

Direct Disturbance				
Interstate Highways	Within Occupied Range		Intersect: Breeding Distribution	
Management Zone	Acres	%	Acres	%
MZ I	16,774	0.04	1,852	0.02
MZ II	15,251	0.04	1,122	0.01
MZ III	6,888	0.02	396	0.00
MZ IV	11,026	0.03	2,198	0.02
MZ V	994	0.01	0	0.0
MZ VI	1,772	0.06	411	0.04
MZ VII	0	0.00	0	0.0
Range wide ¹	52,704	0.0	5,979	0.0

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



Indirect Disturbance¹				
Interstate Highways	Within Occupied Range		Intersect: Breeding Distribution	
Management Zone	Acres	%	Acres	%
MZ I	2,752,289	6.0	321,332	3.1
MZ II	1,967,258	5.3	351,168	2.9
MZ III	1,052,355	3.7	96,415	1.1
MZ IV	1,964,764	5.1	326,407	2.8
MZ V	172,333	0.9	6,381	0.2
MZ VI	209,486	7.6	65,167	5.9
MZ VII	6,310	0.5	256	0.2
Range wide ²	8,124,796	4.67	1,167,126	2.49

¹ Indirect 7.5km radius buffer around Interstate Highways (Connelly et al. 2004).

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

Intersect: Population Index	
%	
	0.03
	0.01
	0.01
	0.02
	0.00
	0.03
	0.00



Intersect: Population Index	
%	
	4.18
	2.58
	1.38
	3.50
	0.01
	4.89
	0.12

mgmt_zone	ST_MZ_Ac	Shape_Length	Shape_Area	Range_Hectares
MZ I	4.6E+07	1248988.904	67881435	6788.143484
MZ II	3.7E+07	1147967.539	61717747	6171.774746
MZ III	2.9E+07	554051.0001	27873542	2787.35421
MZ IV	3.9E+07	859980.5278	44619174	4461.917422
MZ V	1.9E+07	80683.44115	4022744	402.274351
MZ VI	2757910	177559.9366	7169589	716.958949

Range_Acres	lanagement_Zon	Current_Range_Acres
16773.86785	MZ I	16773.86785
15250.78753	MZ II	15250.78753
6887.702254	MZ III	6887.702254
11025.63807	MZ IV	11025.63807
994.0415695	MZ V	994.0415695
1771.644146	MZ VI	1771.644146

Current_Range_Percent

0.036401387

0.041194654

0.02391286

0.028536244

0.005138054

0.06423865



OBJECTID	Road_Class	AOI_Code	Mgmt_zones	FIRST_MZ_Acres	Shape_Leng
1	Interstate	Direct Foot	MZ I	10312900.78	146551.5
2	Interstate	Direct Foot	MZ II	11908197.73	89240.48
3	Interstate	Direct Foot	MZ III	8471599.596	33787.99
4	Interstate	Direct Foot	MZ IV	11541296.05	175567.8
5	Interstate	Direct Foot	MZ VI	1102989.484	47935.02

Shape_Area	Distribution_Hectares	Distribution_Acres
7495248.463	749.5248463	1852.116231
4542558.428	454.2558428	1122.490633
1601605.241	160.1605241	395.7652741
8894969.691	889.4969691	2197.994879
1661888.954	166.1888954	410.6617039

Management_Zone	Distribution_Percent
MZ I	0.017959217
MZ II	0.009426201
MZ III	0.004671671
MZ IV	0.01904461
MZ VI	0.037231697

OBJECTID	Road_Class	BUFF_DIST	AOI_Code	gmt_zone	ST_MZ_Ac	hape_Leng	Shape_Area	ange_Hecta
1	Interstate	7463.4	Indirect For	MZ I	46080299	2547611	1.11E+10	1113812
2	Interstate	7463.4	Indirect For	MZ II	37021278	1301547	7.96E+09	796121.3
3	Interstate	7463.4	Indirect For	MZ III	28803339	1636905	4.26E+09	425873
4	Interstate	7463.4	Indirect For	MZ IV	38637313	2464905	7.95E+09	795111.7
5	Interstate	7463.4	Indirect For	MZ V	19346653	286718.2	6.97E+08	69740.81
6	Interstate	7463.4	Indirect For	MZ VI	2757910	285191.1	8.48E+08	84775.85
7	Interstate	7463.4	Indirect For	MZ VII	1180428	24949.03	25536944	2553.694

Range_Acreage	ment_znt_Range	_t_Range	Percent
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2752289 MZ I	2752289	5.972811
1967258 MZ II	1967258	5.313859
1052355 MZ III	1052355	3.653587
1964764 MZ IV	1964764	5.085146
172333.3 MZ V	172333.3	0.890765
209485.7 MZ VI	209485.7	7.595813
6310.316 MZ VII	6310.316	0.534579

OBJECTID	Road_Class	BUFF_DIST	AOI_Code	gmt_zone	ST_MZ_Ac	hape_Leng	Shape_Area	tribution_Hec
1	Interstate	7463.4	Indirect For	MZ I	10312901	1128234	1.3E+09	130038.3
2	Interstate	7463.4	Indirect For	MZ II	11908198	1692756	1.42E+09	142112.7
3	Interstate	7463.4	Indirect For	MZ III	8471600	431210.3	3.9E+08	39017.95
4	Interstate	7463.4	Indirect For	MZ IV	11541296	1295991	1.32E+09	132092.1
5	Interstate	7463.4	Indirect For	MZ V	3463986	100876.1	25822092	2582.209
6	Interstate	7463.4	Indirect For	MZ VI	1102989	207322.9	2.64E+08	26371.98
7	Interstate	7463.4	Indirect For	MZ VII	161337.7	10577.28	1036800	103.68

tribution_Aagement_zibution_Percent

321331.7 MZ I	3.115823
351168.1 MZ II	2.948961
96415.46 MZ III	1.138102
326406.7 MZ IV	2.828164
6380.778 MZ V	0.184203
65166.59 MZ VI	5.908178
256.1988 MZ VII	0.158797

OBJECTID	gmt_zone	input_Acre	input_Hectar	shape_Leng	shape_Are	mPop	IndxlutSum	PopPerc	PopInd
1	MZ I	16773.87	6788.144	1248989	67881435	302415.6	78.69283	0.026021	
2	MZ II	15250.79	6171.775	1147968	61717746	519015.6	76.76887	0.014791	
3	MZ III	6887.702	2787.354	554051	27873542	223621.8	14.01394	0.006267	
4	MZ IV	11025.64	4461.917	859980.5	44619174	368616.1	67.88052	0.018415	
5	MZ V	994.0416	402.2744	80683.44	4022744	260404.8	0.182601	7.01E-05	
6	MZ VI	1771.644	716.959	177559.9	7169590	48986.14	12.4018	0.025317	

OBJECTID	gmt_zonen	input_Acre	put_Hectar	hape_Leng	shape_Are:	mPopIndx	lutSumPop	PercPopInd
1	MZ I	2752289	1113812	2547611	1.11E+10	302415.6	12633.79	4.177625
2	MZ II	1967258	796121.3	1301547	7.96E+09	519015.6	13391.41	2.580156
3	MZ III	1052355	425873	1636905	4.26E+09	223621.8	3075.628	1.37537
4	MZ IV	1964764	795111.7	2464905	7.95E+09	368616.1	12912.34	3.502924
5	MZ V	172333.3	69740.81	286718.2	6.97E+08	260404.8	37.09499	0.014245
6	MZ VI	209485.7	84775.85	285191.1	8.48E+08	48986.14	2396.065	4.891312
7	MZ VII	6310.316	2553.694	24949.03	25536944	18556.69	22.79015	0.122814

