)	3(3)	2(2)	3(3)	2(2)	8(7)	11(10)
	Toana Road Variation 1-A	8.9							1(1)	1(1)	3(3)	2(2)	3(3)	2(2)	8(7)	11(10

Notes: The numbers in parentheses indicate the number of leks located on federally managed lands (e.g., a "4(2)" value indicates there are 4 leks within the buffer distance, 2 of which are located on federally managed lands)

[1/] Refers to leks that have been defined as occupied in Idaho

[2/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.11-10. Number of Columbian Sharp-Tailed Grouse Leks within Specified Distances from Route Centerlines

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length (Miles)	Buffer Distance and Active Status					
			0.25-mile Buffer		0.6-mile Buffer		2-mile Buffer	
			Occupied[1/]	Undetermined	Occupied[1/]	Undetermined	Occupied[1/]	Undetermined
8	Revised Proposed Route	129.7						
	Proposed – Existing 500-kV Removal[2/]	1.1						
	Route 8G	146.9						
	Route 8G – Existing 500-kV Removal	1.9						
	Route 8H	137.5						
	Route 8H – Existing 138-kV Removal	25.7						
	Route 8H – Existing 500-kV Removal	1.9						
9	Revised Proposed Route	165.3						
	Proposed – Existing 138-kV Removal[2/]	25.7						
	Segment 9 FEIS Proposed Route	162.2						
	Route 9K	174.6						
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7						
	Toana Road Variation 1	8.5						
	Toana Road Variation 1-A	8.9						

Notes: This table contains no data because there were no leks found within these buffer distances

[1/] Refers to leks that have been defined as occupied in Idaho

[2/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.11-11. Miles of Agency Designated Greater Sage-Grouse Habitat Crossed by the Route Centerlines

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Core Areas	Key Areas	R1 Habitats	R2 Habitats	R3 Habitats	Preliminary Priority Habitats (PPH)	Preliminary General Habitats (PGH)	Priority Habitat Management Areas (PHMA)	General Habitat Management Areas (GHMA)	Important Habitat Management Areas (IHMA)	Sagebrush Focal Areas (SFA)
8	Revised Proposed Route	129.7		6.4 [2.0]	28.2	11.8		6.6	21.1 [2.0]		53.1 [2.0]	3.7	
	Proposed – Existing 500-kV Removal[1/]	1.1											
	Route 8G	146.9		4.7	21.8	10.4		4.7	32.6		21.8	22.5	
	Route 8G – Existing 500-kV Removal	1.9											
	Route 8H	137.5			16.4				23.8 [0.1]		16.4	9.7 [1.1]	
	Route 8H – Existing 138-kV Removal	25.7											
	Route 8H – Existing 500-kV Removal	1.9											
9	Revised Proposed Route	165.3		8.2	16.8	0.3		16.0	25.4 [0.1]		3.5	15.7 [1.1]	
	Proposed – Existing 138-kV Removal[1/]	25.7											
	Segment 9 FEIS Proposed Route	162.2		8.2	16.8	0.3		16.0	25.8 [0.4]		11.8 [2.5]	22.3 [0.8]	
	Route 9K	174.6		12.9	22.2	13.0		20.8	34.3		8.8	28.8	
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7			6.0			7.3	1.4		3.5	1.4	
	Toana Road Variation 1	8.5			1.0			7.6	0.9		2.5	2.7	
	Toana Road Variation 1-A	8.9			1.0			7.6	1.2		2.7	2.6	

Notes: Mileages have been rounded to the nearest tenth of a mile; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero miles or null value
The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP
[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.11-14. Acres of Construction Impacts to Agency Designated Greater Sage-Grouse Habitat

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Core Areas Crossed	Key Areas Crossed	R1 Habitats Crossed	R2 Habitats Crossed	R3 Habitats Crossed	Preliminary Priority Habitats (PPH)	Preliminary General Habitats (PGH)	Priority Habitat Management Areas (PHMA)	General Habitat Management Areas (GHMA)	Important Habitat Management Areas (IHMA)	Sagebrush Focal Areas (SFA)
8	Revised Proposed Route	129.7		110 [26]	509	196 [t[2/]]		129	380 [26]		889 [26]	70	
	Proposed – Existing 500-kV Removal[1/]	1.1											
	Route 8G	146.9		103 [4]	356	204		103 [5]	563 [t[2/]]		350 [9]	457 [1]	
	Route 8G – Existing 500-kV Removal	1.9											
	Route 8H	137.5			248	1			396 [9]		248	196 [40]	
	Route 8H – Existing 138-kV Removal	25.7											
	Route 8H – Existing 500-kV Removal	1.9											
9	Revised Proposed Route	165.3		177	326	10		282	509 [9]		62	304 [40]	
	Proposed – Existing 138-kV Removal[1/]	25.7											
	Segment 9 FEIS Proposed Route	162.2		162	300	11		292	507 [3]		218 [59]	449 [24]	
	Route 9K	174.6		281 [4]	434	233		386 [4]	673		162 [7]	565 [1]	
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7			109			124	36		62	29	
	Toana Road Variation 1	8.5			24			126	27		27	55	
	Toana Road Variation 1-A	8.9			12			129	19		34	52	

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

[2/] "t" indicates only a trace amount (<0.1 acre) of impact

Table D.11-15. Acres of Operations Impacts to Agency Designated Greater Sage-Grouse Habitat

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Core Areas Crossed	Key Areas Crossed	R1 Habitats Crossed	R2 Habitats Crossed	R3 Habitats Crossed	Preliminary Priority Habitats (PPH)	Preliminary General Habitats (PGH)	Priority Habitat Management Areas (PHMA)	General Habitat Management Areas (GHMA)	Important Habitat Management Areas (IHMA)	Sagebrush Focal Areas (SFA)
8	Revised Proposed Route	129.7		11 [3]	60	18 [t[2/]]		12	45 [3]		96 [3]	7	
	Proposed – Existing 500-kV Removal[1/]	1.1											
	Route 8G	146.9		13 [1]	45	25		13 [1]	69		42 [2]	57 [t[2/]]	
	Route 8G – Existing 500-kV Removal	1.9											
	Route 8H	137.5			29	<1			46 [<1]		29	25 [5]	
9	Revised Proposed Route	165.3		22	42	1		29	71 [<1]		5	41 [5]	
	Proposed – Existing 138-kV Removal[1/]	25.7											
	Segment 9 FEIS Proposed Route	162.2		22	37	1		29	66 [<1]		21 [4]	49 [3]	
	Route 9K	174.6		35 [1]	59	26		42 [1]	93		18 [2]	73 [t[2/]]	
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7			9			13	3		5	4	
	Toana Road Variation 1	8.5			2			14	2		3	5	
	Toana Road Variation 1-A	8.9			1			9	2		2	5	

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

[2/] "t" indicates only a trace amount (<0.1 acre) of impact

Table D.11-16. Sightlines from Occupied and Undetermined Sage-Grouse Leks on Federally Managed Lands that are Located within 4 miles of Construction Sites Proposed on Federally Managed Lands

Lek ID	Agency	Management Status	Route Associated with Closest Disturbance or Centerline	Distance to Closest Disturbance or Project Centerline (miles)	Visible Distance (sightline) from Lek Toward Project (miles)	Distance to Existing Features Crossing Sightline (miles)[1/]	Distance to Closest Existing Features that do Not Cross Sightline (miles)[2/]	Other Routes within 4 miles
2O164	BLM	Undetermined	Toana Road Variation 1	1.93	0.87			Route 9K,Segment 9 Proposed,Segment 9 Proposed and Route 9K - Comparison portion for Toana Road Variations 1/1-A,Toana Road Variation 1-A, Segment 9 FEIS Proposed Route
2O278	BLM	Undetermined	Segment 9 FEIS Proposed Route	0.37	0.10			Route 8G,Route 9K,Segment 9 Proposed,Segment 9 Proposed - Existing 138-kV Removal
2O441	BLM	Undetermined	Route 8G	2.78	0.32	2.53	0.22	Route 9K,Segment 9 Proposed, Segment 9 FEIS Proposed Route
2O442	BLM	Undetermined	Route 8G	2.90	0.07	1.99	0.36	Route 9K, Segment 9 FEIS Proposed Route
2O482	BLM	Undetermined	Route 8G	0.63	0.17		0.05	Route 9K
2O504	BLM	Occupied	Route 8G	3.74	0.11	1.34	0.55	Route 9K
2O506	BLM	Undetermined	Route 9K	2.46	0.02	0.51	0.36	Route 9K,Segment 9 Proposed
2O507	BLM	Occupied	Route 8G	3.74	0.34	1.26	0.39	Route 9K
2O508	BLM	Unoccupied	Route 8G	0.63	0.35		0.15	Route 9K,Segment 9 Proposed, Segment 9 FEIS Proposed Route
2O618	BLM	Occupied	Route 8G	1.93	0.15		0.37	Route 9K,Segment 8 Proposed,Segment 9 Proposed, Segment 9 FEIS Proposed Route, Route 8H
2O629	BLM	Undetermined	Route 8G	0.47	0.05	0.03		Route 9K,Segment 9 Proposed, Segment 9 FEIS Proposed Route
2O641	BLM	Occupied	Route 8G	1.96	0.09		0.23	Route 9K,Segment 8 Proposed,Segment 9 Proposed, Segment 9 FEIS Proposed Route, Route 8H
2T010	BLM	Undetermined	Route 9K	2.68	0.41	0.6	0.34	Segment 9 Proposed,Segment 9 Proposed and Route 9K - Comparison portion for Toana Road Variations 1/1-A,Toana Road Variation 1,Toana Road Variation 1-A, Segment 9 FEIS Proposed Route
2T014	BLM	Occupied	Route 9K	2.77	1.15	0.08	0.03	Segment 9 Proposed,Segment 9 Proposed and Route 9K - Comparison portion for Toana Road Variations 1/1-A,Toana Road Variation 1,Toana Road Variation 1-A, Segment 9 FEIS Proposed Route
2T016	BLM	Occupied	Route 9K	3.18	0.38	1.89	0.08	Segment 9 Proposed, Segment 9 FEIS Proposed Route
2T064	BLM	Occupied	Route 9K	3.18	0.07	0.3	0.25	Segment 9 Proposed, Segment 9 FEIS Proposed Route
2T112	BLM	Unoccupied	Route 9K	2.52	0.53	0.28	0.17	Segment 9 Proposed, Segment 9 FEIS Proposed Route
2T138	BLM	Undetermined	Toana Road Variation 1	1.05	0.32	0.15	0.04	Segment 9 Proposed,Segment 9 Proposed and Route 9K - Comparison portion for Toana Road Variations 1/1-A,Toana Road Variation 1,Toana Road Variation 1-A, Segment 9 FEIS Proposed Route
2T149	BLM	Occupied	Route 9K	1.53	0.39		0.21	Segment 9 Proposed,Segment 9 Proposed and Route 9K - Comparison portion for Toana Road Variations 1/1-A,Toana Road Variation 1,Toana Road Variation 1-A, Segment 9 FEIS Proposed Route
2T151	BLM	Occupied	Toana Road Variation 1	0.87	0.14	0.2		Segment 9 Proposed,Segment 9 Proposed and Route 9K - Comparison portion for Toana Road Variations 1/1-A,Toana Road Variation 1,Toana Road Variation 1-A, Segment 9 FEIS Proposed Route
2T152	BLM	Occupied	Toana Road Variation 1	1.89	0.81	1.47	0.13	Segment 9 Proposed,Segment 9 Proposed and Route 9K - Comparison portion for Toana Road Variations 1/1-A,Toana Road Variation 1,Toana Road Variation 1-A, Segment 9 FEIS Proposed Route
2T156	BLM	Occupied	Route 9K	3.67	0.79	0.64	0.15	Segment 9 Proposed, Segment 9 FEIS Proposed Route
4C133	BLM	Undetermined	Route 9K	1.95	0.05		0.4	Route 8G,Segment 8 Proposed,Segment 9 Proposed
E013	BLM	Undetermined	Segment 8 Proposed	0.83	0.31	0.75	0.1	Route 8G,Route 9K,Segment 9 Proposed
E015	BLM	Not verified	Segment 8 Proposed	3.84	0.02	0.46	0.3	
E016	BLM	Not verified	Segment 8 Proposed	2.85	0.14	2.63	0.48	
E018	BLM	Undetermined	Segment 8 Proposed	3.19	0.28	1.2	0.17	
E019	BLM	Not verified	Segment 8 Proposed	2.33	0.23	0.16		
E020	BLM	Undetermined	Segment 8 Proposed	2.36	0.33	2.12	0.04	
E021	BLM	Undetermined	Segment 8 Proposed	1.72	0.42	1.22	0.44	
E022	BLM	Undetermined	Segment 8 Proposed	3.78	0.51	1.29	0.30	
E050	BLM	Unoccupied	Segment 8 Proposed	2.21	0.28	1.98	0.18	
E051	BLM	Unoccupied	Segment 8 Proposed	2.97	0.52	0.45	0.1	
E071	BLM	Occupied	Segment 8 Proposed	2.90	0.29	1.11	0.42	

Notes: Blank cells indicate zero miles or null value

[1/] Distance to existing disturbances (i.e., highways or existing powerlines) that occur between the lek and the proposed Project

[2/] Distance to existing disturbances (i.e., highways or existing powerlines) that occur near the lek, but are not located between the lek and the proposed Project (e.g., disturbances that occur adjacent to or behind the lek, in relation to the Project)

Table D.11-17. Number of Greater Sage-Grouse Leks within Specified Distances from the Seven Action Alternatives

Alternative	Buffer Distance and Active Status													
	0.25-mile Buffer		0.6-mile Buffer		1-mile Buffer		2-mile Buffer		3-mile Buffer		4-mile Buffer		11-mile Buffer	
	Occupied[1/]	Undetermined	Occupied[1/]	Undetermined	Occupied[1/]	Undetermined	Occupied[1/]	Undetermined	Occupied[1/]	Undetermined	Occupied[1/]	Undetermined	Occupied[1/]	Undetermined
Alternative 1						1(1)	1(1)	3(3)	4(3)	6(4)	14(11)	9(7)	65(56)	77(70)
Alternative 2				1(1)		2(2)	1(1)	4(4)	4(3)	9(7)	14(11)	13(11)	77(65)	89(82)
Alternative 3				1(1)		3(3)	1(1)	5(5)	6(5)	10(8)	16(13)	14(12)	82(69)	90(83)
Alternative 4				2(2)		2(2)	1(1)	3(3)	5(4)	5(5)	15(12)	8(8)	64(54)	69(67)
Alternative 5				1(1)		2(2)	1(1)	3(3)	5(4)	5(5)	15(12)	8(8)	64(54)	69(67)
Alternative 6				1(1)		1(1)	1(1)	2(2)	3(2)	4(4)	13(10)	7(7)	59(50)	68(66)
Alternative 7				1(1)		2(2)	1(1)	3(3)	5(4)	5(5)	15(12)	8(8)	64(54)	69(67)

Notes: The numbers in parentheses indicate the number of leks located on federally managed lands (e.g., a “4(2)” value indicates there are 4 leks within the buffer distance, 2 of which are located on federally managed lands)

[1/] Refers to leks that have been defined as occupied in Idaho

Table D.13-1. Paleontological Sensitivity Rankings for Revised Proposed Routes, Other Routes, and Route Variations

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length (miles)	Formation Name	Miles Crossed	PFYC
8	Revised Proposed Route	129.7	Quaternary Undifferentiated (alluvium, gravel, fluvial, landslide)	39.8	3[1/]
			Bruneau Formation - basalt	23.7	4A
			Snake River Basalt	9.5	1[2/]
			Bruneau Formation lake sediments	5.5	4A
			Glenns Ferry Formation	15.7	5A
			Locally named Quaternary/Tertiary basalt flows	32.5	1[2/]
			Idaho Group sediments (fluvial, lacustrine, eolian)	0.8	[3/]
			Poision Creek/Chalk Hills undifferentiated	2.0	5A
			Paleontological Sensitivity Ranking	**366.7**	
	Revised Proposed – Existing 500-kV Removal	1.1	Quatermary Undifferentiated	1.1	3[1/]
			Paleontological Sensitivity Ranking	**3.0**	
	Route 8G	146.9	Quaternary Undifferentiated (alluvium, gravel, fluvial, landslide)	19.7	3[1/]
			Bruneau Formation - basalt	0.3	4A
			Idavada volcanics	4.6	3A[5/]
			Bruneau Formation lake sediments	16.2	4A
			Glenns Ferry Formation	45.3	5A
			Locally named Quaternary/Tertiary basalt flows	31.7	1[2/]
			Idaho Group sediments (fluvial, lacustrine, eolian)	10.6	[3/]
			Poision Creek/Chalk Hills undifferentiated	18.4	5A
			Paleontological Sensitivity Ranking	**489.9**	
	Route 8G – Existing 500-kV Removal	1.9	Glenns Ferry Formation	0.7	5A
			Tuana Gravel	1.2	3A
			Paleontological Sensitivity Ranking	**6.5**	
	Route 8H	137.5	Quaternary undifferentiated (alluvial fan, gravel, loess)	16.1	3[1/]
			Basalt (Idaho Group, Glenns Ferry, Snake River, locally named)	55.0	1[2/]
			Bruneau Formation (basalt or sediments)	33.6	4A
			Pleistocene sediments/Melon Gravel	1.6	3A
			Idaho Group-Glenns Ferry, Chalk Hills, Poison Creek	28.5	5A
			Chalky Volcanic field	0.5	5A
			Teapot Volcanic Field, Rhyolite flows of Reynolds Creek, undefined	2.2	[3/]
			Paleontological Sensitivity Ranking	**387.5**	
	Route 8H – Existing 138-kV Removal	25.7	Quaternary Alluvium	0.1	3[1/]
			Bruneau Formation (basalt or sediments)	4.2	4A
			Basalt (Idaho Group, Glenns Ferry, Snake River, locally named)	13.8	1[2/]
			Idaho Group-Glenns Ferry Formation	7.6	5A
			Paleontological Sensitivity Ranking	**68.9**	
	Route 8H – Existing 500-kV Removal	1.9	Tuana Gravel	1.2	3A
			Idaho Group - Glenns Ferry Fm - Lake Stream Sediments	0.7	5A
			Paleontological Sensitivity Ranking	**7.1**	

Table D.13-1. Paleontological Sensitivity Rankings for Revised Proposed Routes, Other Routes, and Route Variation cont.

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length (miles)	Formation Name	Miles Crossed	PFYC
9	Revised Proposed Route	165.3	Quaternary alluvium	5.6	3[1/]
			Bruneau Formation - basalt	10.7	4A
			Bruneau Formation lake sediments	30.4	4A
			Quaternary Crowsnest Gravels	0.6	3[1/]
			Idaho Group-Black Mesa Gravel	5.3	3A
			Tuana Gravel	10.0	3A
			Glenns Ferry Formation	20.4	5A
			Idaho Group sediments (fluvial, lacustrine, eolian)	0.2	[3/]
			Idavada volcanics	14.4	3A[5/]
			Snake River Basalt	24.7	1[2/]
			Locally named Quaternary/Tertiary basalt flows	36.6	1[2/]
			Poison Creek and Chalk Hill Formations, undivided	5.9	5A
			Snake River Rhyolite	0.4	1[2/]
			Paleontological Sensitivity Ranking	**465.3**	
	Revised Proposed – Existing 138-kV Removal	25.7	Quaternary alluvium	2.3	3[1/]
			Bruneau Formation - basalt	0.2	4A
			Bruneau Formation lake sediments	4.6	4A
			Glenns Ferry Formation	0.6	5A
			Snake River Basalt	18.1	1[2/]
			Paleontological Sensitivity Ranking	**47.2**	
	Segment 9 FEIS Proposed Route	162.2	Quaternary alluvium	15.4	3[1/]
			Bruneau Formation-basalt	0.3	4A
			Bruneau Formation lake sediments	23.2	4A
			Quaternary Crowsnest Gravels	0.6	3[1/]
			Idaho Group-Black Mesa Gravel	5.5	3A
			Bruneau Formation	3.0	4A
			Tuana Gravel	9.7	3A
			Glenns Ferry Formation	43.7	5A
			Banbury Basalt	30.6	1[2/]
			Chalk Hills Formation	0.7	5A
			Chalky Volcanic field	0.6	5A[4/]
			Idavada Volcanics	14.3	3A[5/]
			Snake River Basalt	8.2	1[2/]
			Poison Creek/Chalk Hills, undifferentiated	6.1	5A
			Snake River Rhyolite	0.4	1[2/]
			Paleontological Sensitivity Ranking	**537.2**	

Table D.13-1. Paleontological Sensitivity Rankings for Revised Proposed Routes, Other Routes, and Route Variation cont.

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length (miles)	Formation Name	Miles Crossed	PFYC
9	Route 9K	174.6	Quaternary alluvium	11.7	3[1/]
			Bruneau Formation - basalt	0.3	4A
			Bruneau Formation lake sediments	15.6	4A
			Idaho Group-Black Mesa Gravel	10.1	3A
			Tuana Gravel	10.1	3A
			Quaternary Crowsnest Gravels	0.6	3[1/]
			Glenns Ferry Formation	49.8	5A
			Idavada volcanics	19.3	3A[5/]
			Locally named Quaternary/Tertiary basalt flows	38.4	1[2/]
			Poison Creek and Chalk Hill Formations, undivided	18.3	5A
			Snake River Rhyolite	0.4	1[2/]
			Paleontological Sensitivity Ranking	**598.3**	
	Proposed – Comparison Portion for Toana Road Variations 1/1-A	8.7	Tertiary Basalt	2.2	1[2/]
			Idavada volcanics	6.4	3A[5/]
			Paleontological Sensitivity Ranking	**21.4**	
	Toana Road Variation 1	8.5	Tertiary Basalt	5.3	1[2/]
			Idavada volcanics	3.2	3A[5/]
			Paleontological Sensitivity Ranking	**14.9**	
	Toana Road Variation 1-A	8.9	Tertiary Basalt	4.3	1[2/]
			Idavada volcanics	4.6	3A[5/]
			Paleontological Sensitivity Ranking	**18.1**	

Note: Mileages have been rounded to the nearest tenth of a mile; therefore, numbers are inexact and columns/rows may not sum exactly

PFYC = Potential Fossil Yield Classification

[1/] Quaternary sediments (alluvium, gravel, loess, landslides) were designated PFYC Class 3. They may have fit Class 2 (less than 10,000 years old). Idaho classes unconsolidated Pleistocene deposits as Class 3A.

[2/] Igneous, metamorphic, and PreCambrian rocks classified as PFYC Class 1 unless given a different formation-specific definition in Wyoming or Idaho.

[3/] PFYC rankings for this formation were not designated in Idaho PFYC codes, and not readily defined by PFYC criteria (BLM, IM 2008-009).

[4/] The Chalky Point locality was discussed in the Chalk Hills formation in Idaho PFYC literature. It is unknown if the Chalky volcanics is the same as Chalky Point. However, given similar nomenclature and proximity to Chalk Hills, the Chalky volcanics were assumed as Class 5A.

[5/] USGS includes the Idavada Volcanics as part of the Challis Volcanic Group, which is classed as Class 3A.

Table D.14-1. OPS Earthquake Hazard for the Revised Proposed Routes, Other Routes, and Route Variations

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Earthquake Zone Rank		
			Low < 70	Medium 70 to 84	High 85 to 100
8	Revised Proposed Route	129.7	129.7		
	Revised Proposed – Existing 500-kV Removal[1/]	1.1	1.1		
	Route 8G	146.9	146.9		
	Route 8G – Existing 500-kV Removal	1.9	1.9		
	Route 8H	137.5	137.5		
	Route 8H – Existing 138-kV Removal	25.7	25.7		
	Route 8H – Existing 500-kV Removal	1.9	1.9		
9	Revised Proposed Route	165.3	165.2		
	Revised Proposed – Existing 138-kV Removal[1/]	25.7	25.7		
	Segment 9 FEIS Proposed Route	162.2	162.2		
	Route 9K	174.6	174.6		
	Proposed – Compare to Toana Road Variation 1/1-A	8.7	8.7		
	Toana Road Variation 1	8.5	8.5		
	Toana Road Variation 1-A	8.9	8.9		

Notes: Mileages have been rounded to the nearest tenth of a mile; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero miles or null value
[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.14-2. Affected Miles by Earthquake Magnitude Buffers

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Buffered Mileage		
			Magnitude 0.1 to 6	Magnitude 6.0 to 6.9	Magnitude >7
8	Revised Proposed Route	129.7	109.3		60.7
	Proposed - Existing 500-kV Removal[1/]	1.1	1.1		
	Route 8G	146.9	51.2		41.2
	Route 8G – Existing 500-kV Removal	1.9			1.9
	Route 8H	137.5	44.3	39.4	
	Route 8H – Existing 138-kV Removal	25.7			
	Route 8H – Existing 500-kV Removal	1.9		1.9	
9	Revised Proposed Route	165.3	21.6		
	Proposed - Existing 138-kV Removal[1/]	25.7			
	Segment 9 FEIS Proposed Route	162.2	26.7		
	Route 9K	174.6	28.5		
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7			
	Toana Road Variation 1	8.5			
	Toana Road Variation 1-A	8.9			

Notes: Mileages have been rounded to the nearest tenth of a mile; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero miles or null value

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.14-3. Miles of Landslide Hazard Ranking Crossed by Revised Proposed Routes, Other Routes, and Route Variations

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Buffered Mileage		
			Low Risk <70	Medium Risk 70-84	High Risk 85-100
8	Revised Proposed Route	129.7	121.9	7.8	
	Revised Proposed – Existing 500-kV Removal[1/]	1.1	1.1		
	Route 8G	146.9	146.9		
	Route 8G – Existing 500-kV Removal	1.9	1.9		
	Route 8H	137.5	137.5		
	Route 8H – Existing 138-kV Removal	25.7	25.7		
	Route 8H – Existing 500-kV Removal	1.9	1.9		
9	Revised Proposed Route	165.3	165.2		
	Revised Proposed – Existing 138-kV Removal[1/]	25.7	25.7		
	Segment 9 FEIS Proposed Route	162.2	162.2		
	Route 9K	174.6	174.6		
	Proposed – Compare to Toana Road Variations 1/1-A	8.7	8.7		
	Toana Road Variation 1	8.5	8.5		
	Toana Road Variation 1-A	8.9	8.9		

Notes: Mileages have been rounded to the nearest tenth of a mile; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero miles or null value

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.15-1. Analysis of Soil Factors in Construction Disturbance Areas in Acres

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Total Acres	Highly Wind Erodible	High K Factor	Slope > 25%	Low T Factor	Prime Farmland	Compaction Prone	Stony/ Rocky	Droughty Soil	Shallow Bedrock	Hydric Soil
8	Revised Proposed Route	129.7	2,271 [298]	682 [70]	1,621 [276]		1,809 [205]	533 [100]			1,412 [102]	738 [103]	
	Proposed – Existing 500-kV Removal[1/]	1.1	9		9 [3]							9 [3]	
	Route 8G	146.9	2,752 [180]	1,711 [170]	1,141 [10]		1,612 [30]	689 [149]		36	1,607 [170]	1,940 [179]	
	Route 8G – Existing 500-kV Removal	1.9	10		10								
	Route 8H	137.5	2,525 [1,006]	1,918 [964]	1,296 [620]		941 [352]	1,163 [845]		36	1,224 [384]	1,579 [809]	
	Route 8H – Existing 138-kV Removal	25.7	48	48 [38]	37 [31]		9 [6]	39 [33]			11 [7]	48 [38]	
	Route 8H – Existing 500-kV Removal	1.9	10		10								
9	Revised Proposed Route	165.3	3,149 [996]	1,513 [956]	1,924 [621]	39	1,592 [353]	1,531 [837]		490	1,258 [374]	1,825 [801]	
	Proposed – Existing 138-kV Removal[1/]	25.7	48	48 [38]	37 [32]		9 [6]	39 [33]			11 [7]	48 [38]	
	Segment 9 FEIS Proposed Route	162.2	3,294 [269]	1,486 [211]	1,510 [85]	33	2,131 [108]	1,024 [186]		534	1,812 [184]	1,972 [240]	
	Route 9K	174.6	3,383 [172]	1,317 [163]	1,767 [8]	39	2,260 [29]	964 [142]		490	1,651 [163]	2,192 [170]	
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7	177		168		177			8	8	177	
	Toana Road Variation 1	8.5	168		165		168			2	2	168	
	Toana Road Variation 1-A	8.9	163		161		163			2	2	163	

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero acres or null value
The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands in the SRBOP
[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.15-2. Analysis of Soil Factors in Operations Disturbance Areas in Acres

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Total Acres	Erosion Factors			Sensitive Soils		Factors Affecting Reclamation					Permanent Soil Loss
				Highly Wind Erodible	High K Factor	Slope > 25%	Low T Factor	Prime Farmland	Compaction Prone	Stony/ Rocky	Droughty Soil	Shallow Bedrock	Hydric Soil	
8	Revised Proposed Route	129.7	243 [28]	120 [8]	162 [27]		197 [20]	50 [8]			166 [12]	87 [9]		243 [28]
	Route 8G	146.9	332 [28]	222 [26]	123 [3]		201 [6]	86 [61]		3	209 [26]	249 [28]		332 [28]
	Route 8H	137.5	256 [88]	201 [81]	110 [47]		108 [32]	116 [72]		3	146 [40]	160 [70]		256 [88]
9	Revised Proposed Route	165.3	350 [87]	161 [80]	217 [47]	5	181 [32]	140 [111]		49	137 [39]	179 [70]		350 [87]
	Segment 9 FEIS Proposed Route	162.2	360 [28]	149 [23]	181 [8]	4	223 [9]	99 [21]		51	183 [20]	198 [25]		360 [28]
	Route 9K	174.6	425 [27]	181 [24]	230 [3]	5	274 [6]	110 [61]		49	200 [24]	267 [27]		425 [27]
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7	16		16		16			<1	<1	16		16
	Toana Road Variation 1	8.5	16		15		16			<1	<1	16		16
	Toana Road Variation 1-A	8.9	11		11		11			<1	<1	11		11

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero acres or null value
The numbers in square brackets "[ ]" correspond to impacts that would occur on BLM-managed lands within the SRBOP

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

[2/] "t" indicates only a trace amount (<0.1 acre) of impact

Table D.16-1. Surface Water Road Crossings by Crossing Type

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length (Miles)	Total Crossings[1/]	Number of Crossings																Estimated Disturbance Area (Acres)[2/]	Total Drive-through	Total Cut/Fill	Total Culvert
				Ephemeral			Intermittent Dry				Intermittent Wet			Perennial			Artificial						
				Drive Through	Ford	TMDL/ 303(d)	Drive Through	Ford	Temporary Culvert	TMDL/ 303(d)	Avoid	Temporary Culvert	TMDL/ 303(d)	Permanent Culvert	Avoid	TMDL/ 303(d)	Avoid	Temporary Bridges	TMDL/ 303(d)				
8	Revised Proposed Route	129.7	204	88	42	9	6	13						1	2	6		36	1	1	94	55	2
	Route 8G	146.9	149	83	39	8				1				1	1	4		12		<1	83	39	1
	Route 8H	137.5	115	63	27	11										3		11		<1	63	27	
9	Revised Proposed Route	165.3	172	61	44	19	4	10	3	5			11		1			14		2	65	54	15
	Segment 9 FEIS Proposed Route	162.2	319	158	32	15	10	6	3	3			15		3	2		72		2	168	38	21
	Route 9K	174.6	237	97	69	16	5	10	2	6			11	1	2	1		17		3	102	79	15
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7	13	6	4													3		t[3/]	6	4	
	Toana Road Variation 1	8.5	15	8	5													2		t[3/]	8	5	
	Toana Road Variation 1-A	8.9	10	5	3													2		t[3/]	5	3	

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

[1/] The number of crossings are based on the disturbance acres for each stream crossing type and have been rounded to the nearest whole number; therefore numbers are inexact and columns/rows may not sum exactly

[2/] Estimated Disturbance Acres are in addition to the disturbance area of the road that would be needed for stream crossings

[3/] "t" indicates only a trace amount (<0.1 acre) of disturbance

Table D.16-2. Potential Construction Disturbance (in Acres per Risk Rank) In Areas of Flood Hazard Risk

			Flood Hazard Rank		
			0 to 69	**70 to 84**	**85 to 100**
Segment Number	**Revised Proposed Routes, Other Routes, and Route Variations**	**Segment Length in Miles**	**Low Risk**	**Moderate Risk**	**High Risk**
8	Revised Proposed Route	129.7	1,868	36	367
	Proposed – Existing 500-kV Removal[1/]	1.1	6		3
	Route 8G	146.9	2,258	193	301
	Route 8H	137.5	2,123	74	320
	Route 8H – Existing 138-kV Removal	25.7	35	3	10
	Route 8H – Existing 500-kV Removal	1.9	10		
9	Revised Proposed Route	165.3	2,591	232	325
	Proposed – Existing 138-kV Removal[1/]	25.7	35	3	10
	Segment 9 FEIS Proposed Route	162.2	2,658	258	368
	Route 9K	174.6	2,716	350	317
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7	113	14	50
	Toana Road Variation 1	8.5	131	5	32
	Toana Road Variation 1-A	8.9	123	5	35

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.16-3. Potential Operations (in Acres per Risk Rank) Disturbance In Areas of Flood Hazard Risk

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Flood Hazard Rank		
			0 to 69	70 to 84	85 to 100
			Low Risk	Moderate Risk	High Risk
8	Revised Proposed Route	129.7	209	5	29
	Route 8G	146.9	276	20	36
	Route 8H	137.5	219	5	32
9	Revised Proposed Route	165.3	296	21	32
	Segment 9 FEIS Proposed Route	162.2	298	25	37
	Route 9K	174.6	353	36	37
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7	13	1	2
	Toana Road Variation 1	8.5	13	1	1
	Toana Road Variation 1-A	8.9	8	1	2

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

Table D.16-5. Surface Water Diversions Within One-Half Mile Buffer of Transmission Lines

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Surface Water Diversions
8	Revised Proposed Route	129.7	261
	Proposed – Existing 500-kV Removal[1/]	1.1	1
	Route 8G	146.9	363
	Route 8H	137.5	359
	Route 8H – Existing 138-kV Removal	25.7	86
	Route 8H – Existing 500-kV Removal	1.9	2
9	Revised Proposed Route	165.3	337
	Proposed – Existing 138-kV Removal[1/]	25.7	86
	Segment 9 FEIS Proposed Route	162.2	403
	Route 9K	174.6	332
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7	5
	Toana Road Variation 1	8.5	5
	Toana Road Variation 1-A	8.9	5

Source: IDWR
Note:
[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.16-6. Number of Surface Water Road Crossings by Stream Type

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Perennial			Intermittent - Wet		Intermittent - Dry			Ephemeral			Artificial[1/]			Total					
			Non-listed	Sediment-Impaired	Temperature - Impaired	Non-listed	Sediment-Impaired	Non-listed	Sediment-Impaired	Temperature - Impaired	Non-listed	Sediment-Impaired	Temperature - Impaired	Non-listed	Sediment-Impaired	Temperature - Impaired	Stream Crossings[2/]	Percent Ephemeral, Non-listed	Sediment-Impaired	Percent of SI to total crossings	Temperature-Impaired	Percent of TI to Total Crossings
8	Revised Proposed Route	129.7	8				1	19			128	11	3	36	1		204	62.7%	13	6.4%	3	1.5%
	Route 8G	146.9	5				1		1	1	120	9	1	12			149	80.5%	11	7.4%	2	1.3%
	Route 8H	137.5	3								87	14		11			115	75.7%	14	12.2%		
9	Revised Proposed Route	165.3	1			11		17	5		104	16	4	14			172	60.5%	21	12.2%	4	2.3%
	Segment 9 FEIS Proposed Route	162.2	5			15		17	5	1	188	14	4	71	1		319	58.9%	20	6.3%	5	1.6%
	Route 9K	174.6	3			11	1	17	6	1	165	12	5	17			237	69.6%	19	8.0%	6	2.5%
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7									10			3			13	76.9%				
	Toana Road Variation 1	8.5									13			2			15	86.7%				
	Toana Road Variation 1-A	8.9									8			2			10	80.0%				

Notes: Blank cells indicate null value

SI = sediment-impaired; TI = temperature-impaired

Source: DEQ

[1/] Artificial = pipe, aqueduct, canal, drain, ditch or artificial path (natural stream channelized into pipe, ditch or culvert)

[2/] Total stream crossings may not add up because some streams are both sediment- AND temperature-impaired and are therefore counted twice

Table D.16-7. Potential Construction Disturbance (in Acres per Depth Range) in Areas Containing Shallow Groundwater

Segment Number	Revised Proposed Routes and Other Routes	Segment Length in Miles	Depth to Groundwater					Total Acres
			1 to 4 feet	4 to 7 feet	7 to 10 feet	10 to 14 feet	14+ feet	
8	Revised Proposed Route	129.7	1					1
	Route 8G	146.9	5					5
	Route 8H	137.5	<1					<1
9	Revised Proposed Route	165.3	4					4
	Segment 9 FEIS Proposed Route	162.2	53					53
	Route 9K	174.6	9					9

Source: STATSGO

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

Table D.16-8. Potential Operations Disturbance (in Acres per Depth Range) in Areas Containing Shallow Groundwater

Segment Number	Revised Proposed Routes and Other Routes	Segment Length in Miles	Depth to Groundwater					Total Acres
			1 to 4 feet	4 to 7 feet	7 to 10 feet	10 to 14 feet	14+ feet	
8	Revised Proposed Route	129.7	<1					<1
	Route 8G	146.9	1					1
	Route 8H	137.5	<1					<1
9	Revised Proposed Route	165.3	<1					<1
	Segment 9 FEIS Proposed Route	162.2	3					3
	Route 9K	174.6	1					1

Source: STATSGO

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly

Blank cells indicate zero acres or null value

Table D.16-10. Potable Water Wells within One-Half Mile of Transmission Lines

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length (Miles)	Potable Water Wells
8	Revised Proposed Route	129.7	47
	Proposed – Existing 500-kV Removal[1/]	1.1	1
	Route 8G	146.9	41
	Route 8H	137.5	43
	Route 8H – Existing 138-kV Removal	25.7	
	Route 8H – Existing 500-kV Removal	1.9	1
9	Revised Proposed Route	165.3	15
	Proposed – Existing 138-kV Removal[1/]	25.7	
	Segment 9 FEIS Proposed Route	162.2	26
	Route 9K	174.6	13
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7	
	Toana Road Variation 1	8.5	
	Toana Road Variation 1-A	8.9	

Source: IDWR

Notes: This data contains 7 wells which are within both Segment 8 and Segment 9 analysis areas and are therefore counted twice. The total number of wells is 71, not 78.

Blank cells indicate zero miles or null value

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.16-11. Miles of the Eastern Snake River Plain Aquifer Crossed by Proposed Routes and Other Routes

Segment Number	Revised Proposed Routes and Other Routes	Segment Length (Miles)	River Plain Aquifer Crossed
8	Revised Proposed Route	129.7	42.3
	Route 8G	146.9	24.3
	Route 8H	137.5	24.3
9	Revised Proposed Route	165.3	8.4
	Segment 9 FEIS Proposed Route	162.2	8.4
	Route 9K	174.6	8.4

Notes: Mileages have been rounded to the nearest tenth of a mile; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero miles or null value

Table D.16-12. Estimated Transmission Line Construction Water Requirements per Segment

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length (Miles)	Total Water Requirement (gallons)	Total Water Requirement (acre-feet)	Construction Period (days)
8	Revised Proposed Route	129.7	3,750,215	11.5	429
	Proposed – Existing 500-kV Removal[1/]	1.1	32,806	0.1	4
	Route 8G	146.9	4,250,436	13.1	486
	Route 8G – Existing 500-kV Removal	1.9	54,938	0.2	6
	Route 8H	137.5	3,920,811	12.0	449
	Route 8H – Existing 138-kV Removal	25.7	743,104	2.3	85
	Route 8H – Existing 500-kV Removal	1.9	54,938	0.2	6
9	Revised Proposed Route	165.3	4,779,572	14.7	547
	Proposed – Existing 138-kV Removal[1/]	25.7	743,103	2.3	85
	Segment 9 FEIS Proposed Route	162.2	4,689,937	14.4	536
	Route 9K	174.6	5,048,477	15.5	578
	Proposed – Comparison Portion for Toana Road Variations 1/1-A	8.7	251,556	0.8	29
	Toana Road Variation 1	8.5	245,774	0.8	28
	Toana Road Variation 1-A	8.9	257,339	0.8	29

Note:
[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.16-13. TMDL and 303(d) listed Streams in the Analysis Area

		TMDL Listed		303(d) Listed	
Segment	**Stream Name**	**Sediment**	**Temperature**	**Sediment**	**Temperature**
Segment 8 Revised Proposed Route	Clover Creek				X
	Cold Springs Creek	X			
	Little Canyon Creek	X			
	Little Canyon Creek Tributary 1	X			
	Malad River	X			
	Pioneer Reservoir				X
	Sand Creek			X	
	Sand Creek Tributary 1			X	X
	Sand Creek Tributary 2			X	X
	Sand Creek Tributary 3			X	
	Sand Creek Tributary 4			X	
	Sand Creek Tributary 5			X	
	Sand Creek Tributary 6			X	
	Sand Creek Tributary 7			X	
	Sand Creek Tributary 8			X	
	Snake River				X
	South Gooding Main Canal	X			
Route 8G	Birch Creek Tributary 10			X	
	Birch Creek Tributary 7			X	
	Birch Creek Tributary 8			X	
	Birch Creek Tributary 9			X	
	Castle Creek Tributary 2		X		
	Castle Creek Tributary 3		X		
	Castle Creek Tributary 4		X		
	Castle Creek Tributary 5		X		
	Castle Creek Tributary 6		X		
	Birch Creek Tributary 5			X	
	Birch Creek Tributary 6			X	
	Browns Creek			X	
	Bruneau River				X
	Castle Creek	X	X		
	Catherine Creek	X			
	Deadman Creek			X	
	Deadman Creek Tributary 10			X	
	Deadman Creek Tributary 15			X	
	Deadman Creek Tributary 18			X	
	Deadman Creek Tributary 5			X	
	Jacks Creek	X			X
	Poison Creek			X	
	Sailor Creek			X	
	Sailor Creek Tributary 1			X	
	Sailor Creek Tributary 2			X	
	Sailor Creek Tributary 3			X	
	Sinker Creek	X	X		

Table D.16-13. TMDL and 303(d) listed Streams in the Analysis Area cont.

		TMDL Listed		303(d) Listed	
Segment	**Stream Name**	**Sediment**	**Temperature**	**Sediment**	**Temperature**
Route 8H	Browns Creek			X	
	Corder Creek Tributary 1			X	
	Corder Creek Tributary 2			X	
	Corder Creek Tributary 3			X	
	Corder Creek Tributary 4			X	
	Corder Creek Tributary 5			X	
	Corder Creek Tributary 6			X	
	Corder Creek Tributary 7			X	
	Deadman Creek			X	
	Deadman Creek Tributary 10			X	
	Deadman Creek Tributary 15			X	
	Deadman Creek Tributary 18			X	
	Deadman Creek Tributary 5			X	
	Jack Creek			X	
	Rabbit Creek			X	
	Rabbit Creek Tributary 1			X	
	Sailor Creek			X	
	Sailor Creek Tributary 1			X	
	Sailor Creek Tributary 2			X	
	Sailor Creek Tributary 3			X	
	Snake River				X
Route 8H – Existing 138-kV Removal	Corder Creek Tributary 1			X	
	Corder Creek Tributary 2			X	
	Corder Creek Tributary 4			X	
	Corder Creek Tributary 6			X	
	Corder Creek Tributary 7			X	
	Rabbit Creek			X	
	Rabbit Creek Tributary 1			X	

Table D.16-13. TMDL and 303(d) listed Streams in the Analysis Area cont.

		TMDL Listed		303(d) Listed	
Segment	**Stream Name**	**Sediment**	**Temperature**	**Sediment**	**Temperature**
Segment 9 Revised Proposed Route	Browns Creek			X	
	Corder Creek Tributary 1			X	
	Corder Creek Tributary 2			X	
	Corder Creek Tributary 3			X	
	Corder Creek Tributary 4			X	
	Corder Creek Tributary 5			X	
	Corder Creek Tributary 6			X	
	Corder Creek Tributary 7			X	
	Cottonwood Creek Tributary 1	X			X
	Deadman Creek			X	
	Deadman Creek Tributary 1			X	
	Deadman Creek Tributary 10			X	
	Deadman Creek Tributary 11			X	
	Deadman Creek Tributary 12			X	
	Deadman Creek Tributary 13			X	
	Deadman Creek Tributary 14			X	
	Deadman Creek Tributary 15			X	
	Deadman Creek Tributary 16			X	
	Deadman Creek Tributary 17			X	
	Deadman Creek Tributary 18			X	
	Deadman Creek Tributary 2			X	
	Deadman Creek Tributary 3			X	
	Deadman Creek Tributary 4			X	
	Deadman Creek Tributary 5			X	
	Deadman Creek Tributary 6			X	
	Deadman Creek Tributary 7			X	
	Deadman Creek Tributary 8			X	
	Deadman Creek Tributary 9			X	
	Devil Creek		X		
	Jack Creek			X	
	McMullen Creek				X
	McMullen Creek Tributary 1				X
	McMullen Creek Tributary 2				X
	McMullen Creek Tributary 3				X
	McMullen Creek Tributary 6				X
	McMullen Creek Tributray 4				X
	McMullen Creek Tributray 5				X
	Rabbit Creek			X	
	Rabbit Creek Tributary 1			X	
	Sailor Creek			X	
	Sailor Creek Tributary 1			X	
	Sailor Creek Tributary 2			X	
	Sailor Creek Tributary 3			X	
	Salmon Falls Creek		X		
	Snake River				X
Proposed – Existing 138-kV Removal[1/]	Corder Creek Tributary 1			X	
	Corder Creek Tributary 2			X	
	Corder Creek Tributary 4			X	
	Corder Creek Tributary 6			X	
	Corder Creek Tributary 7			X	
	Rabbit Creek			X	
	Rabbit Creek Tributary 1			X	

Table D.16-13. TMDL and 303(d) listed Streams in the Analysis Area cont.

		TMDL Listed		303(d) Listed	
Segment	**Stream Name**	**Sediment**	**Temperature**	**Sediment**	**Temperature**
Segment 9 FEIS Proposed Route	Browns Creek			X	
	Bruneau River				X
	Castle Creek	X	X		
	Castle Creek	X	X		
	Castle Creek Tributary 2		X		
	Catherine Creek	X			
	Cottonwood Creek Tributary 1	X			X
	Deadman Creek			X	
	Deadman Creek Tributary 1			X	
	Deadman Creek Tributary 10			X	
	Deadman Creek Tributary 11			X	
	Deadman Creek Tributary 12			X	
	Deadman Creek Tributary 13			X	
	Deadman Creek Tributary 14			X	
	Deadman Creek Tributary 15			X	
	Deadman Creek Tributary 16			X	
	Deadman Creek Tributary 17			X	
	Deadman Creek Tributary 18			X	
	Deadman Creek Tributary 2			X	
	Deadman Creek Tributary 3			X	
	Deadman Creek Tributary 4			X	
	Deadman Creek Tributary 5			X	
	Deadman Creek Tributary 6			X	
	Deadman Creek Tributary 7			X	
	Deadman Creek Tributary 8			X	
	Deadman Creek Tributary 9			X	
	Devil Creek		X		
	Jacks Creek	X			X
	McMullen Creek				X
	McMullen Creek Tributary 1				X
	McMullen Creek Tributary 2				X
	McMullen Creek Tributary 3				X
	McMullen Creek Tributary 4				X
	McMullen Creek Tributary 5				X
	McMullen Creek Tributary 6				X
	Pickett Creek	X			
	Sailor Creek			X	
	Sailor Creek Tributary 1			X	
	Sailor Creek Tributary 2			X	
	Sailor Creek Tributary 3			X	
	Salmon Falls Creek		X		
	Sinker Creek	X	X		
	South Side Canal				X
	Sugar Valley Wash	X			

Table D.16-13. TMDL and 303(d) listed Streams in the Analysis Area cont.

		TMDL Listed		303(d) Listed	
Segment	**Stream Name**	**Sediment**	**Temperature**	**Sediment**	**Temperature**
Route 9K	Birch Creek Tributary 10			X	
	Birch Creek Tributary 7			X	
	Birch Creek Tributary 8			X	
	Birch Creek Tributary 9			X	
	Castle Creek Tributary 2		X		
	Castle Creek Tributary 3		X		
	Castle Creek Tributary 4		X		
	Castle Creek Tributary 5		X		
	Castle Creek Tributary 6		X		
	Birch Creek Tributary 5			X	
	Birch Creek Tributary 6			X	
	Browns Creek			X	
	Bruneau River				X
	Castle Creek	X	X		
	Catherine Creek	X			
	Cottonwood Creek Tributary 1	X			X
	Deadman Creek			X	
	Deadman Creek Tributary 1			X	
	Deadman Creek Tributary 10			X	
	Deadman Creek Tributary 11			X	
	Deadman Creek Tributary 12			X	
	Deadman Creek Tributary 13			X	
	Deadman Creek Tributary 14			X	
	Deadman Creek Tributary 15			X	
	Deadman Creek Tributary 16			X	
	Deadman Creek Tributary 17			X	
	Deadman Creek Tributary 18			X	
	Deadman Creek Tributary 2			X	
	Deadman Creek Tributary 3			X	
	Deadman Creek Tributary 4			X	
	Deadman Creek Tributary 5			X	
	Deadman Creek Tributary 6			X	
	Deadman Creek Tributary 7			X	
	Deadman Creek Tributary 8			X	
	Deadman Creek Tributary 9			X	
	Devil Creek		X		
	McMullen Creek				X
	McMullen Creek Tributary 1				X
	McMullen Creek Tributary 2				X
	McMullen Creek Tributary 3				X
	McMullen Creek Tributary 4				X
	McMullen Creek Tributary 5				X
	McMullen Creek Tributary 6				X
	Poison Creek			X	
	Sailor Creek			X	
	Sailor Creek Tributary 1			X	
	Sailor Creek Tributary 2			X	
	Sailor Creek Tributary 3			X	
	Salmon Falls Creek		X		
	Sinker Creek	X	X		
Proposed – Comparison portion for Toana Road Variations 1/1-A	Devil Creek		X		
Toana Road Variation 1	Devil Creek		X		
Toana Road Variation 1-A	Devil Creek		X		

Note:
[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.16-14. Acreage Comparison of Construction Related Stream Impacts

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length (Miles)	Within 500 feet of Perennial and Intermittent Streams		Within 100 feet of Ephemeral Streams		Within 500 feet of TMDL and 303(d) Listed - Sediment Streams		Total
			Disturbed Acres	% of Total Disturbance Area	Disturbed Acres	% of Total Disturbance Area	Disturbed Acres	% of Total Disturbance Area	Disturbed Acres
8	Revised Proposed Route	129.7	78	3.4%	109	4.8%	48	2.1%	2,271
	Proposed - Existing 500-kV Removal[1/]	1.1							9
	Route 8G	146.9	66	2.4%	86	3.1%	78	2.8%	2,752
	Route 8H	137.5	22	0.9%	57	2.2%	85	3.4%	2,525
	Route 8H – Existing 138-kV Removal	25.7			1	1.8%	2	4.8%	48
	Route 8H – Existing 500-kV Removal	1.9			<1	3.2%			10
9	Revised Proposed Route	165.3	147	4.7%	87	2.8%	105	3.3%	3,149
	Proposed – Existing 138-kV Removal[1/]	25.7			1	1.8%	2	4.8%	48
	Segment 9 FEIS Proposed Route	162.2	171	5.2%	89	2.7%	90	2.7%	3,294
	Route 9K	174.6	188	5.5%	100	2.9%	98	2.9%	3,383
	Proposed - Comparison portion for Toana Road Variations 1/1-A	8.7			4	2.3%			177
	Toana Road Variation 1	8.5			8	4.7%			168
	Toana Road Variation 1-A	8.9			17	10.6%			163

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero acres or null value
Acreages for TMDL and 303(d) listed streams overlap with perennial, intermittent, and ephemeral disturbance acres and are not included in the total disturbed acres column

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.16-15. Acreage Comparison of Operations Disturbance to Stream Buffers

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length (Miles)	Within 500 feet of Perennial and Intermittent Streams		Within 100 feet of Ephemeral Streams		Within 500 feet of TMDL and 303(d) Listed - Sediment Streams		Total Disturbed Acres
			Disturbed Acres	% of Total Disturbance Area	Disturbed Acres	% of Total Disturbance Area	Disturbed Acres	% of Total Disturbance Area	
8	Revised Proposed Route	129.7	11	4.5%	11	4.7%	4	1.7%	243
	Proposed - Existing 500-kV Removal[1/]	1.1							<1
	Route 8G	146.9	8	2.4%	15	4.6%	7	2.2%	332
	Route 8H	137.5	2	1.0%	10	4.1%	8	2.9%	256
9	Revised Proposed Route	165.3	19	5.4%	13	3.7%	11	3.2%	350
	Proposed – Existing 138-kV Removal[1/]	25.7							
	Segment 9 FEIS Proposed Route	162.2	21	5.8%	17	4.8%	10	2.7%	360
	Route 9K	174.6	24	5.7%	17	4.1%	11	2.7%	425
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7			<1	3.0%			16
	Toana Road Variation 1	8.5			1	5.5%			16
	Toana Road Variation 1-A	8.9			<1	4.4%			11

Notes: Acreages have been rounded to the nearest whole acre; therefore, numbers are inexact and columns/rows may not sum exactly
Blank cells indicate zero acres or null value
Acreages for TMDL and 303(d) listed streams overlap with perennial, intermittent, and ephemeral disturbance acres and are not included in the total disturbed acres column
[1/] "t" indicates only a trace amount (<0.1 acre) of occupancy

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Segment 8 Revised Proposed Route	1.5	Pivot	N	343
	1.7	Pivot	N	191
	1.9 - 2.5	Pivot	Crossed	Crossed
	2.1	Pivot	N	236
	2.2	Pivot	S	712
	2.5	Pivot	N	223
	2.6	Pivot	S	761
	2.7 - 3.5	Pivot	Crossed	Crossed
	3.7 - 4.1	Pivot	Crossed	Crossed
	2.8	Pivot	N	35
	2.9	Pivot	NE	8
	2.9	Pivot	N	249
	3.2	Pivot	N	148
	3.4	Pivot	N	251
	3.5	Residence	SW	196
	3.6	CAFO or Animal Pen	S	392
	3.6	Pivot	S	620
	3.7	Pivot	S	439
	3.7	Residence	S	643
	3.8	Pivot	N	410
	4.1	Pivot	NE	332
	14.8	Residence	SW	967
	14.9	Building or Other Structure	N	919
	14.9	Residence	N	981
	15.2	Pivot	S	415
	15.5	Pivot	N	505
	15.5	Pivot	S	624
	15.8	Residence	N	764
	15.9	Building or Other Structure	N	881
	16.2	Residence	NE	757
	16.5	CAFO or Animal Pen	N	171
	16.6 - 16.7	Pivot	Crossed	Crossed
	16.7	Pivot	N	267
	16.8	Residence	S	257
	16.9	Building or Other Structure	NE	408
	16.9	Building or Other Structure	NE	463
	16.9	Building or Other Structure	NE	521
	16.9	Building or Other Structure	NE	495
	16.9	Residence	NE	572
	17	Building or Other Structure	E	148
	17	Pivot	S	7
	17	Residence	E	283
	17.2	Pivot	N	609
	17.2	Residence	S	401
	17.3	Building or Other Structure	SW	798
	17.3	Building or Other Structure	SW	986
	17.3	Building or Other Structure	SW	744
	17.3	Building or Other Structure	S	954
	17.3	Building or Other Structure	S	606
	17.3	Building or Other Structure	S	754
	17.3	Building or Other Structure	S	932
	17.3	Building or Other Structure	S	559

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Segment 8 Revised Proposed Route (cont.)	17.3	Building or Other Structure	S	754
	17.3	CAFO or Animal Pen	SW	627
	17.3	Residence	SW	535
	17.4	Building or Other Structure	SW	980
	17.4	Building or Other Structure	S	886
	17.4	Building or Other Structure	S	780
	17.5	Residence	SW	826
	17.5 - 17.8	State Endowment Land	Crossed	Crossed
	17.6	Building or Other Structure	S	861
	17.6	Pivot	N	615
	17.6	Pivot	S	883
	17.7	Building or Other Structure	N	659
	17.8	Building or Other Structure	NE	614
	17.8	Building or Other Structure	N	589
	18.4	Pivot	SW	789
	18.7	Pivot	NE	178
	18.9	Pivot	SW	335
	19.2	Building or Other Structure	SW	876
	19.2	Building or Other Structure	S	745
	19.2	Building or Other Structure	S	826
	19.2	Residence	S	654
	19.3	Pivot	N	422
	19.8 - 20.0	Pivot	Crossed	Crossed
	19.9	Pivot	NE	167
	20.2	Pivot	E	29
	20.2	Pivot	S	397
	20.3 - 20.4	Pivot	Crossed	Crossed
	20.6 - 21.1	Pivot	Crossed	Crossed
	20.9	Pivot	NE	264
	21	Pivot	NE	298
	21.4	Pivot	N	349
	21.4 - 21.9	Pivot	Crossed	Crossed
	21.6	Pivot	SW	188
	22.1	Building or Other Structure	NE	700
	22.1	Building or Other Structure	NE	684
	22.1	Residence	NE	560
	22.3	Building or Other Structure	NE	440
	22.3	Pivot	SW	391
	22.4	Building or Other Structure	NE	751
	22.4	CAFO or Animal Pen	NE	772
	22.4	Residence	NE	724
	22.4 - 22.5	Pivot	Crossed	Crossed
	22.5	Building or Other Structure	NE	849
	22.6	Pivot	NE	583
	22.6	Pivot	SW	171
	22.7 - 23.1	Pivot	Crossed	Crossed
	23	Pivot	SW	198
	23.5	Building or Other Structure	SW	867
	23.6	Building or Other Structure	SW	947
	23.9 - 24.0	Pivot	Crossed	Crossed
	24.2	Pivot	SW	213
	26.7	North Alternate Oregon Trail	Crossed	Crossed

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Segment 8 Revised Proposed Route (cont.)	27.8	Pivot	SW	152
	28.1	Pivot	SW	279
	28.3	Building or Other Structure	SW	359
	28.3	Residence	SW	342
	28.4	Building or Other Structure	SW	510
	28.5 - 28.9	Pivot	Crossed	Crossed
	29	Pivot	SW	236
	29.2	Building or Other Structure	W	262
	29.3	Building or Other Structure	S	318
	29.3	Pivot	SW	558
	29.7	Pivot	S	470
	30.1	Pivot	S	406
	30.6	Pivot	S	503
	31.1	Pivot	S	542
	31.6	Pivot	S	597
	32.1	Pivot	S	386
	32.7	Pivot	S	844
	33.1	Pivot	S	804
	35.4	North Alternate Oregon Trail	Crossed	Crossed
	36.8	Pivot	SW	380
	43	Pivot	S	353
	43.2 - 44.2	State Endowment Land	Crossed	Crossed
	43.5	Pivot	S	591
	43.9	Pivot	S	567
	45.3 - 57.1	MUA-3 Lower Bennett	Crossed	Crossed
	46.8 - 47.3	Oregon Trail Rutted Segments	Crossed	Crossed
	47.1	North Alternate Oregon Trail	Crossed	Crossed
	49.3 - 50.3	State Endowment Land	Crossed	Crossed
	50.1 - 50.4	Oregon Trail Rutted Segments	Crossed	Crossed
	50.3	North Alternate Oregon Trail	Crossed	Crossed
	52.7	Residence	SW	171
	53.1	Building or Other Structure	SW	881
	53.1	Building or Other Structure	SW	776
	53.8	Wind Turbine	SW	459
	53.9	Wind Turbine	NE	457
	55.7	Wind Turbine	N	900
	55.7	Wind Turbine	W	143
	55.7	Wind Turbine	S	881
	55.8 - 56.3	Oregon Trail Rutted Segments	Crossed	Crossed
	56.1	Oregon NHT	Crossed	Crossed
	57.4 - 61.2	State Endowment Land	Crossed	Crossed
	59.1	Dam	SW	460
	65.7 - 67.7	Snake River Birds of Prey IBA	Crossed	Crossed
	65.7 - 67.7	Snake River Birds of Prey NCA	Crossed	Crossed
	72.0 - 72.7	State Endowment Land	Crossed	Crossed
	75.7 - 77.1	State Endowment Land	Crossed	Crossed
	80.3 - 81.1	State Endowment Land	Crossed	Crossed
	83.8 - 84.1	LEPA MA 8	Crossed	Crossed
	83.9	Dam	SW	109
	84.8 - 85.2	State Endowment Land	Crossed	Crossed
	85.8 - 89.7	LEPA MA 8	Crossed	Crossed
	91.0 - 97.7	Orchard Combat Training Center MOA	Crossed	Crossed

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Segment 8 Revised Proposed Route (cont.)	94.0 - 99.7	LEPA MA 8B	Crossed	Crossed
	99.7 - 118.7	Snake River Birds of Prey NCA	Crossed	Crossed
	99.7 - 118.7	Snake River Birds of Prey IBA	Crossed	Crossed
	100.2 - 101.2	State Endowment Land	Crossed	Crossed
	106.2 - 107.2	State Endowment Land	Crossed	Crossed
	107.7 - 108.4	Orchard Combat Training Center - Alpha Sector	Crossed	Crossed
	107.7 - 108.4	Orchard Combat Training Center MOA	Crossed	Crossed
	108.4	Pivot	N	90
	117.3 - 117.4	Pivot	Crossed	Crossed
	117.8	Pivot	NW	799
	117.9 - 118.0	Pivot	Crossed	Crossed
	118.2	Pivot	NW	546
	118.2	CAFO or Animal Pen	Crossed	Crossed
	118.3	Building or Other Structure	NW	622
	118.3	Residence	NW	709
	118.4	Residence	N	830
	118.5	Pivot	S	499
	118.5 - 118.6	Pivot	Crossed	Crossed
	118.9	Building or Other Structure	N	818
	118.9	Building or Other Structure	N	784
	118.9	Residence	N	830
	119.2	Pivot	N	975
	119.3	Building or Other Structure	S	988
	119.3	Building or Other Structure	S	866
	119.4	Building or Other Structure	S	805
	119.4	Building or Other Structure	S	850
	119.4	Building or Other Structure	S	874
	119.4	CAFO or Animal Pen	N	831
	119.4	CAFO or Animal Pen	S	745
	119.4	CAFO or Animal Pen	S	888
	119.4	Residence	N	425
	119.4	Residence	S	608
	120.1	Pivot	N	610
	120.7 - 122.5	Snake River Canyon SRMA	Crossed	Crossed
	120.7 - 123.7	Snake River Birds of Prey IBA	Crossed	Crossed
	120.7 - 123.7	Snake River Birds of Prey NCA	Crossed	Crossed
	121.5	CAFO or Animal Pen	N	962
	122.4	State Endowment Land	Crossed	Crossed
	122.5 - 122.8	Deer Flat NWR	Crossed	Crossed
	122.7 - 122.9	Oregon Trail SRMA	Crossed	Crossed
	122.7	Building or Other Structure	SE	944
	122.8	Oregon NHT	Crossed	Crossed
	123.1 - 123.7	Owyhee Front SRMA	Crossed	Crossed
	123.1 - 128.0	Black Mountain HMA	Crossed	Crossed
	123.7	Residence	NE	968
	123.9	Building or Other Structure	N	959
	123.9	Building or Other Structure	N	886
	126.4	Park or Recreation Area	NE	841
	127.8	Building or Other Structure	W	748
	127.8	Building or Other Structure	W	563
	127.8	Residence	W	786
	127.9	Building or Other Structure	W	983

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Segment 8 Revised Proposed Route (cont.)	127.9	Building or Other Structure	W	845
	127.9	Building or Other Structure	W	967
	127.9	Building or Other Structure	W	737
	127.9	Building or Other Structure	W	444
	127.9	Building or Other Structure	W	753
	127.9	Building or Other Structure	W	870
	127.9	Building or Other Structure	W	682
	127.9	Residence	W	971
	127.9	Residence	W	450
	127.9	Residence	W	955
	127.9	Residence	W	987
	127.9	Residence	W	841
	128	Building or Other Structure	NW	598
	128	Residence	W	702
	128.1	Building or Other Structure	E	373
	128.1	Building or Other Structure	W	981
	128.1	Building or Other Structure	W	882
	128.1	Building or Other Structure	W	979
	128.1	Building or Other Structure	SE	467
	128.1	Building or Other Structure	SE	337
	128.1	Building or Other Structure	SE	408
	128.1	Building or Other Structure	E	960
	128.1	Residence	W	986
	128.1	Residence	W	979
	128.1	Residence	E	995
	128.1	Residence	E	355
	128.2	Building or Other Structure	E	397
	128.2	Building or Other Structure	E	461
	128.2	Building or Other Structure	E	763
	128.2	Residence	E	828
	128.2	Residence	E	524
	128.3	Building or Other Structure	SW	629
	128.3	Building or Other Structure	SW	617
	128.3	Building or Other Structure	SW	524
	128.3	Residence	SW	528
	128.4	CAFO or Animal Pen	SW	887
Segment 8 Proposed - Existing 500-kV Removal[1/]	107.5 - 108.6	Snake River Birds of Prey NCA	Crossed	Crossed
	107.9 - 108.1	Pivot	Crossed	Crossed
Route 8G	0	Pivot	S	574
	0.0 - 1.9	MUA-7 Saylor Creek East	Crossed	Crossed
	0.4	Pivot	S	705
	1.6	Pivot	N	378
	1.8	Pivot	N	406
	1.8 - 2.3	Pivot	Crossed	Crossed
	2.2	Pivot	N	813
	2.3	Pivot	S	47
	2.5 - 3.0	Pivot	Crossed	Crossed
	2.6	Pivot	S	288
	3	Pivot	S	278
	3.2 - 3.5	Pivot	Crossed	Crossed
	3.4	Pivot	S	235
	3.7 - 3.8	Pivot	Crossed	Crossed

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Route 8G (cont.)	3.8	Pivot	S	373
	4	Building or Other Structure	W	234
	4	Building or Other Structure	W	244
	4	Building or Other Structure	SW	442
	4	Building or Other Structure	S	394
	4	Building or Other Structure	S	414
	4	Pivot	N	455
	4.1	Building or Other Structure	SE	215
	5.5	Pivot	S	897
	8.3 - 9.3	State Endowment Land	Crossed	Crossed
	14.4 - 19.4	State Endowment Land	Crossed	Crossed
	15.2 - 15.5	Pivot	Crossed	Crossed
	15.4	Pivot	S	856
	15.6	Pivot	N	658
	16.2	Pivot	N	537
	16.4	Pivot	N	595
	17.4	Pivot	N	402
	19.8 - 20.0	Pivot	Crossed	Crossed
	20.4	Pivot	N	523
	20.6	Building or Other Structure	N	611
	20.6	Building or Other Structure	N	657
	20.6	Residence	N	352
	20.7	Building or Other Structure	NE	585
	20.7	Pivot	S	743
	20.8	North Side Alternate Trail	Crossed	Crossed
	20.8	Pivot	N	565
	21	Pivot	N	474
	21.1	Building or Other Structure	N	190
	21.1	Building or Other Structure	N	368
	21.1	Building or Other Structure	N	279
	21.1	Residence	N	388
	21.1	Residence	S	543
	21.2	Residence	N	676
	21.4	Pivot	N	559
	21.4	Pivot	S	669
	21.5	Pivot	N	539
	21.6	Building or Other Structure	S	444
	21.6	Building or Other Structure	S	875
	21.6	Building or Other Structure	S	812
	21.6	Building or Other Structure	S	872
	21.6	CAFO or Animal Pen	S	577
	21.6	Residence	S	939
	21.7	Building or Other Structure	N	953
	21.7	Pivot	SE	41
	21.7	Residence	N	953
	21.9	Building or Other Structure	N	798
	21.9	Building or Other Structure	N	771
	21.9	CAFO or Animal Pen	NW	61
	21.9	Pivot	N	513
	21.9	Residence	NE	314
	21.9	Residence	N	629
	22	Building or Other Structure	NE	281

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Route 8G (cont.)	22	Building or Other Structure	N	270
	22	Building or Other Structure	N	297
	22	Building or Other Structure	N	255
	22	Residence	N	401
	22.1	Pivot	SW	377
	22.2	Building or Other Structure	N	861
	22.3	Building or Other Structure	N	593
	22.3	Building or Other Structure	N	579
	22.3	Building or Other Structure	SW	458
	22.3	CAFO or Animal Pen	S	381
	22.3	Residence	N	584
	22.4	Building or Other Structure	NE	656
	22.4	Building or Other Structure	N	612
	22.4	Building or Other Structure	SE	466
	22.4	Residence	S	578
	22.5	Building or Other Structure	N	942
	22.6	Residence	NE	795
	22.6	Residence	N	471
	22.7	Building or Other Structure	NE	739
	22.7	Building or Other Structure	N	270
	22.7	Building or Other Structure	N	369
	22.7	North Alternate Oregon Trail	Crossed	Crossed
	22.7	Residence	NE	328
	22.7	Residence	N	349
	22.8	Building or Other Structure	N	342
	23	Residence	NE	366
	23.1	Building or Other Structure	N	973
	23.1	Building or Other Structure	N	867
	23.1	Residence	N	419
	23.1	Residence	N	970
	23.2	Residence	S	728
	23.2 - 23.4	Pivot	Crossed	Crossed
	23.6	Building or Other Structure	SW	685
	23.7	Building or Other Structure	NW	301
	23.7	Building or Other Structure	W	251
	23.7	Residence	S	982
	23.7	Residence	S	756
	23.8	Building or Other Structure	NE	191
	23.8	Residence	NE	311
	23.8	Residence	N	698
	23.8	Residence	S	499
	23.9	Building or Other Structure	N	733
	23.9 - 24.0	Pivot	Crossed	Crossed
	24.1	Building or Other Structure	S	974
	24.1	Pivot	N	305
	24.2	Building or Other Structure	SW	862
	24.2 - 25.0	MUA-8 Hagerman Fossil Beds	Crossed	Crossed
	24.3	Building or Other Structure	N	457
	24.4	Building or Other Structure	NE	831
	24.4	Building or Other Structure	NE	936
	25.0 - 52.5	MUA-7 Saylor Creek East	Crossed	Crossed
	26.8	Building or Other Structure	N	497

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Route 8G (cont.)	26.8	Building or Other Structure	NW	303
	26.9	Building or Other Structure	NE	440
	26.9	Wind Turbine	N	537
	27.9	Building or Other Structure	N	347
	27.9	Building or Other Structure	NW	295
	28	Building or Other Structure	NE	221
	28	Building or Other Structure	NW	233
	28	Residence	NW	223
	28.1	Building or Other Structure	NE	208
	29	Wind Turbine	S	895
	33.3	Oregon NHT	Crossed	Crossed
	33.3 - 33.6	Oregon Trail SRMA	Crossed	Crossed
	34.0 - 35.0	State Endowment Land	Crossed	Crossed
	38.2 - 45.0	Saylor Creek HMA	Crossed	Crossed
	40.0 - 41.0	State Endowment Land	Crossed	Crossed
	41	Gravel Pit	S	538
	48.6 - 48.9	Pivot	Crossed	Crossed
	49.8	Pivot	N	931
	50	Building or Other Structure	SE	151
	50.3	Pivot	N	921
	50.7	Pivot	N	982
	52.5 - 59.6	MUA-6 Saylor Creek West	Crossed	Crossed
	58.1 - 59.4	Pivot	Crossed	Crossed
	59.5 - 69.4	Snake River Birds of Prey IBA	Crossed	Crossed
	59.5 - 69.4	Snake River Birds of Prey NCA	Crossed	Crossed
	62.8 - 67.1	Saylor Creek Range	Crossed	Crossed
	65.5 - 66.7	State Endowment Land	Crossed	Crossed
	69.3 - 72.9	MUA-6 Saylor Creek West	Crossed	Crossed
	71.4	Pivot	W	304
	72.5	Dam	SE	156
	76.9 - 77.9	State Endowment Land	Crossed	Crossed
	82.9 - 83.9	State Endowment Land	Crossed	Crossed
	96.9 - 98.1	State Endowment Land	Crossed	Crossed
	112.9	Building or Other Structure	NE	651
	113	Building or Other Structure	NE	698
	113	Residence	NE	716
	113.1	Building or Other Structure	NE	707
	113.1	Building or Other Structure	NE	751
	113.1	Building or Other Structure	NE	669
	113.1	CAFO or Animal Pen	NE	386
	113.6	Building or Other Structure	NE	154
	113.6	Building or Other Structure	N	485
	113.6	Building or Other Structure	NW	154
	113.6	CAFO or Animal Pen	N	371
	113.7	Dam	SW	515
	126.1 - 126.2	State Endowment Land	Crossed	Crossed
	134.9 - 144.4	Black Mountain HMA	Crossed	Crossed
	140.2 - 141.4	State Endowment Land	Crossed	Crossed
	144.2	Residence	W	812
	144.3	Building or Other Structure	W	464
	144.3	Building or Other Structure	W	763
	144.3	Building or Other Structure	W	994

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Route 8G (cont.)	144.3	Building or Other Structure	W	754
	144.3	Building or Other Structure	W	856
	144.3	Building or Other Structure	W	660
	144.3	Building or Other Structure	W	756
	144.3	Building or Other Structure	W	609
	144.3	Residence	NW	504
	144.3	Residence	W	964
	144.3	Residence	W	970
	144.3	Residence	W	819
	144.4	Building or Other Structure	W	965
	144.4	Building or Other Structure	W	849
	144.4	Residence	W	975
	144.5	Building or Other Structure	E	297
	144.5	Building or Other Structure	NE	429
	144.5	Building or Other Structure	W	910
	144.5	Building or Other Structure	W	957
	144.5	Building or Other Structure	W	585
	144.5	Building or Other Structure	E	405
	144.5	Building or Other Structure	E	368
	144.5	Building or Other Structure	E	953
	144.5	Residence	E	367
	144.5	Residence	W	970
	144.5	Residence	W	733
	144.5	Residence	E	965
	144.6	Building or Other Structure	E	777
	144.6	Building or Other Structure	E	411
	144.6	Building or Other Structure	E	485
	144.6	Residence	E	566
	144.6	Residence	W	996
	144.6	Residence	E	818
	144.7	Building or Other Structure	SW	644
	144.7	Building or Other Structure	SW	543
	144.7	Residence	W	572
	144.8	Building or Other Structure	SW	666
	144.8	CAFO or Animal Pen	SW	914
Route 8G (Rebuild)	1.2	Building or Other Structure	S	768
	1.3	Building or Other Structure	SE	218
Route 8H	1.6	Pivot	N	378
	1.8	Pivot	N	406
	1.8 - 2.3	Pivot	Crossed	Crossed
	2.2	Pivot	N	813
	2.3	Pivot	S	47
	2.5 - 3.0	Pivot	Crossed	Crossed
	2.6	Pivot	S	288
	3	Pivot	S	278
	3.2 - 3.5	Pivot	Crossed	Crossed
	3.4	Pivot	S	235
	3.7 - 3.8	Pivot	Crossed	Crossed
	3.8	Pivot	S	373
	4	Building or Other Structure	W	234
	4	Building or Other Structure	W	244

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Route 8H (cont.)	4	Building or Other Structure	SW	442
	4	Building or Other Structure	S	394
	4	Building or Other Structure	S	414
	4	Pivot	N	455
	4.1	Building or Other Structure	SE	215
	4.1	CAFO or Animal Pen	SE	154
	5.5	Pivot	S	897
	8.3 - 9.3	State Endowment Land	Crossed	Crossed
	14.4 - 19.4	State Endowment Land	Crossed	Crossed
	15.2 - 15.5	Pivot	Crossed	Crossed
	15.4	Pivot	S	856
	15.6	Pivot	N	658
	16.2	Pivot	N	537
	16.4	Pivot	N	595
	17.4	Pivot	N	402
	19.8 - 20.0	Pivot	Crossed	Crossed
	20.4	Pivot	N	523
	20.6	Building or Other Structure	N	611
	20.6	Building or Other Structure	N	657
	20.6	Residence	N	352
	20.7	Building or Other Structure	NE	585
	20.7	Pivot	S	743
	20.8	North Side Alternate Trail	Crossed	Crossed
	20.8	Pivot	N	565
	21	Pivot	N	474
	21.1	Building or Other Structure	N	190
	21.1	Building or Other Structure	N	368
	21.1	Building or Other Structure	N	279
	21.1	Residence	N	388
	21.1	Residence	S	543
	21.2	Residence	N	676
	21.4	Pivot	N	559
	21.4	Pivot	S	669
	21.5	Pivot	N	539
	21.6	Building or Other Structure	S	444
	21.6	Building or Other Structure	S	875
	21.6	Building or Other Structure	S	812
	21.6	Building or Other Structure	S	872
	21.6	CAFO or Animal Pen	S	577
	21.6	Residence	S	939
	21.7	Building or Other Structure	N	953
	21.7	Pivot	SE	41
	21.7	Residence	N	953
	21.9	Building or Other Structure	N	798
	21.9	Building or Other Structure	N	771
	21.9	CAFO or Animal Pen	NW	61
	21.9	Pivot	N	513
	21.9	Residence	NE	314
	21.9	Residence	N	629
	22	Building or Other Structure	NE	281
	22	Building or Other Structure	N	270

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Route 8H (cont.)	22	Building or Other Structure	N	297
	22	Building or Other Structure	N	255
	22	Residence	N	401
	22.1	Pivot	SW	377
	22.2	Building or Other Structure	N	861
	22.3	Building or Other Structure	N	593
	22.3	Building or Other Structure	N	579
	22.3	Building or Other Structure	SW	458
	22.3	CAFO or Animal Pen	S	381
	22.3	Residence	N	584
	22.4	Building or Other Structure	NE	656
	22.4	Building or Other Structure	N	612
	22.4	Building or Other Structure	SE	466
	22.4	Residence	S	578
	22.5	Building or Other Structure	N	942
	22.6	Residence	NE	795
	22.6	Residence	N	471
	22.7	Building or Other Structure	NE	739
	22.7	Building or Other Structure	N	270
	22.7	Building or Other Structure	N	369
	22.7	North Alternate Oregon Trail	Crossed	Crossed
	22.7	Residence	NE	328
	22.7	Residence	N	349
	22.8	Building or Other Structure	N	342
	23	Residence	NE	366
	23.1	Building or Other Structure	N	973
	23.1	Building or Other Structure	N	867
	23.1	Residence	N	419
	23.1	Residence	N	970
	23.2	Residence	S	728
	23.2 - 23.4	Pivot	Crossed	Crossed
	23.6	Building or Other Structure	SW	685
	23.7	Building or Other Structure	NW	301
	23.7	Building or Other Structure	W	251
	23.7	Residence	S	982
	23.7	Residence	S	756
	23.8	Building or Other Structure	NE	191
	23.8	Residence	NE	311
	23.8	Residence	N	698
	23.8	Residence	S	499
	23.9	Building or Other Structure	N	733
	23.9 - 24.0	Pivot	Crossed	Crossed
	24.1	Building or Other Structure	S	974
	24.1	Pivot	N	305
	24.2	Building or Other Structure	SW	862
	24.2 - 25.0	MUA-8 Hagerman Fossil Beds	Crossed	Crossed
	24.3	Building or Other Structure	N	457
	24.4	Building or Other Structure	NE	831
	24.4	Building or Other Structure	NE	936
	25.0 - 52.5	MUA-7 Saylor Creek East	Crossed	Crossed
	26.8	Building or Other Structure	N	497

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Route 8H (cont.)	26.8	Building or Other Structure	NW	303
	26.9	Building or Other Structure	NE	440
	26.9	Wind Turbine	N	537
	27.9	Building or Other Structure	N	347
	27.9	Building or Other Structure	NW	295
	28	Building or Other Structure	NE	221
	28	Building or Other Structure	NW	233
	28	Residence	NW	223
	28.1	Building or Other Structure	NE	208
	29	Wind Turbine	S	895
	33.3	Oregon NHT	Crossed	Crossed
	33.3 - 33.6	Oregon Trail SRMA	Crossed	Crossed
	34.0 - 35.0	State Endowment Land	Crossed	Crossed
	38.2 - 45.0	Saylor Creek HMA	Crossed	Crossed
	40.0 - 41.0	State Endowment Land	Crossed	Crossed
	41	Gravel Pit	S	538
	48.6 - 48.9	Pivot	Crossed	Crossed
	49.8	Pivot	N	931
	50	Building or Other Structure	SE	151
	50.3	Pivot	N	921
	50.7	Pivot	N	982
	52.5 - 59.6	MUA-6 Saylor Creek West	Crossed	Crossed
	58.1 - 59.4	Pivot	Crossed	Crossed
	59.5 - 69.4	Snake River Birds of Prey IBA	Crossed	Crossed
	59.5 - 69.4	Snake River Birds of Prey NCA	Crossed	Crossed
	62.8 - 67.1	Saylor Creek Range	Crossed	Crossed
	65.5 - 66.7	State Endowment Land	Crossed	Crossed
	69.3 - 72.9	MUA-6 Saylor Creek West	Crossed	Crossed
	72.5	Dam	SE	156
	73.9 - 76.5	MUA-6 Saylor Creek West	Crossed	Crossed
	74.8	CAFO or Animal Pen	N	238
	76.4 - 82.0	C.J. Strike SRMA	Crossed	Crossed
	76.9 - 77.9	State Endowment Land	Crossed	Crossed
	77.3 - 81.8	Snake River Birds of Prey NCA	Crossed	Crossed
	78.0 - 78.2	CAFO or Animal Pen	Crossed	Crossed
	78.7 - 79.0	CAFO or Animal Pen	Crossed	Crossed
	79.2	CAFO or Animal Pen	N	266
	79.3	CAFO or Animal Pen	S	264
	80	CAFO or Animal Pen	W	248
	80.2 - 81.5	C.J. Strike SRMA	Crossed	Crossed
	80.6 - 80.8	State Endowment Land	Crossed	Crossed
	81.9 - 82	Oregon Trail SRMA	Crossed	Crossed
	81.9 - 82.1, 82.4 - 82.9	C.J. Strike WMA/Reservoir	Crossed	Crossed
	82.1	CAFO or Animal Pen	S	89
	82.8 - 83.6	Snake River Birds of Prey NCA	Crossed	Crossed
	82.9 - 83.9	State Endowment Land	Crossed	Crossed
	83.2 - 84.1	C.J. Strike WMA/Reservoir	Crossed	Crossed
	84.3 - 84.6	C.J. Strike WMA/Reservoir	Crossed	Crossed
	84.9 - 118.5	Snake River Birds of Prey IBA/NCA	Crossed	Crossed
	87.3 - 88	State Endowment Land	Crossed	Crossed
	89.3	CAFO or Animal Pen	NE	819

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Route 8H (cont.)	90.3	CAFO or Animal Pen	E	360
	92.1 - 92.2	State Endowment Land	Crossed	Crossed
	96.3 - 98.2	State Endowment Land	Crossed	Crossed
	98.2 - 107.1	Orchard Combat Training Center	Crossed	Crossed
	100.0 - 101.2	State Endowment Land	Crossed	Crossed
	112.9	Building or Other Structure	NE	651
	113	Building or Other Structure	NE	698
	113	Residence	NE	716
	113.1	Building or Other Structure	NE	707
	113.1	Building or Other Structure	NE	751
	113.1	Building or Other Structure	NE	669
	113.1	CAFO or Animal Pen	NE	386
	113.1 - 115	Guffey Butte/Black Butte Archaeological District	Crossed	Crossed
	113.6	Building or Other Structure	NE	154
	113.6	Building or Other Structure	N	485
	113.6	Building or Other Structure	NW	154
	113.6	CAFO or Animal Pen	N	371
	113.7	Dam	SW	515
	113.9 - 115.1	Snake River Canyon SRMA	Crossed	Crossed
	114.5 - 118.3	Birds of Prey Avoidance Area	Crossed	Crossed
	118.2	CAFO or Animal Pen	NE	466
	123.3 - 123.4	Oregon Trail SRMA	Crossed	Crossed
	124.7 - 134.4	Black Mountain HMA	Crossed	Crossed
	130.3 - 131.5	State Endowment Land	Crossed	Crossed
	134.9 - 144.4	Black Mountain HMA	Crossed	Crossed
Route 8H (Rebuild)	0.3	Wind Farm	N	784
	1.3	Building or Other Structure	SE	218
Segment 9 Revised Proposed Route	0	Pivot	NE	200
	0.0 - 8.3	South Hill IBA	Crossed	Crossed
	0.1	Pivot	W	822
	0.5 - 1.1	Pivot	Crossed	Crossed
	0.6	Pivot	N	962
	0.6	Pivot	S	296
	1.3	Pivot	S	285
	1.3 - 1.7	Pivot	Crossed	Crossed
	1.9	Pivot	S	64
	1.9 - 2.0	Pivot	Crossed	Crossed
	2.2	Building or Other Structure	S	323
	2.2	Residence	SE	169
	4.9	Building or Other Structure	NW	753
	5	Building or Other Structure	N	935
	5	CAFO or Animal Pen	N	724
	5.2	Pivot	N	843
	5.3	Gravel Pit	S	461
	5.6	Park or Recreation Area	N	654
	6.4	Pivot	N	302
	6.5	Building or Other Structure	NE	300
	6.5	Building or Other Structure	S	719
	6.5	CAFO or Animal Pen	SE	589
	6.5	Residence	N	435
	8.9	Dam	S	301

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Segment 9 Revised Proposed Route (cont.)	12.7	Building or Other Structure	SW	140
	12.7	Building or Other Structure	S	425
	12.7	Building or Other Structure	S	68
	17.3	Pivot	S	400
	32.6	Building or Other Structure	NE	971
	33.3 - 33.6	Salmon Falls Creek Canyon ACEC	Crossed	Crossed
	33.3 - 36.0	MUA-14 Salmon Falls Creek ACEC	Crossed	Crossed
	36.0 - 38.0	MUA-13 East Devil	Crossed	Crossed
	36.7 - 37.8	State Endowment Land	Crossed	Crossed
	38.0 - 47.2	MUA-12 West Devil	Crossed	Crossed
	38.7	Toana Freight Wagon Road	Crossed	Crossed
	46.5 - 54.4	Jarbidge Military Operations Area	Crossed	Crossed
	47.1 - 81.2	MUA-7 Saylor Creek East	Crossed	Crossed
	48.7	Pivot	E	151
	51.8	Building or Other Structure	W	766
	51.9	CAFO or Animal Pen	W	917
	60.3 - 73.3	Saylor Creek HMA	Crossed	Crossed
	62.7	Dam	SW	928
	77.2 - 77.6	Pivot	Crossed	Crossed
	78.6	Building or Other Structure	N	206
	81.1 - 88.3	MUA-6 Saylor Creek West	Crossed	Crossed
	86.7	Pivot	N	54
	87.2 - 88.1	Pivot	Crossed	Crossed
	88.1 - 102.3	Snake River Birds of Prey IBA	Crossed	Crossed
	88.1 - 102.3	Snake River Birds of Prey NCA	Crossed	Crossed
	91.3 - 95.7	Saylor Creek Range	Crossed	Crossed
	94.2 - 95.3	State Endowment Land	Crossed	Crossed
	102.5 - 105.1	MUA-6 Saylor Creek West	Crossed	Crossed
	103.5	Pivot	N	198
	104.1	Oregon NHT	Crossed	Crossed
	105.1 - 105.4	Snake River Birds of Prey IBA	Crossed	Crossed
	105.1 - 105.4	Snake River Birds of Prey NCA	Crossed	Crossed
	105.1 - 105.7	C.J. Strike SRMA	Crossed	Crossed
	105.5 - 106.3	MUA-6 Saylor Creek West	Crossed	Crossed
	105.9 - 110.7	C.J. Strike SRMA	Crossed	Crossed
	105.9 - 112.2	Snake River Birds of Prey IBA	Crossed	Crossed
	105.9 - 112.2	Snake River Birds of Prey NCA	Crossed	Crossed
	106.7 - 106.8	Pivot	Crossed	Crossed
	106.9	Pivot	S	829
	107.4 - 107.6	Pivot	Crossed	Crossed
	107.5	Pivot	N	215
	107.9	Pivot	N	181
	108	Pivot	S	260
	108.8 - 109.5	C.J. Strike Reservoir SRMA	Crossed	Crossed
	108.8 - 110.1	CJ Strike WMA/Reservoir	Crossed	Crossed
	109.3 - 109.5	State Endowment Land	Crossed	Crossed
	109.6 - 110.1	C.J. Strike Reservoir SRMA	Crossed	Crossed
	110.5	Oregon NHT	Crossed	Crossed
	110.5 - 110.6	Oregon Trail SRMA	Crossed	Crossed

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Segment 9 Revised Proposed Route (cont.)	110.5 - 110.8	CJ Strike WMA/Reservoir	Crossed	Crossed
	110.5 - 110.8	Cove Recreation Site	Crossed	Crossed
	110.8	Pivot	S	51
	111.0 - 111.6	CJ Strike WMA/Reservoir	Crossed	Crossed
	111.4 - 111.6	C.J. Strike Reservoir SRMA	Crossed	Crossed
	111.6 - 112.2	C.J. Strike SRMA	Crossed	Crossed
	111.8 - 112.2	C.J. Strike Reservoir SRMA	Crossed	Crossed
	111.8 - 112.7	CJ Strike WMA/Reservoir	Crossed	Crossed
	112.8	Oregon NHT	Crossed	Crossed
	113.0 - 113.2	CJ Strike WMA/Reservoir	Crossed	Crossed
	113.5 - 147.0	Snake River Birds of Prey IBA	Crossed	Crossed
	113.5 - 147.0	Snake River Birds of Prey NCA	Crossed	Crossed
	114.5	Building or Other Structure	NE	369
	116.0 - 116.7	State Endowment Land	Crossed	Crossed
	116.4	Mountain Home AFB Class D Airspace	NE	62
	117.9	Pivot	N	825
	119	Pivot	E	372
	120.7 - 120.9	State Endowment Land	Crossed	Crossed
	125.0 - 126.9	State Endowment Land	Crossed	Crossed
	128.7 - 129.8	State Endowment Land	Crossed	Crossed
	140.9 - 141.0	Guffey Butte/Black Butte Archaeological District	Crossed	Crossed
	141.8 - 143.7	Guffey Butte/Black Butte Archaeological District	Crossed	Crossed
	142.5 - 143.8	Snake River Canyon SRMA	Crossed	Crossed
	143.1 - 147.0	Birds of Prey Avoidance Area	Crossed	Crossed
	146.8	Pivot	N	450
	147.7 - 153.3	Birds of Prey Avoidance Area	Crossed	Crossed
	147.7 - 154.5	Snake River Birds of Prey IBA	Crossed	Crossed
	147.7 - 154.5	Snake River Birds of Prey NCA	Crossed	Crossed
	151.9 - 152.1	Oregon Trail SRMA	Crossed	Crossed
	152	Oregon NHT	Crossed	Crossed
	153.3 - 154.5	Owyhee Front SRMA	Crossed	Crossed
	153.3 - 162.9	Black Mountain HMA	Crossed	Crossed
	159.0 - 160.2	State Endowment Land	Crossed	Crossed
	162.8	Claypit	SE	177
	163	Pivot	SW	151
	163	Residence	NE	570
	163.1	Residence	E	601
	163.3	Residence	SE	809
	163.3	Residence	E	800
	163.4	Residence	SE	588
	163.5	Building or Other Structure	SE	823
	163.5	Residence	SE	775
	163.6	Residence	S	283
	163.7	Residence	SE	953
	163.8	Building or Other Structure	NW	845
	163.8	Building or Other Structure	NW	936

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Segment 9 Proposed - Existing 138-kV Removal[1/]	106.1 - 109.4	C.J. Strike SRMA	Crossed	Crossed
	106.1 - 109.4	Snake River Birds of Prey IBA	Crossed	Crossed
	106.1 - 109.4	Snake River Birds of Prey NCA	Crossed	Crossed
	106.2 - 106.3	MUA-6 Saylor Creek West	Crossed	Crossed
	108.7 - 109.4	C.J. Strike Reservoir SRMA	Crossed	Crossed
	108.7 - 109.4	CJ Strike WMA/Reservoir	Crossed	Crossed
	109.3 - 109.4	State Endowment Land	Crossed	Crossed
	109.9 - 110.1	C.J. Strike Reservoir SRMA	Crossed	Crossed
	109.9 - 110.1	CJ Strike WMA/Reservoir	Crossed	Crossed
	109.9 - 110.7	C.J. Strike SRMA	Crossed	Crossed
	109.9 - 112.0	Snake River Birds of Prey IBA	Crossed	Crossed
	109.9 - 112.0	Snake River Birds of Prey NCA	Crossed	Crossed
	110.5 - 110.6	Oregon Trail SRMA	Crossed	Crossed
	110.5 - 110.8	CJ Strike WMA/Reservoir	Crossed	Crossed
	110.5 - 110.8	Cove Recreation Site	Crossed	Crossed
	111.0 - 111.6	CJ Strike WMA/Reservoir	Crossed	Crossed
	111.4 - 111.6	C.J. Strike Reservoir SRMA	Crossed	Crossed
	111.5 - 112.0	C.J. Strike SRMA	Crossed	Crossed
	111.8 - 112.0	C.J. Strike Reservoir SRMA	Crossed	Crossed
	111.8 - 112.0	CJ Strike WMA/Reservoir	Crossed	Crossed
	120.9 - 141.2	Snake River Birds of Prey IBA	Crossed	Crossed
	120.9 - 141.2	Snake River Birds of Prey NCA	Crossed	Crossed
	124.9 - 126.8	State Endowment Land	Crossed	Crossed
	128.7 - 129.9	State Endowment Land	Crossed	Crossed
Segment 9 FEIS Proposed Route	0	Pivot	NE	200
	0.0 - 8.3	South Hill IBA	Crossed	Crossed
	0.1	Pivot	W	822
	0.5 - 1.1	Pivot	Crossed	Crossed
	0.6	Pivot	N	962
	0.6	Pivot	S	296
	1.3	Pivot	S	285
	1.3 - 1.7	Pivot	Crossed	Crossed
	1.9	Pivot	S	64
	1.9 - 2.0	Pivot	Crossed	Crossed
	2.2	Building or Other Structure	S	323
	2.2	Residence	SE	169
	3.9	Gravel Pit	N	650
	6.4	Pivot	N	302
	6.5	Building or Other Structure	NE	300
	6.5	Building or Other Structure	S	719
	6.5	CAFO or Animal Pen	SE	589
	6.5	Residence	N	435
	8.9	Dam	S	301
	12.7	Building or Other Structure	S	425
	12.7	Building or Other Structure	S	68
	17.3	Pivot	S	400
	32.6	Building or Other Structure	NE	971
	33.3 - 33.6	Salmon Falls Creek Canyon ACEC	Crossed	Crossed
	33.3 - 36.0	MUA-14 Salmon Falls Creek ACEC	Crossed	Crossed
	36.0 - 38.0	MUA-13 East Devil	Crossed	Crossed
	36.7 - 37.8	State Endowment Land	Crossed	Crossed

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Segment 9 FEIS Proposed Route (cont.)	38.0 - 47.2	MUA-12 West Devil	Crossed	Crossed
	38.7	Toana Freight Wagon Road	Crossed	Crossed
	46.5 - 54.4	Jarbidge Military Operations Area	Crossed	Crossed
	47.1 - 81.2	MUA-7 Saylor Creek East	Crossed	Crossed
	48.7	Pivot	E	151
	51.8	Building or Other Structure	W	766
	51.9	CAFO or Animal Pen	W	917
	60.3 - 73.3	Saylor Creek HMA	Crossed	Crossed
	62.7	Dam	SW	928
	77.2 - 77.6	Pivot	Crossed	Crossed
	78.6	Building or Other Structure	N	206
	81.2 - 88.3	MUA-6 Saylor Creek West	Crossed	Crossed
	86.7	Pivot	N	54
	87.2 - 88.1	Pivot	Crossed	Crossed
	88.1 - 102.3	Snake River Birds of Prey IBA	Crossed	Crossed
	88.1 - 102.3	Snake River Birds of Prey NCA	Crossed	Crossed
	91.3 - 95.7	Saylor Creek Range	Crossed	Crossed
	94.2 - 95.3	State Endowment Land	Crossed	Crossed
	97.2 - 99.2	MUA-6 Saylor Creek West	Crossed	Crossed
	97.9	Residence	NW	366
	98.4 - 99.7	Ducks Unlimited Project Area	Crossed	Crossed
	99.4	Residence	NW	544
	99.4	Residence	NW	743
	99.6	Cemetary	SE	385
	99.7	Cemetary	S	400
	100	CAFO or Animal Pen	SW	577
	100.7 - 101.3	CAFO or Animal Pen	Crossed	Crossed
	102.5 - 105.1	MUA-6 Saylor Creek West	Crossed	Crossed
	104.1	Oregon NHT	Crossed	Crossed
	108.7	Pivot	SW	885
	108.7	CAFO or Animal Pen	SW	887
	109.5 - 109.9	CAFO or Animal Pen	Crossed	Crossed
	110.2	CAFO or Animal Pen	Crossed	Crossed
	110.2	CAFO or Animal Pen	N	36
	110.5	Residence	N	310
	110.7	CAFO or Animal Pen	Crossed	Crossed
	111.3	CAFO or Animal Pen	N	49
	112.4 - 112.6	CAFO or Animal Pen	Crossed	Crossed
	112.9	CAFO or Animal Pen	NE	741
	113.6 - 113.8	CAFO or Animal Pen	Crossed	Crossed
	113.7	CAFO or Animal Pen	SW	461
	114.9	CAFO or Animal Pen	SW	747
	115.7	CAFO or Animal Pen	N	238
	116	CAFO or Animal Pen	SW	335
	116.3	CAFO or Animal Pen	NE	231
	116.6	CAFO or Animal Pen	NE	978
	117	CAFO or Animal Pen	SW	520
	117.8	CAFO or Animal Pen	S	266
	118.3	CAFO or Animal Pen	Crossed	Crossed
	118.6	CAFO or Animal Pen	S	34
	118.7	CAFO or Animal Pen	N	80

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Segment 9 FEIS Proposed Route (cont.)	119.2	CAFO or Animal Pen	S	70
	119.2	CAFO or Animal Pen	SW	458
	119.4 - 119.5	CAFO or Animal Pen	Crossed	Crossed
	119.6	CAFO or Animal Pen	SW	414
	119.6 - 119.8	CAFO or Animal Pen	Crossed	Crossed
	119.8	Residence	SW	186
	119.8	CAFO or Animal Pen	SW	578
	120.2 - 120.3	CAFO or Animal Pen	Crossed	Crossed
	120.4 - 120.5	CAFO or Animal Pen	Crossed	Crossed
	121	CAFO or Animal Pen	NE	722
	122.9 - 123.3	CAFO or Animal Pen	Crossed	Crossed
	123.3	CAFO or Animal Pen	N	290
	126.3 - 127.4	State Endowment Land	Crossed	Crossed
	131.9	Residence	N	463
	132	Residence	NE	448
	132.6	Residence	S	164
	134.9	Residence	N	83
	135.4 - 135.7	CAFO or Animal Pen	Crossed	Crossed
	135.9	CAFO or Animal Pen	SW	506
	136.5	Residence	SW	969
	142.5 - 146.3	Owyhee Front SRMA	Crossed	Crossed
	142.5 - 146.4	Snake River Birds of Prey NCA	Crossed	Crossed
	142.5 - 146.5	Snake River Birds of Prey IBA	Crossed	Crossed
	151.1	Residence	NE	766
	151.1	Residence	NE	866
	151.5 - 152.6	Owyhee Front SRMA	Crossed	Crossed
	151.5 - 152.7	Snake River Birds of Prey NCA	Crossed	Crossed
	151.5 - 152.8	Snake River Birds of Prey IBA	Crossed	Crossed
	151.7 - 161.1	Black Mountain HMA	Crossed	Crossed
	157.2 - 158.4	State Endowment Land	Crossed	Crossed
	161	Claypit	NE	164
	161.2	Pivot	SW	138
	161.3	Residence	E	566
	161.3	Residence	NE	586
	161.4	Residence	NE	780
	161.5	Residence	E	880
	161.6	Residence	SE	603
	161.7	Building or Other Structure	SE	776
	161.8	Residence	SE	156
	161.8	Residence	SE	966
	163.8	Building or Other Structure	NW	845
Route 9K	0	Pivot	NE	200
	0.0 - 8.3	South Hill IBA	Crossed	Crossed
	0.1	Pivot	W	822
	0.5 - 1.1	Pivot	Crossed	Crossed
	0.6	Pivot	N	962
	0.6	Pivot	S	296
	1.3	Pivot	S	285
	1.3 - 1.7	Pivot	Crossed	Crossed
	1.9	Pivot	S	64
	1.9 - 2.0	Pivot	Crossed	Crossed

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Route 9K (cont.)	2.2	Building or Other Structure	S	323
	2.2	Residence	SE	169
	4.9	Building or Other Structure	NW	753
	5	Building or Other Structure	N	935
	5	CAFO or Animal Pen	N	724
	5.2	Pivot	N	843
	5.3	Gravel Pit	S	461
	5.6	Park or Recreation Area	N	654
	6.4	Pivot	N	302
	6.5	Building or Other Structure	NE	300
	6.5	Building or Other Structure	S	719
	6.5	CAFO or Animal Pen	SE	589
	6.5	Residence	N	435
	8.9	Dam	S	301
	12.7	Building or Other Structure	SW	140
	12.7	Building or Other Structure	S	425
	12.7	Building or Other Structure	S	68
	17.3	Pivot	S	400
	32.6	Building or Other Structure	NE	971
	33.3 - 33.6	Salmon Falls Creek Canyon ACEC	Crossed	Crossed
	33.3 - 36.0	MUA-14 Salmon Falls Creek ACEC	Crossed	Crossed
	36.0 - 38.0	MUA-13 East Devil	Crossed	Crossed
	36.7 - 37.8	State Endowment Land	Crossed	Crossed
	38.0 - 47.1	MUA-12 West Devil	Crossed	Crossed
	38.7	Toana Freight Wagon Road	Crossed	Crossed
	46.5 - 54.4	Jarbidge Military Operations Area	Crossed	Crossed
	47.1 - 81.1	MUA-7 Saylor Creek East	Crossed	Crossed
	48.7	Pivot	E	151
	51.8	Building or Other Structure	W	766
	51.9	CAFO or Animal Pen	W	917
	60.3 - 73.3	Saylor Creek HMA	Crossed	Crossed
	62.7	Dam	SW	928
	77.2 - 77.6	Pivot	Crossed	Crossed
	78.6	Building or Other Structure	N	206
	81.1 - 88.3	MUA-6 Saylor Creek West	Crossed	Crossed
	86.7	Pivot	N	54
	87.2 - 88.1	Pivot	Crossed	Crossed
	88.1 - 98.0	Snake River Birds of Prey IBA	Crossed	Crossed
	88.1 - 98.0	Snake River Birds of Prey NCA	Crossed	Crossed
	91.3 - 95.7	Saylor Creek Range	Crossed	Crossed
	94.2 - 95.3	State Endowment Land	Crossed	Crossed
	97.8 - 101.6	MUA-6 Saylor Creek West	Crossed	Crossed
	100	Pivot	W	551
	101.1	Dam	NW	139
	101.4	Dam	S	862
	125.6 - 126.8	State Endowment Land	Crossed	Crossed
	141.6	Building or Other Structure	NE	917
	141.6	Building or Other Structure	NE	913
	141.6	Residence	N	961
	141.7	Building or Other Structure	NE	917

Table D.17-1. Specific Land Uses Crossed or within 1,000 Feet of Proposed Routes and Other Routes cont.

Route Name	Closest Milepost or Milepost Span	Land Use Feature	Direction From Route	Distance From Route (Ft)
Route 9K (cont.)	141.7	Building or Other Structure	N	990
	141.7	Building or Other Structure	N	936
	141.7	CAFO or Animal Pen	N	604
	142.2	Building or Other Structure	N	453
	142.3	Building or Other Structure	NE	298
	142.3	Building or Other Structure	NE	728
	142.3	CAFO or Animal Pen	NE	553
	142.4	Dam	S	293
	163.5 - 172.9	Black Mountain HMA	Crossed	Crossed
	168.9 - 170.2	State Endowment Land	Crossed	Crossed
	172.8	Claypit	SE	266
	172.9	Pivot	W	172
	173	Residence	NE	553
	173.1	Residence	NE	787
	173.1	Residence	E	634
	173.3	Residence	E	787
	173.4	Building or Other Structure	E	810
	173.4	Residence	SE	620
	173.4	Residence	E	757
	173.5	Residence	NE	255
	173.6	Residence	SE	962
	173.8	Building or Other Structure	NW	846
	173.8	Building or Other Structure	NW	944
Segment 9 Proposed and Route 9K - Comparison portion for Toana Road Variations 1/1-A	38.2 - 46.8	MUA-12 West Devil	Crossed	Crossed
	46.5 - 46.8	Jarbidge Military Operations Area	Crossed	Crossed
Toana Road Variation 1	0.0 - 8.5	MUA-12 West Devil	Crossed	Crossed
	0.3	Toana Freight Wagon Road	Crossed	Crossed
	2.6	CAFO or Animal Pen	NE	872
	3.8 - 4.2	State Endowment Land	Crossed	Crossed
	7.9 - 8.5	Jarbidge Military Operations Area	Crossed	Crossed
Toana Road Variation 1-A	0.0 - 8.9	MUA-12 West Devil	Crossed	Crossed
	0.3	Toana Freight Wagon Road	Crossed	Crossed
	2.6	CAFO or Animal Pen	NE	113
	3.7 - 4.8	State Endowment Land	Crossed	Crossed
	8.6 - 8.9	Jarbidge Military Operations Area	Crossed	Crossed

Note:

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.19-1. Roads, Railroads, and Bridges Within 1 Mile of Project Centerline

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length in Miles	Road Types in Miles				Total Road Miles	Railroad Miles	Number of Bridges in Inventory
			County-Maintained Highways or Numbered/Lettered Routes	State Highway	US Highway	Interstate			
8	Revised Proposed Route	129.7		8.3	7.2	4.5	20.1	7.6	5
	Proposed – Existing 500-kV Removal[1/]	1.1							
	Route 8G	146.9		18.0	4.3	3.0	25.3	2.8	5
	Route 8G – Existing 500-kV Removal	1.9							
	Route 8H	137.5		17.8	4.3	3.0	25.1	2.8	5
	Route 8H – Existing 138-kV Removal	25.7		4.8			4.8		2
	Route 8H – Existing 500-kV Removal	1.9							
9	Revised Proposed Route	165.3	1.8	19.1	2.0		22.9	2.1	8
	Proposed – Existing 138-kV Removal[1/]	25.7		4.8			4.8		2
	Segment 9 FEIS Proposed Route	162.2	1.8	23.8	2.0		27.5	2.1	3
	Route 9K	174.6	1.8	10.7	2.0		14.4	2.1	4
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7							
	Toana Road Variation 1	8.5							
	Toana Road Variation 1-A	8.9							

Notes: Blank cells indicate zero miles or null value

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented

Table D.19-2. Airports and Heliports Within 1 Mile and 3 Miles of the Proposed Route

Segment Number	Revised Proposed Routes, Other Routes, and Route Variations	Segment Length (Miles)	Within 1 Mile of Route			Within 3 Miles of Route		
			Facility Type	Facility Name	Facility Use	Facility Type	Facility Name	Facility Use
8	Revised Proposed Route	129.7	Landing Strip	Unknown	Private	Airport	Gooding Municiple	Public
						Airport	Red Baron Airpark Ultralight	Private
						Landing Strip	Unknown	Private
						Ultralight	Oasis Strip	Private
	Proposed – Existing 500-kV Removal[1/]	1.1				Landing Strip	Unknown	Private
	Route 8G	146.9	Landing Strip	Unknown	Private	Airport	EZ Lope Ranch	Private
						Airport	Murphy	Public
						Airport	Owens Ranch Inc	Private
						Landing Strip	Unknown	Private
						Landing Strip	Unknown	Private
						Landing Strip	Unknown	Private
	Route 8G – Existing 500-kV Removal	1.9						
	Route 8H	137.5				Airport	Murphy	Public
						Landing Strip	Unknown	Private
						Landing Strip	Unknown	Private
						Landing Strip	Unknown	Private
	Route 8H – Existing 138-kV Removal	25.7						
	Route 8H – Existing 500-kV Removal	1.9						
9	Revised Proposed Route	165.3				Airport	Murphy	Public
						Landing Strip	Unknown	Private
						Landing Strip	Unknown	Private
						Landing Strip	Unknown	Private
						Landing Strip	Unknown	Private
						Landing Strip	Unknown	Private
	Proposed – Existing 138-kV Removal[1/]	25.7						
	Segment 9 FEIS Proposed Route	162.2	Airport	Murphy	Public	Airport	EZ Lope Ranch	Private
			Landing Strip	Unknown	Private	Landing Strip	Unknown	Private
			Landing Strip	Unknown	Private	Landing Strip	Unknown	Private
	Route 9K	174.6	Landing Strip	Unknown	Private	Airport	EZ Lope Ranch	Private
						Airport	Murphy	Public
						Airport	Owens Ranch Inc	Private
						Landing Strip	Unknown	Private
						Landing Strip	Unknown	Private
						Landing Strip	Unknown	Private
	Proposed – Comparison portion for Toana Road Variations 1/1-A	8.7						
	Toana Road Variation 1	8.5						
	Toana Road Variation 1-A	8.9						

Notes:

[1/] Portions of the disturbance areas may overlap; therefore, actual effects may be less than presented