

Direct Disturbance		Powerlines High/Low (> <115kV) Existi		
Management Zone	Line Class kV	Within Occupied Range		Intersect: Breeding Di
		Acres	%	Acres
I	Both kV	15,996	0.03	499
	High kV	118,503	0.26	15,021
	Low kV	221,514	0.48	26,911
II	Both kV	26,842	0.07	6,316
	High kV	146,989	0.40	46,175
	Low kV	212,198	0.57	40,558
III	Both kV	6,931	0.02	1,838
	High kV	109,209	0.38	32,088
	Low kV	67,524	0.23	11,676
IV	Both kV	7,149	0.02	1,602
	High kV	169,224	0.44	49,361
	Low kV	92,103	0.24	18,484
V	Both kV	1,536	0.01	20
	High kV	73,115	0.38	14,343
	Low kV	67,041	0.35	4,589
VI	Both kV	4,317	0.16	1,804
	High kV	24,322	0.88	9,905
	Low kV	26,845	0.97	7,935
VII	Both kV	12	0.00	0
	High kV	1,823	0.15	0
	Low kV	55	0.00	0
Range wide ¹		1,393,249	0.008	289,125

¹ All range wide calculations will not include Bi-State population or the Canadian portion of the range.



Indirect Disturbance ¹		Powerlines High/Low (> <115kV) Existi		
Management Zone	Line Class kV	Within Occupied Range		Intersect: Breeding Di
		Acres	%	Acres
I	High kV	11,193,378	24.3	1,576,874
	Low kV	2,159,307	4.7	381,703
II	High kV	12,579,259	34.0	4,332,616
	Low kV	2,170,436	5.9	453,783
III	High kV	9,015,016	31.3	2,696,396
	Low kV	688,370	2.4	141,391
IV	High kV	13,538,149	35.0	3,952,888
	Low kV	1,060,411	2.7	213,255
V	High kV	6,198,588	32.0	1,164,305
	Low kV	680,063	3.5	72,928
VI	High kV	1,541,095	55.9	615,421

	Low kV	274,521	10.0	97,512
VII	High kV	128,365	10.9	8,258
	Low kV	4,119	0.3	2,717
Range wide ²		61,231,077	0.4	15,710,050

¹ Indirect disturbance accounts for both High/Low kV (10.5km/2.2km) overlap and Low kV independent of High kV.

² All range wide calculations will not include Bi-State population or the Canadian portion of the range.

Direct Disturbance		Powerlines High/Low (> <115kV) Propo		
Management Zone	Line Class kV	Within Occupied Range		Intersect: Breeding Di
		Acres	%	Acres
I	Both kV	0	0.0	0
	High kV	38,802	0.08	2,214
	Low kV	0	0.0	0
II	Both kV	0	0.0	0
	High kV	114,595	0.31	38,823
	Low kV	0	0.0	0
III	Both kV	0	0.0	0
	High kV	66,037	0.23	21,734
	Low kV	0	0.0	0
IV	Both kV	0	0.0	0
	High kV	119,345	0.31	29,909
	Low kV	0	0.0	0
V	Both kV	0	0.0	0
	High kV	23,068	0.12	2,244
	Low kV	0	0.0	0
VI	Both kV	0	0.0	0
	High kV	2,815	0.10	785
	Low kV	0	0.0	0
VII	Both kV	0	0.0	0
	High kV	0	0.0	0
	Low kV	0	0.0	0
Range wide ¹		364,662	0.002	95,708

¹ All range wide calculations will not include Bi-State population or the Canadian portion of the range.

Indirect Disturbance ¹		Powerlines High/Low (> <115kV) Propo		
Management Zone	Line Class kV	Within Occupied Range		Intersect: Breeding Di
		Acres	%	Acres
I	High kV	3,433,104	7.5	272,529
	Low kV	0	0.0	0
II	High kV	7,449,395	20.1	2,572,175
	Low kV	0	0.0	0
III	High kV	6,243,981	21.7	2,181,945
	Low kV	0	0.0	0

IV	High kV	10,257,459	26.5	2,592,583
	Low kV	0	0.0	0
V	High kV	2,301,974	11.9	201,309
	Low kV	0	0.0	0
VI	High kV	246,098	8.9	98,272
	Low kV	0	0.0	0
VII	High kV	0	0.0	0
	Low kV	0	0.0	0
Range wide ²		29,932,010	0.2	7,918,813

¹ Indirect disturbance accounts for both High/Low kV (10.5km/2.2km) overlap. No Low kV captured.

² All range wide calculations will not include Bi-State population or the Canadian portion of the range.

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Distribution	Intersect: Population Index
%	%
0.00	tbd
0.15	tbd
0.26	tbd
0.05	tbd
0.39	tbd
0.34	tbd
0.02	tbd
0.38	tbd
0.14	tbd
0.01	tbd
0.43	tbd
0.16	tbd
0.00	tbd
0.41	tbd
0.13	tbd
0.16	tbd
0.90	tbd
0.72	tbd
0.0	tbd
0.0	tbd
0.0	tbd
0.006	



ng

Distribution	Intersect: Population Index
%	%
15.3	tbd
3.7	tbd
36.4	tbd
3.8	tbd
31.8	tbd
1.7	tbd
34.2	tbd
1.8	tbd
33.6	tbd
2.1	tbd
55.8	tbd

8.8	tbd
5.1	tbd
1.7	tbd
0.3	



sed

distribution	Intersect: Population Index
%	%
0.0	tbd
0.02	tbd
0.0	tbd
0.0	tbd
0.33	tbd
0.0	tbd
0.0	tbd
0.26	tbd
0.0	tbd
0.0	tbd
0.26	tbd
0.0	tbd
0.0	tbd
0.06	tbd
0.0	tbd
0.0	tbd
0.07	tbd
0.0	tbd
0.0	tbd
0.0	tbd
0.0	tbd
0.002	



sed

distribution	Intersect: Population Index
%	%
2.6	tbd
0.0	tbd
21.6	tbd
0.0	tbd
25.8	tbd
0.0	tbd

22.5	tbd
0.0	tbd
5.8	tbd
0.0	tbd
8.9	tbd
0.0	tbd
0.0	tbd
0.0	tbd
0.2	

OBJECTID	LINE_CLAS	Line_Status	AOI_Code
1	BOTHv	Existing	Direct Footprint
8	HIGHv	Existing	Direct Footprint
15	LOWv	Existing	Direct Footprint
2	BOTHv	Existing	Direct Footprint
9	HIGHv	Existing	Direct Footprint
16	LOWv	Existing	Direct Footprint
3	BOTHv	Existing	Direct Footprint
10	HIGHv	Existing	Direct Footprint
17	LOWv	Existing	Direct Footprint
4	BOTHv	Existing	Direct Footprint
11	HIGHv	Existing	Direct Footprint
18	LOWv	Existing	Direct Footprint
5	BOTHv	Existing	Direct Footprint
12	HIGHv	Existing	Direct Footprint
19	LOWv	Existing	Direct Footprint
6	BOTHv	Existing	Direct Footprint
13	HIGHv	Existing	Direct Footprint
20	LOWv	Existing	Direct Footprint
7	BOTHv	Existing	Direct Footprint
14	HIGHv	Existing	Direct Footprint
21	LOWv	Existing	Direct Footprint

Mgmt_zones	FIRST_MZ_Acres	Shape_Length
MZ I	46080299	863133.5477
MZ I	46080299	5244242.63
MZ I	46080299	9222509.822
MZ II	37021278	1309834.354
MZ II	37021278	6002081.166
MZ II	37021278	8825749.311
MZ III	28803339	361003.3971
MZ III	28803339	4557503.049
MZ III	28803339	3007279.946
MZ IV	38637313	443567.1775
MZ IV	38637313	6970760.418
MZ IV	38637313	3936409.197
MZ V	19346653	98758.85642
MZ V	19346653	2892498.053
MZ V	19346653	2797593.24
MZ VI	2757910	196754.195
MZ VI	2757910	996824.1293
MZ VI	2757910	1130312.344
MZ VII	1180428	922.6081602
MZ VII	1180428	71449.38964
MZ VII	1180428	2937.150225

Shape_Area	Range_Hectares	Range_Acres
64731864.02	6473.186402	15995.59195
479565606.3	47956.56063	118503.2421
896433608.2	89643.36082	221513.5687
108624088.6	10862.40886	26841.59685
594843715.4	59484.37154	146989.0832
858734038.1	85873.40381	212197.8021
28050478.32	2805.047832	6931.424146
441953782.4	44195.37824	109209.158
273260545.4	27326.05454	67524.1513
28931310.03	2893.131003	7149.082402
684825794.5	68482.57945	169224.1392
372727716.7	37272.77167	92103.02462
6216377.864	621.6377864	1536.100423
295886317	29588.6317	73115.10124
271306956.7	27130.69567	67041.40902
17471051.47	1747.105147	4317.190837
98427516.66	9842.751666	24321.96905
108638115.5	10863.81155	26845.06296
50318.32552	5.031832552	12.43392902
7375895.141	737.5895141	1822.623383
223163.6936	22.31636936	55.14494963

Management_Zone	Current_Range_Acres
MZ I	15995.59195
MZ I	118503.2421
MZ I	221513.5687
MZ II	26841.59685
MZ II	146989.0832
MZ II	212197.8021
MZ III	6931.424146
MZ III	109209.158
MZ III	67524.1513
MZ IV	7149.082402
MZ IV	169224.1392
MZ IV	92103.02462
MZ V	1536.100423
MZ V	73115.10124
MZ V	67041.40902
MZ VI	4317.190837
MZ VI	24321.96905
MZ VI	26845.06296
MZ VII	12.43392902
MZ VII	1822.623383
MZ VII	55.14494963

Current_Range_Percent

0.034712431
0.257166825
0.480712091
0.072503161
0.397039463
0.573177949
0.024064655
0.379154507
0.234431679
0.018503053
0.437981128
0.238378442
0.007939877
0.37792119
0.346527169
0.156538496
0.881898577
0.973384301
0.001053341
0.154403605
0.004671606

OBJECTID	INE_CLAS	line_Status	AOI_Code	Mgmt_zones	ST_MZ_Ac
1	BOTHv	Existing	Direct Footprint MZ I		10312901
2	BOTHv	Existing	Direct Footprint MZ II		11908198
3	BOTHv	Existing	Direct Footprint MZ III		8471600
4	BOTHv	Existing	Direct Footprint MZ IV		11541296
5	BOTHv	Existing	Direct Footprint MZ V		3463986
6	BOTHv	Existing	Direct Footprint MZ VI		1102989
7	HIGHv	Existing	Direct Footprint MZ I		10312901
8	HIGHv	Existing	Direct Footprint MZ II		11908198
9	HIGHv	Existing	Direct Footprint MZ III		8471600
10	HIGHv	Existing	Direct Footprint MZ IV		11541296
11	HIGHv	Existing	Direct Footprint MZ V		3463986
12	HIGHv	Existing	Direct Footprint MZ VI		1102989
13	LOWv	Existing	Direct Footprint MZ I		10312901
14	LOWv	Existing	Direct Footprint MZ II		11908198
15	LOWv	Existing	Direct Footprint MZ III		8471600
16	LOWv	Existing	Direct Footprint MZ IV		11541296
17	LOWv	Existing	Direct Footprint MZ V		3463986
18	LOWv	Existing	Direct Footprint MZ VI		1102989

Shape_Length	Shape_Area	Distribution_Hectares
31149.30347	2018684.414	201.8684414
306126.4047	25559721.82	2555.972182
97326.77355	7439506.954	743.9506954
85142.08258	6481968.771	648.1968771
1619.467345	80916.74992	8.091674992
73462.70888	7299970.709	729.9970709
654713.5629	60788940.92	6078.894092
1965883.158	186864676.6	18686.46766
1375425.987	129856054.9	12985.60549
2142794.71	199758171.5	19975.81715
629507.936	58044843.6	5804.48436
440143.8615	40083839.48	4008.383948
1140708.828	108903311.5	10890.33115
1834069.099	164132553.4	16413.25534
563578.5239	47252068.13	4725.206813
860140.6536	74802322.58	7480.232258
205167.7844	18569649.24	1856.964924
329124.3124	32111671.93	3211.167193

Distribution_Acres	Management_Zone	ibution_Per
498.8277823 MZ I		0.004837
6315.94481 MZ II		0.053039
1838.342204 MZ III		0.0217
1601.729366 MZ IV		0.013878
19.99496436 MZ V		0.000577
1803.862047 MZ VI		0.163543
15021.27444 MZ I		0.145655
46175.26719 MZ II		0.38776
32088.12998 MZ III		0.378773
49361.31916 MZ IV		0.427693
14343.19322 MZ V		0.414066
9904.932445 MZ VI		0.898008
26910.59434 MZ I		0.260941
40558.03723 MZ II		0.340589
11676.24032 MZ III		0.137828
18484.05646 MZ IV		0.160156
4588.660259 MZ V		0.132468
7934.966943 MZ VI		0.719405

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Line	Status	AOI_Code	Mgmt_zones	ST_MZ_Ac	ape_Leng	Shape_Are	tribution_Hec
Proposed	Direct Footprint		MZ I	10312901	113207.1	8960336	896.0336
Proposed	Direct Footprint		MZ II	11908198	1634214	1.57E+08	15711.03
Proposed	Direct Footprint		MZ III	8471600	914399.7	87952491	8795.249
Proposed	Direct Footprint		MZ IV	11541296	1287075	1.21E+08	12103.67
Proposed	Direct Footprint		MZ V	3463986	101318.4	9079979	907.9979
Proposed	Direct Footprint		MZ VI	1102989	33163.53	3175821	317.5821

ribution_A	Management_Zone	Distribution_Percent
2214.147 MZ I		0.021469685
38822.8 MZ II		0.326017412
21733.53 MZ III		0.25654581
29908.82 MZ IV		0.259146149
2243.712 MZ V		0.064772529
784.7626 MZ VI		0.071148689

OBJECTID	INE_CLAS	ine_Status	AOI_Code	Igmt_zone	ST_MZ_Ac	ape_Leng	Shape_Are	ange_Hecta
1	HIGHv	Proposed	Direct Foot MZ I	46080299	1558024	1.57E+08	15702.8	
2	HIGHv	Proposed	Direct Foot MZ II	37021278	4586702	4.64E+08	46375.05	
3	HIGHv	Proposed	Direct Foot MZ III	28803339	2661501	2.67E+08	26724.06	
4	HIGHv	Proposed	Direct Foot MZ IV	38637313	4835284	4.83E+08	48297.25	
5	HIGHv	Proposed	Direct Foot MZ V	19346653	941831.4	93352238	9335.224	
6	HIGHv	Proposed	Direct Foot MZ VI	2757910	114203.4	11389936	1138.994	

Range_Acreage	ment_Znt_Range	_t_Range	Percent
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38802.47	MZ I	38802.47	0.084206
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114595.2	MZ II	114595.2	0.309539
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66036.59	MZ III	66036.59	0.229267
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119345.1	MZ IV	119345.1	0.308886
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23067.84	MZ V	23067.84	0.119234
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2814.515	MZ VI	2814.515	0.102052
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OBJECTID	INE_CLAS	line_Status	AOI_Code	Buff_Dist	lgmt_zone	ST_MZ_Ac	hape_Leng	hape_Area
1	HIGHv	Existing	Indirect For	10500	MZ I	46080299	5451165	4.53E+10
2	HIGHv	Existing	Indirect For	10500	MZ II	37021278	5724897	5.09E+10
3	HIGHv	Existing	Indirect For	10500	MZ III	28803339	7934470	3.65E+10
4	HIGHv	Existing	Indirect For	10500	MZ IV	38637313	8976160	5.48E+10
5	HIGHv	Existing	Indirect For	10500	MZ V	19346653	4317406	2.51E+10
6	HIGHv	Existing	Indirect For	10500	MZ VI	2757910	1144464	6.24E+09
7	HIGHv	Existing	Indirect For	10500	MZ VII	1180428	381499.8	5.19E+08
8	LOWv	Existing	Indirect For	2200	MZ I	46080299	4725861	8.74E+09
9	LOWv	Existing	Indirect For	2200	MZ II	37021278	4235497	8.78E+09
10	LOWv	Existing	Indirect For	2200	MZ III	28803339	1985427	2.79E+09
11	LOWv	Existing	Indirect For	2200	MZ IV	38637313	2458835	4.29E+09
12	LOWv	Existing	Indirect For	2200	MZ V	19346653	1811876	2.75E+09
13	LOWv	Existing	Indirect For	2200	MZ VI	2757910	626728.9	1.11E+09
14	LOWv	Existing	Indirect For	2200	MZ VII	1180428	29742.84	16667212

nge_Hectare
 range_Acreage
 ment_Znt_Range
 it_Range_Percent

4529799	11193378	MZ I	11193378	24.29103
5090646	12579259	MZ II	12579259	33.97846
3648248	9015016	MZ III	9015016	31.29851
5478694	13538149	MZ IV	13538149	35.03905
2508479	6198588	MZ V	6198588	32.03959
623659.1	1541095	MZ VI	1541095	55.8791
51947.66	128365.5	MZ VII	128365.5	10.87449
873840.6	2159307	MZ I	2159307	4.685966
878344.4	2170436	MZ II	2170436	5.862673
278573.3	688369.6	MZ III	688369.6	2.389895
429133.1	1060411	MZ IV	1060411	2.744526
275211.5	680062.5	MZ V	680062.5	3.515143
111094.8	274521.3	MZ VI	274521.3	9.953963
1666.721	4118.558	MZ VII	4118.558	0.348904

OBJECTID	INE_CLAS	ine_Status	AOI_Code	Buff_Dist	lgmt_zone	ST_MZ_Ac	hape_Leng	hape_Area
1	HIGHv	Proposed	Indirect For	10500	MZ I	10312901	1559240	1.1E+09
2	HIGHv	Proposed	Indirect For	10500	MZ II	11908198	7529204	1.04E+10
3	HIGHv	Proposed	Indirect For	10500	MZ III	8471600	5438675	8.83E+09
4	HIGHv	Proposed	Indirect For	10500	MZ IV	11541296	8162387	1.05E+10
5	HIGHv	Proposed	Indirect For	10500	MZ V	3463986	1653366	8.15E+08
6	HIGHv	Proposed	Indirect For	10500	MZ VI	1102989	269777.9	3.98E+08

tribution_Hec	tribution_A	agement_Zi	tribution_Percent
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110288.7	272529.3	MZ I	2.642606
1040922	2572175	MZ II	21.60004
883001.8	2181945	MZ III	25.756
1049181	2592583	MZ IV	22.46354
81466.82	201308.9	MZ V	5.811481
39769.23	98271.92	MZ VI	8.909597

OBJECTID	INE_CLAS	line_Status	AOI_Code	Buff_Dist	lgmt_zone	ST_MZ_A	chape_Leng	shape_Area
1	HIGHv	Existing	Indirect For	10500	MZ I	10312901	5269294	6.38E+09
2	HIGHv	Existing	Indirect For	10500	MZ II	11908198	12193002	1.75E+10
3	HIGHv	Existing	Indirect For	10500	MZ III	8471600	6336300	1.09E+10
4	HIGHv	Existing	Indirect For	10500	MZ IV	11541296	10813488	1.6E+10
5	HIGHv	Existing	Indirect For	10500	MZ V	3463986	5623091	4.71E+09
6	HIGHv	Existing	Indirect For	10500	MZ VI	1102989	1639638	2.49E+09
7	HIGHv	Existing	Indirect For	10500	MZ VII	161337.7	87911.96	33420668
8	LOWv	Existing	Indirect For	2200	MZ I	10312901	1778071	1.54E+09
9	LOWv	Existing	Indirect For	2200	MZ II	11908198	2463981	1.84E+09
10	LOWv	Existing	Indirect For	2200	MZ III	8471600	504524.1	5.72E+08
11	LOWv	Existing	Indirect For	2200	MZ IV	11541296	1169564	8.63E+08
12	LOWv	Existing	Indirect For	2200	MZ V	3463986	536224.4	2.95E+08
13	LOWv	Existing	Indirect For	2200	MZ VI	1102989	269945.3	3.95E+08
14	LOWv	Existing	Indirect For	2200	MZ VII	161337.7	28970.15	10993938

bution_Herribution_Agement_zibution_Percent

638138.4	1576874 MZ I	15.29031
1753348	4332616 MZ II	36.38348
1091193	2696396 MZ III	31.82865
1599677	3952888 MZ IV	34.24995
471177.5	1164305 MZ V	33.61171
249052.1	615421.1 MZ VI	55.79573
3342.067	8258.427 MZ VII	5.118722
154469.9	381703.4 MZ I	3.701222
183639.6	453783.4 MZ II	3.810681
57219.06	141391.4 MZ III	1.669005
86301.38	213255.4 MZ IV	1.847759
29512.99	72928.19 MZ V	2.105325
39461.86	97512.37 MZ VI	8.840735
1099.394	2716.661 MZ VII	1.683836

OBJECTID	INE_CLAS	ine_Status	AOI_Code	Buff_Dist	lgmt_zone	ST_MZ_Ac	hape_Leng	hape_Area
1	HIGHv	Proposed	Indirect For	10500	MZ I	46080299	1619106	1.39E+10
2	HIGHv	Proposed	Indirect For	10500	MZ II	37021278	2902715	3.01E+10
3	HIGHv	Proposed	Indirect For	10500	MZ III	28803339	4967382	2.53E+10
4	HIGHv	Proposed	Indirect For	10500	MZ IV	38637313	6638676	4.15E+10
5	HIGHv	Proposed	Indirect For	10500	MZ V	19346653	1918781	9.32E+09
6	HIGHv	Proposed	Indirect For	10500	MZ VI	2757910	177173.6	9.96E+08

Area	Range	Acres	Range	Range	Percent
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1389328	3433104	MZ I	3433104	7.450264	
3014663	7449395	MZ II	7449395	20.12193	
2526849	6243981	MZ III	6243981	21.67798	
4151046	10257459	MZ IV	10257459	26.54807	
931575.7	2301974	MZ V	2301974	11.89856	
99592.53	246098.5	MZ VI	246098.5	8.923369	