

Direct Disturbance	Urban and Exurban Development ¹				
	Within Occupied				Intersect: Breeding Distribution
	Range				
	Management Zone	Urban Class	Acres	%	
MZ I	Urban (up to 1 ac)	13,058	0.03	299	0.00
	Exurban (1 - 40 ac)	112,692	0.24	2,983	0.03
	Urban Other	10,960	0.02	357	0.00
MZ II	Urban (up to 1 ac)	14,114	0.04	343	0.00
	Exurban (1 - 40 ac)	237,371	0.64	22,827	0.19
	Urban Other	14,371	0.04	456	0.00
MZ III	Urban (up to 1 ac)	5,275	0.02	856	0.01
	Exurban (1 - 40 ac)	138,956	0.48	33,757	0.40
	Urban Other	5,487	0.02	834	0.01
MZ IV	Urban (up to 1 ac)	1,719	0.00	736	0.01
	Exurban (1 - 40 ac)	65,578	0.17	9,544	0.08
	Urban Other	5,295	0.01	1,148	0.01
MZ V	Urban (up to 1 ac)	10,982	0.06	0	0.00
	Exurban (1 - 40 ac)	88,109	0.46	1,603	0.05
	Urban Other	6,732	0.03	0	0.00
MZ VI	Urban (up to 1 ac)	1,065	0.04	47	0.00
	Exurban (1 - 40 ac)	18,881	0.68	368	0.03
	Urban Other	640	0.02	53	0.00
MZ VII	Urban (up to 1 ac)	6	0.00	0	0.00
	Exurban (1 - 40 ac)	162	0.01	0	0.00
	Urban Other	2	0.00	0	0.00
Range wide ²		751,453	0.004	76,212	0.002

¹ Urban Residential (up to 1 ac), Exurban Residential (1 - 40 ac), and Urban Other

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



Urban and Exurban Development ¹				
Within Occupied Range		Intersect: Breeding Distribution		Intersect: Population Index
Acres	%	Acres	%	%
4,335,812	9.4	352,966	3.4	tbd
6,429,994	17.4	1,111,211	9.3	tbd
2,667,817	9.3	803,257	9.5	tbd
5,703,315	14.8	1,122,423	9.7	tbd
1,705,838	8.8	71,708	2.1	tbd
630,275	22.9	98,141	8.9	tbd
47,341	4.0	3,327	2.1	tbd
21,520,392	0.1	3,563,034	0.1	tbd

at area of disturbance related to increased predator (corvid) densities near urban/suburban areas (Bui et al. 2019), Exurban Residential (1 - 40 ac), and Urban Other combined for indirect disturbance buffer.

not include Bi-State population or the Canadian portion of the range.

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OBJECTID	Legend	Mgmt_zones	FIRST_MZ_Acres
1	Exurban ('MZ I		46080299
2	Exurban ('MZ II		37021278
3	Exurban ('MZ III		28803339
4	Exurban ('MZ IV		38637313
5	Exurban ('MZ V		19346653
6	Exurban ('MZ VI		2757910
7	Exurban ('MZ VII		1180428
8	Urban (up MZ I		46080299
9	Urban (up MZ II		37021278
10	Urban (up MZ III		28803339
11	Urban (up MZ IV		38637313
12	Urban (up MZ V		19346653
13	Urban (up MZ VI		2757910
14	Urban (up MZ VII		1180428
15	Urban Oth MZ I		46080299
16	Urban Oth MZ II		37021278
17	Urban Oth MZ III		28803339
18	Urban Oth MZ IV		38637313
19	Urban Oth MZ V		19346653
20	Urban Oth MZ VI		2757910
21	Urban Oth MZ VII		1180428

Shape_Length	Shape_Area	Range_Hectares
5534916.004	456046443.6	45604.64436
12147035.91	960605422.3	96060.54223
4476638.404	562333347.6	56233.33476
4744127.266	265383921.3	26538.39213
3259982.477	356563686	35656.3686
919699.1893	76408719.57	7640.871957
13126.01589	654700.9535	65.47009535
1076863.687	52845726.03	5284.572603
1353152.412	57115640.88	5711.564088
691368.1747	21348195.54	2134.819554
256218.4628	6954792.483	695.4792483
749730.6901	44442699.57	4444.269957
123366.957	4308889.196	430.8889196
1259.546324	24299.99476	2.429999476
1351939.059	44353180.12	4435.318012
1994688.495	58155818.86	5815.581886
686173.7341	22205951.81	2220.595181
991700.9623	21427588.13	2142.758813
718095.3993	27244868.32	2724.486832
127457.1045	2591659.811	259.1659811
361.0489255	6299.999081	0.629999908

Range_Acres	Management_Zone	Current_Range_Acres
112691.5304	MZ I	112691.5304
237370.7693	MZ II	237370.7693
138955.5964	MZ III	138955.5964
65577.7951	MZ IV	65577.7951
88108.80564	MZ V	88108.80564
18881.0058	MZ VI	18881.0058
161.7801289	MZ VII	161.7801289
13058.46329	MZ I	13058.46329
14113.58223	MZ II	14113.58223
5275.254001	MZ III	5275.254001
1718.56665	MZ IV	1718.56665
10982.03023	MZ V	10982.03023
1064.749709	MZ VI	1064.749709
6.004659474	MZ VII	6.004659474
10959.90949	MZ I	10959.90949
14370.6158	MZ II	14370.6158
5487.210192	MZ III	5487.210192
5294.872338	MZ IV	5294.872338
6732.35358	MZ V	6732.35358
640.4130862	MZ VI	640.4130862
1.556763676	MZ VII	1.556763676

Current_Range_Percent

0.244554686
0.641173893
0.482428778
0.169726593
0.45542144
0.684612833
0.013705209
0.028338495
0.038122893
0.018314731
0.004447946
0.056764497
0.038607123
0.000508685
0.023784371
0.038817179
0.019050604
0.013704039
0.034798544
0.023220957
0.000131881



OBJECTID	Legend	mgmt_zone	IRST_MZ_Acre	Shape_Length	Shape_Area
1	Exurban (1 MZ I		10312900.78	177590.3226	12072003
2	Exurban (1 MZ II		11908197.73	1082920.578	92379307
3	Exurban (1 MZ III		8471599.596	1186438.922	1.37E+08
4	Exurban (1 MZ IV		11541296.05	593096.2175	38624863
5	Exurban (1 MZ V		3463986.491	63693.25568	6486498
6	Exurban (1 MZ VI		1102989.484	29402.10785	1489208
7	Urban (up t MZ I		10312900.78	30816.97731	1209819
8	Urban (up t MZ II		11908197.73	50086.65488	1388700
9	Urban (up t MZ III		8471599.596	98141.20325	3463422
10	Urban (up t MZ IV		11541296.05	89053.38287	2976761
11	Urban (up t MZ VI		1102989.484	7258.349888	189039.4
12	Urban Othe MZ I		10312900.78	52880.73181	1443227
13	Urban Othe MZ II		11908197.73	76277.56994	1846378
14	Urban Othe MZ III		8471599.596	136715.7948	3375547
15	Urban Othe MZ IV		11541296.05	199643.8133	4647033
16	Urban Othe MZ VI		1102989.484	8477.04296	215673.1

Distribution_Hectares	Distribution_Acres	Management_Zone
1207.200329	2983.056978	MZ I
9237.930653	22827.42378	MZ II
13661.12414	33757.37292	MZ III
3862.486329	9544.411578	MZ IV
648.6497984	1602.848559	MZ V
148.9208299	367.9913848	MZ VI
120.981937	298.952877	MZ I
138.8700034	343.1552515	MZ II
346.3421902	855.8301903	MZ III
297.6761071	735.5736801	MZ IV
18.90394449	46.71266416	MZ VI
144.322693	356.6291412	MZ I
184.63778	456.2498905	MZ II
337.5546835	834.1157884	MZ III
464.7033433	1148.306969	MZ IV
21.56730728	53.29397694	MZ VI

Distribution_Percent

0.028925489
0.191695035
0.398476965
0.082697918
0.04627179
0.033363091
0.002898824
0.002881672
0.010102345
0.006373406
0.004235096
0.003458088
0.003831393
0.009846025
0.00994955
0.004831776

OBJECTID	BUFF_DIST	AOI_Code	lgmt_zone	ST_MZ_Ac	shape_Length	shape_Area	range_Hectal	range_Acre
1	3000	Urban Indir MZ I		46080299	9527972	1.75E+10	1754641	4335812
2	3000	Urban Indir MZ II		37021278	11024081	2.6E+10	2602126	6429994
3	3000	Urban Indir MZ III		28803339	5614585	1.08E+10	1079627	2667817
4	3000	Urban Indir MZ IV		38637313	12159454	2.31E+10	2308050	5703315
5	3000	Urban Indir MZ V		19346653	4109696	6.9E+09	690328.3	1705838
6	3000	Urban Indir MZ VI		2757910	1679047	2.55E+09	255063.1	630274.6
7	3000	Urban Indir MZ VII		1180428	253571.5	1.92E+08	19158.4	47341.44

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MZ I	4335812	9.409253
MZ II	6429994	17.36837
MZ III	2667817	9.26218
MZ IV	5703315	14.76116
MZ V	1705838	8.817227
MZ VI	630274.6	22.85334
MZ VII	47341.44	4.010532

OBJECTID	BUFF_DIST	AOI_Code	lgmt_zone	ST_MZ_A	shape_Length	shape_Area	tribution_Her	tribution_A
1	3000	Urban Indir MZ I	10312901	2221053	1.43E+09	142840.4	352966.3	
2	3000	Urban Indir MZ II	11908198	5572833	4.5E+09	449691.1	1111211	
3	3000	Urban Indir MZ III	8471600	3083006	3.25E+09	325066.6	803257	
4	3000	Urban Indir MZ IV	11541296	6120199	4.54E+09	454228.5	1122423	
5	3000	Urban Indir MZ V	3463986	860544.2	2.9E+08	29019.26	71708.14	
6	3000	Urban Indir MZ VI	1102989	653216.9	3.97E+08	39716.25	98140.98	
7	3000	Urban Indir MZ VII	161337.7	31738.25	13464553	1346.455	3327.163	

agement_zibution_Percent

MZ I	3.42257
MZ II	9.331479
MZ III	9.481763
MZ IV	9.725278
MZ V	2.070105
MZ VI	8.897726
MZ VII	2.062236