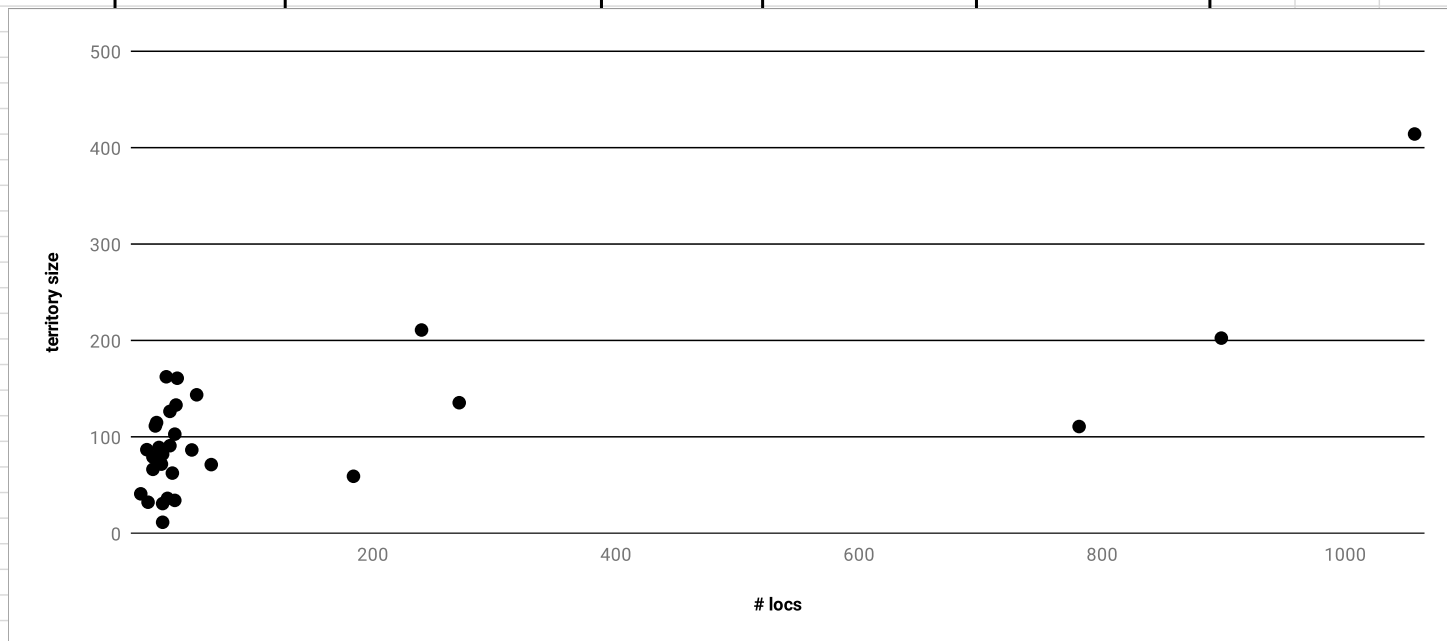


Pack ID	Winter Pack Size	Territory Size (km <sup>2</sup> )
D1	5	82
D2	5	122
D3	5	71
D4	5	88
D5	5	120
D6	6	85
D7	6	119
M1	3	138
M2	3	45
M3	3	324
M4	2	230
M5	5	211
M6	5	347
M7	7	143
M8	6	152
M9	8	88
M10	7	59
M11	6	67
M12	3	94
M13	6	65
M14	9	182
M15	7	25
M16	2	91
M17	4	92
M18	10	107
M19	5	153
M20	8	106
M21	6	153
W1	5	174
W2	4	267
W3	4	179
W4	3	78
R1	7	214
R2	5	231
A1	8	211
A2	7	91
mean	5.4	139.0
D=DNR		
M=Mech		
R=Ripley		
W=Wisconsin		
A=Agassiz		

Pack ID	Winter Pack Size	Territory Size (km2)	# telem. Locations	Location Date Range	Comments
DShingleMill	5	133.29	164	Considered locations from 1998-2004 - see GIS project	
DDirtyNose	4	122	97	Considered locations from 1998-2004 - see GIS project	
DWillow	5	84.34	50	Considered locations from 1998-2004 - see GIS project	
DSmithCreek	2	32.97	20	Considered locations from 1998-2004 - see GIS project	
DMorrisonBrook	3	50.59	67	Considered locations from 1998-2004 - see GIS project	
DInguadanaWest	2	127.48	68	Considered locations from 1998-2004 - see GIS project	
DInguadanaEast	6	100.67	60	Considered locations from 1998-2004 - see GIS project	
M845	6	29.36	11	Dec.1 - Mar 31	
M861/887	3	55.91	9	Dec.1 - Mar 31	
M911	7	79.74	12	Dec.1 - Mar 31	
M811	5	49.05	9	Dec.1 - Mar 31	
M893	5	37.91	10	Dec.1 - Mar 31	
M879/881/889	7	129.44	27	Dec.1 - Mar 31	
M905	6	136.38	14	Dec.1 - Mar 31	
M891	4	104.77	15	Dec.1 - Mar 31	
M801	7	56.05	13	Dec.1 - Mar 31	
M907	9	115.98	9	Dec.1 - Mar 31	
M913	6	73.37	9	Dec.1 - Mar 31	
M853	NA	62.79	6	Dec.1 - Mar 31	
Ma	2	235.43	0	NA	no wolves monitored this winter; based on previous knowledge, and limited track observations in current winter
Mb	6	274.77	0	NA	no wolves monitored this winter; based on previous knowledge, and limited track observations in current winter
Mc	6	45.23	0	NA	no wolves monitored this winter; based on previous knowledge, and limited track observations in current winter
RNorth	10	175.61	254	May03-May04	only used 254 points - removed satellite locs with accuracy codes of 0, A, and B
RSouth	6	67.38	32	May03-May04	
W388	5	131.8	32	May03-May04	
sum	127	2512.31			
mean	5.29	100.49	40		
median	5.50	84.34	14		
D=DNR					
M=Mech					
R=Ripley					
W=Wisconsin					

Pack ID	Winter Pack Size	Winter Territory Size (km2) (MCP)	# telem. Locations	Location Date Range	Comments
DNRWillow	7	89.4	24	annual	
DNRShingleMill	3	71.6	67	annual	
DNRDirtyNose	4	86.8	51	annual	
DNRIngyEast	5	135.8	271	annual	pack count from tracks
DNRIngyWest	7	111.1	781	annual	
DNRSmithCreek	loner - not useable			annual	
DNRToimi	6	144	55	annual	
DNRCadotte	7	62.8	35	annual	
DNRSandLake	4	161.2	39	annual	pack count from tracks
DNRWhiteface	2	103.2	37	annual	
DNRSpina	3	414.5	1057	8 mo	
DNRNorris	5	202.8	898	8 mo	pack count from tracks
DNRSchwartz	4	211.2	240	2.5 mo	pack count from tracks
DNRBankton		no data		8 mo	estimated pack size = 3.
1854-490	3	59.5	184	~ 9mo?	
WIFoxboro	3	126.82	33	annual	
WITruckTrail	4	82.43	27	annual	
M919	5	32.6	15		
M911	5	36.6	31		
M877	2	34.5	37		
M945	8	91.2	33		
M7001	2	72.1	26		
M963	3	31.2	27		
M989-7013	10	133.4	38		
M937-7023	7	111.7	21		
M939	2	87.1	14		
M977	4	41.3	9		
M995-997	7	162.7	30		
M973-999	7	79.5	19		
M955	3	11.8	27		
M7003	5	66.7	19		
M951	7	115.2	22		
Ripley North	8	95.2	93	annual	
Ripley South	6	56.3	12	annual	1 point subjectively added to make territory match field knowledge
sum	158	3322.25			
mean	4.94	103.82	134		
median	5.00	88.25	33		
max	10	414.5	1057		
min	2	11.8	9		



Wolf ID	Area	Winter Pack Size	Territory Size Km2 (MCP)	Territory Size Mi2 (MCP)	Territory Scale Factor	Scaled Territory Size km2 (MCP)	# Telemetry Locations	Comments	Location_Start_Date	Location_End_Date
VNP	VNP GPS	6	174.97	67.56	1.00	174.97	303		10/20/2012	3/26/13
1854 GPS	1854 GPS	6	100.58	38.84	1.00	100.58	387		1/3/2012	1/29/13
2359	Twin Lakes	4	71.78	27.71	1.00	71.78	566		5/9/2012	7/21/12
Tribal	Lower Red Lake	5	209.01	80.70	1.00	209.01	573	a count of 6 tracks also recorded, but on edge of territory so didn't use	5/8/2012	1/19/13
2159 B	Fond du Lac	2	206.55	79.75	1.00	206.55	614		1/15/2013	4/30/13
2458	Bankton	2	370.47	143.04	1.00	370.47	674	Used post-dispersal points for 2458	11/17/2012	5/5/13
2726	Wisner		233.98	90.34	1.00	233.98	1518	no pack count obtained before death, but clearly a pack originally	need data	need data
2355	Sugar Lake	6	220.65	85.19	1.00	220.65	2095		5/9/2012	12/17/12
2159 A	Fond du Lac		164.95	63.69	1.00	164.95	2095	Use territory; no reliable count before dispersal	9/16/2012	1/14/13
2728	Littlefork	2	121.55	46.93	1.00	121.55	2132	Used post-dispersal points	10/13/2012	5/4/13
2738	Itasca	5	127.98	49.41	1.00	127.98	2216		10/7/2012	4/7/13
2155	Fond du Lac	5	124.66	48.13	1.00	124.66	2450		8/27/2012	1/14/13
2353	Inguadana	4	165.09	63.74	1.00	165.09	2606		5/8/2012	1/19/13
2730	Nett Lake	4	144.49	55.79	1.00	144.49	2689	Used pre-dispersal points	8/20/2012	12/19/12
2736	Rapid River	5	163.99	63.32	1.00	163.99	2744		9/1/2012	4/19/13
2732	Pelican	3	212.88	82.19	1.00	212.88	3412		8/20/2012	5/6/13
2456 /58	Bankton	5	485.21	187.34	1.00	485.21	3662	Used pre-dispersal point for 2458 and all of 2456	9/15/2012	4/5/13
2366	Turnip Patch	2	115.71	44.67	1.00	115.71	3987		7/20/2012	5/7/13
2351/57	Merge Shi Hol	3	156.00	60.23	1.00	156.00	4840	Used all points from both 2351 and 2357	5/4/2012	4/1/13
SNF_185	Pagami	5	85.40	32.97	1.37	116.99	13	initially a disperser, Used data after Feb 5th 2013	2/5/2013	5/6/13
Ripley	Alexander	2	15.70	6.06	1.37	21.51	18		7/16/2012	2/8/13
1854 2	1854 2 VHF	3	9.25	3.57	1.37	12.67	21		9/6/2012	4/23/13
2455	W Hwy 71	2	51.18	19.76	1.37	70.12	22		9/20/2012	5/3/13
1854 1	1854 1 VHF	8	36.01	13.90	1.37	49.34	24		7/28/2012	4/23/13
SNF_7190	Birch Dam	6	39.29	15.17	1.37	53.83	24		7/2/2012	5/6/13
SNF_7183	Makwa	4	268.42	103.64	1.37	367.74	37	4 tracks once by Shannon	11/14/2011	3/13/13
Ripley	North Pack	6	56.31	21.74	1.37	77.15	38		4/9/2012	2/21/13
SNF_7117	Nip	3	111.04	42.87	1.37	152.13	39		11/29/2011	5/6/13
SNF_7195/97	McDougal	2	51.23	19.78	1.37	70.19	39	combined points from 7195 and 7197	8/8/2012	5/6/13
SNF_7087	Perent S	5	192.78	74.43	1.37	264.11	40		11/29/2011	5/6/13
Ripley	Miller Lake	10	81.84	31.60	1.37	112.12	44		4/9/2012	2/14/13
SNF_7107	Moose	5	74.68	28.84	1.37	102.32	44		11/14/2011	5/6/13
SNF_7175	Pike	4	44.28	17.10	1.37	60.67	48		11/29/2011	5/6/13
SNF_7172/67	Mitawan	5	187.00	72.20	1.37	256.18	63	Combined points from 7167 and 7172	11/29/2011	5/6/13
2425	Rice Lake GR	3	59.80	23.09	1.37	81.93	80	Min 2 from USDA trapper who caught collared wolf; county forester recorded 3 tracks once	11/17/2010	11/19/12
SNF_7109/98	Ensign	4	263.72	101.82	1.37	361.30	83		11/14/2011	5/6/13
	<b>AVERAGES</b>	<b>4.29</b>	<b>144.40</b>	<b>55.75</b>		<b>161.13</b>				
<b>Not Used</b>										
Wisc_776	Wisc 3	2	74.45	28.75	1.37	102.00	52		4/19/2012	4/10/13
Wisc_760	Wisc 1	3	114.14	44.07	1.37	156.37	47		4/19/2012	4/10/13
Wisc_564	Wisc 2	4	17.87	6.90	1.37	24.48	14		4/19/2012	7/9/12

Pack_Name	Area	Agency	Wolf_ID(s)	Telem_Folder	Date_First_Location	Date_Last_Location	#_MCP_Pts	MCP_Sq_Km	Scaling_Factor	Adjusted_Sq_Km	MCP_Sq_Mi	Winter Pack Size	Comments
Mitawan Lake	Mech	USGS	7172	7172	4/2/2013	4/18/2014	40	120	1.37	164.4	46	5	
Tomahawk Trail	Mech	USGS	7173	7173	9/3/2013	4/18/2014							did not feel reliable territory could be generated; would have overlapped many packs ; 2 wolves, suspect it to be a wandering pair (maybe the 2 that disappeared from Pagami Pack?); chose not to use
Perch Lake	Mech	USGS	7196	7196	11/13/2013	4/18/2014	11	15	1.37	20.55	6	2	
McDougal Lakes West	Mech	USGS	7197	7197	4/2/2013	2/5/2014	29	82	1.37	112.34	32	4	
S Snowbank Lake	Mech	USGS	7207	7207	7/1/2013	4/18/2014	31	93	1.37	127.41	36	5	
Muskeg Lake	Mech	USGS	7211	7211	8/1/2013	2/14/2014	508	259	1	259	100	11	combo of irridium data and aerial telem, no irridium locations 1/15/14 until 4/5/14, didn't use April locations from either source.
White Iron Lake	Mech	USGS	7215	7215	8/21/2013	4/18/2014	26	17	1.37	23.29	7	2	
Farm Lake	Mech	USGS	7217	7217	9/3/2013	4/18/2014	22	18	1.37	24.66	7	2	
Birch Lake West	Mech	USGS	7218	7218	11/13/2013	4/18/2014	17	50	1.37	68.5	19	2	
Phoebe Lake	Mech	USGS	7224	7224	9/23/2013	4/2/2014	14	140	1.37	191.8	54	4	maybe 5 wolves; used 4/2 loc because pack was observed together; excluded other April points due to marginal 5km cutoff and seemed to be other side of likely road boundary
Ensign Lake	Mech	USGS	7226	7226	10/21/2013	4/9/2014	940	374	1	374	144	2	
Omaday Lake	Mech	USGS	7117/7205	Pack26_OmadayLk	4/2/2013	4/18/2014	61	116	1.37	158.92	45	5	possibly 6 wolves in December
Pike Lake	Mech	USGS	7174/7175/7209	Pack33_PikeLk	7/15/2013	4/18/2014	74	99	1.37	135.63	38	5	
Pagami Lake	Mech	USGS	7174/7185	Pack29_PagamiLk	4/2/2013	4/18/2014	42	155	1.37	212.35	60	2	4 wolves in September;
Ripley North	Camp Ripley	DNR/DOD	40	North_Pack	5/22/2013	3/12/2014	25	79	1.37	108.23	31	4	
Ripley South	Camp Ripley	DNR/DOD	44/45	Miller Lake	6/10/2013	11/1/2013	10	82	1.37	112.34	32	6	
Independence	Duluth	1854 Auth.	1854-1	1854-1	4/2/2013	4/2/2014	26	53	1.37	72.61	21	7	
Thirty-Six Lake	FDL	DNR	2706	2706	10/4/2013	3/31/2014	1032	66	1	66	25	7	
Laura Lake	Grand Rapids	DNR	2543	2543	10/16/2013	3/31/2014	902	222	1	222	86	4	many subjective decisions on territory a result of deer likely moving to yards as well as this wolf exhibiting many exploratory movements;
Inguadona	Grand Rapids	DNR	2701	2701	9/8/2013	3/22/2014	1086	146	1	146	56	6	
Shingle Mill	Grand Rapids	DNR	2536/2545	Pack17_ShingleMill	10/10/2013	3/31/2014	1343	212	1	212	82	8	
Rice Lake	Grand Rapids	DNR	2531	2531	1/22/2014	3/31/2014	408	111	1	111	43	3	
Two Inlets	Park Rapids	DNR	2455/2480	Pack14_TwoInlets	4/2/2013	3/31/2014	1213	185	1	185	72	4	
Lake George	Park Rapids	DNR	2743/2747	Pack13_LkGeorge	9/9/2013	3/31/2014	2167	250	1	250	97	4	1 wolf had clear territory, while the other used same but also 'pushed outward' regularly as well at made some longer exploratory movements; subjectively decided to include some of it's 'outward pushes' given unlikely another pack used those areas
Itasca SP	Park Rapids	DNR	2160	2160	10/25/2013	11/11/2013							only 3 weeks of locations; wolf died before pack counts; chose not to use
Morrison Lake	Red Lake	Red Lake Band	?	Pack22_MorrisonLk	7/19/2013	1/23/2014	701	207	1	207	80	2	Estimate 2-3
Moose River Lake	Red Lake	Red Lake Band	?	Pack23_MooseRiverRd	5/9/2013	4/8/2014	859	477	1	477	184	4	Estimate 4-5; could probably have excluded a few 'outward push' movements, but chose to leave since several (not all) were likely into areas not likely used by another pack
River Road	Red Lake	Red Lake Band	?	Pack24_RiverRd	6/7/2013	4/10/2014	818	409	1	409	158	4	Estimate 4-5
NW Angle	Red Lake	Red Lake Band	?	Pack25_NWAngle	9/16/2013	4/11/2014	1369	204	1	204	79	3	Estimate 3-5
Nelson	Red Lake	Red Lake Band	F2013-01	RL_F2013-01	5/19/2013	7/14/2013							Estimate 2-3; only ~ 2 mo. of locations, during potential denning season; not utilized, though could have used estimated pack size
	Red Lake	Red Lake Band	F2013-04	in Red Lake folder									Estimate 4-5, pack at west end Upper Red; wolf dispersed then died before enough points in suspected original territory; not utilized, though could have used estimated pack size
Hiwood	Red Lake	Red Lake Band	F2013-23	RL_F2013-23	7/31/2013	12/28/2013	731	156	1	156	60	2	Estimate 2-3, last location 12/15/13, mort?
Butcher Knife? (BK)	Red Lake	Red Lake Band	M2012-01	RL_M2012-01	4/13/2013	8/23/2013							Estimate 4-5; only 10 locations in in first 4 months of BY 2013 so decided not to generate territory; not utilized, though could have used estimated pack size
Seeoh	Red Lake	Red Lake Band	M2013-06	RL_M2013-06	7/14/2013	12/9/2013	384	103	1	103	40	2	Estimate 2-3, last location 10/28/13, mort?
Namakan	VNP	NPS	V007	V007	4/6/2013	3/28/2014	313	137	1	137	53	6	
Crane Lake	VNP	NPS	V008	V008	7/11/2013	3/31/2014	858	195	1	195	75	6	
Ash River Trail West	VNP	NPS	V009	V009	6/27/2013	3/31/2014	1537	138	1	138	53	8	
North Pelican	VNP	NPS	V011	V011	7/13/2013	12/12/2013	178	95	1	95	37		V011_MCP prior to dispersal 12/4/13; no pack count prior to dispersal, but felt it was likely same pack as last year and territory data was sufficient to use
Vermillion River (?)	VNP	NPS	V011	V011	1/4/2014	3/27/2014	167	124	1	124	48	3	V011_MCP territory after dispersal;
Echo Lake East	VNP	NPS	V012	V012	7/28/2013	3/28/2014	12	52	1.37	71.24	20	4	SOB collar; <b>maybe revise territory after collar drops this summer</b>
Ash River Trail East	VNP	NPS	V013	V013	8/1/2013	8/29/2013	108	60	1	60	23		only a month of locations, before went missing or collar failed; no pack count but territory seems reliable
SW Kab	VNP	NPS	V015/V017/V003	Pack3_SWKab	4/10/2013	3/28/2014	84	45	1.37	61.65	18	4	SOB collar; <b>maybe revise territory after collar drops this summer</b>
Shoepack / Agnes Lake	VNP	NPS	V020/V022	V020	7/21/2013	3/28/2014	120	77	1	77	30	8	V020 Iridium quit, so only 11 VHF locs post December; V022 Iridium data for 1 month (also quit) suggested overlap, so merged as same pack
Long Lake West	VNP	NPS	V021	V021	7/28/2013	3/28/2014	10	72	1.37	98.64	28	2	SOB collar; <b>maybe revise territory after collar drops this summer; for now, dropped southernmost point</b>
Alexander Lake	Camp Ripley	DNR/DOD	36	Alexander Lake	6/14/2013	11/22/2013	10	22	1.37	30.14	9		no pack count obtained. Collared wolf died and no snow track searches
							if<101 pts, average = 30.22222222		averages	150.04		4.38	
							if>100 pts, average = 806.4545455						
							# packs with <101 pts=	18					
							# packs with >100 pts=	22					

Wolf_ID(s)	Agency	Area	Pack_Name	Status	Freq	Collar Type	Telem_Folder	Date_First_Location	Date_Last_Location	#_MCP_Pts	MCP_Sq_Km	Scaling_Factor	Adjusted_Sq_Km	MCP_Sq_Mi	Winter Pack Size	Comments
1854-1	DNR	Duluth	Independence	active	167.698	VHF	1854-1	4/2/2014	4/25/2015	26	59	1.37	80.83		7	
W13-2706	DNR	FDL	Cromwell NE	dead	166.250	satellite	W13-2706	4/1/2014	2/24/2015	1795	84	1	84		4	
W14-6160	DNR	FDL	Deadfish	dead	166.160	satellite	W14-6160	8/13/2014	1/18/2015	828	234	1	234		13	
W13-2543	DNR	Grand Rapids	Laura Lake	active	166.060	satellite	W13-2543	4/1/2014	3/13/2015	1565	319	1	319		3	hand drew this one due to very irregular shape and behavior
W13-2701	DNR	Grand Rapids	Inguadana	active	166.020	satellite - only VHF works	W13-2701	4/1/2014	3/26/2015	459	136	1	136		6	
W14-2284	DNR	Grand Rapids	Smith Creek	active	166.360	satellite	W14-2284	6/27/2014	3/31/2015	1505	142	1	142		5	
W14-2478	DNR	Grand Rapids	Birch Lake	active	166.220	satellite	W14-2478	7/7/2014	3/31/2015	1487	109	1	109		6	
W14-2531	DNR	Grand Rapids	Rice Lake	active	166.200	satellite	W14-2531	4/1/2014	3/31/2015	1974	126	1	126		8	
W14-2536	DNR	Grand Rapids	Shingle Mill	missing	166.170	satellite	W14-2536	4/1/2014	1/19/2015	1397	176	1	176			
W15-2429	DNR	Northome	E. Gemmel Rd	active	166.480	satellite	W15-2429	2/16/2015	4/9/2015	248	283	1	283		2	
W13-2743	DNR	Park Rapids/Bemidji	Lake George 1	dead	166.140	satellite	W13-2743	4/1/2014	11/15/2014	1159	116	1	116		4	
W13-2747	DNR	Park Rapids/Bemidji	Lake George 2	missing	166.280	satellite	W13-2747	4/1/2014	1/13/2015	1511	166	1	166		4	
W14-2501/W15-2646	DNR	Park Rapids/Bemidji	Itasca SP	active	166.080/166.420	satellite	W14-2501_W15-2646	10/26/2014	3/31/2015	1183	141	1	141		8	
W14-2503	DNR	Park Rapids/Bemidji	Tamarack	active	166.500	satellite	W14-2503	10/31/2014	3/31/2015	882	253	1	253		5	
W15-2163	DNR	Park Rapids/Bemidji	Two Inlets	active	166.700	satellite	W15-2163	1/30/2015	3/31/2015	333	137	1	137			No winter count? Barry and Carolin saw 2 when looking for den
W15-2644/W15-2639	DNR	Park Rapids/Bemidji	Potato Lake	active	166.340 / 166.190	satellite	W15-2644_W15-2639	2/12/2015	4/6/2015	483	94	1	94		3	
F2014-12	Red Lake Tribal	Red Lake	Morrison Lk Loop	active	155.153	satellite - only VHF works	F2014-12	4/6/2014	4/25/2015	23	389	1.37	532.93		3	
M2014-14	Red Lake Tribal	Red Lake	Narrows Road	active	155.305	satellite	M2014-14	9/11/2014	3/26/2015	1387	222	1	222		5	hand drew parts of this to fully exclude Red Lake
V009	VNP	I'Falls	Ash River Trail	active	166.440	satellite	V009	4/1/2014	3/30/2015	1908	155	1	155		4	
V036	VNP	I'Falls	Cranberry Bay	active	165.769	satellite	V036	9/29/2014	3/17/2015	1559	194	1	194		4	
V027/V028	VNP	I'Falls	East Sullivan Bay	active	165.060 / 164.870	satellite / satellite - only VHF works	V027_V028	8/31/2014	3/25/2015	1459	200	1	200		8	
V007/V030	VNP	I'Falls	Mica Bay	active	167.633 / 167.200	satellite	V007_V030	4/5/2014	3/15/2015	396	121	1	121		5	
V029	VNP	I'Falls	Ray North	active	165.050	satellite	V029	7/22/2014	11/20/2015	418	62	1	62			BO- saw 1 uncollared wolf during winter, no other visuals because of dispersal and dropped collars. Was 4 collars in this pack before summer now 0
V029	VNP	Virginia	Britt	active	165.050	satellite	V029	12/16/2014	3/25/2015	371	93	1	93		3	
V024	VNP	I'Falls	Ray South	active	166.240	satellite	V024	8/2/2014	1/23/2015	540	154	1	154			BO-never got a count before dispersed
V024	VNP	Duluth	Island Lake	active	166.240	satellite	V024	2/5/2015	3/29/2015	129	187	1	187		6	
V035	VNP	I'Falls	Sand Point	active	167.300	satellite	V035	9/25/2014	3/30/2015	229	428	1	428		5	
V026	VNP	I'Falls	Sheep Ranch	active	167.100	satellite	V026	8/4/2014	3/30/2015	247	84	1	84			only got 1 count of single wolf, but sure it is a territory/pack
V020	VNP	I'Falls	Shoepack Lake	active	166.300	satellite - only VHF works	V020	4/2/2014	3/27/2015	15	45	1.37	61.65		5	
16141/16142/16145/16147	UMD	Silver Bay	Stony River	active	165.700	satellite - only VHF works	16141_42_45_47	6/30/2014	3/27/2015	2317	451	1	451		13	
16144/16146	UMD	Silver Bay	Tettagouche	missing/active	165.730 / 165.811	satellite - only VHF works	16144_46	6/14/2014	3/27/2015	867	358	1	358			
16149	UMD	Silver Bay	Seven Beaver	active	165.957	satellite	16149	8/2/2014	3/31/2015	2132	221	1	221		2	
16454	UMD	Silver Bay	Split Rock River	missing	165.720	satellite - only VHF works	16454	8/29/2014	9/23/2014	185	187	1	187			
W40/W50/W51	Ripley	Ripley	North	active	??		W40_W50_W51	5/15/2014	3/27/2015	24	42	1.37	57.54		7	
W48/W49	Ripley	Ripley	Miller Lake	active	??		W48_W49	2/27/2015	4/12/2015	39	29	1.37	39.73		5	
W46/W47	Ripley	Ripley	South	active	??		W46_W47	2/27/2015	4/3/2015	58	20	1.37	27.4		4	
7117/7234	USGS	BWCA	Omaday Lk				7117_7234	4/2/2014	3/23/2015	61	179	1.37	245.23		7	
7172/7236	USGS	BWCA	Mitawan Lk	active	217.079	satellite and VHF	7172_7236	4/2/2014	3/30/2015	992	717	1	717		7	
7174/7231	USGS	BWCA	Pike Lk				7174_7231	4/2/2014	2/25/2015	42	39	1.37	53.43		7	
7185/7229	USGS	BWCA	Jake Pine Mtn	missing	217.173	VHF and satellite	7185_7229	8/3/2014	3/23/2015	727	274	1	274		2	
7197	USGS	BWCA	McDougal Lks West				7197	5/14/2014	3/23/2015	8	130	1.37	178.1		5	
7217	USGS	BWCA	Farm Lk				7217	4/2/2014	12/18/2014	22	60	1.37	82.2		5	
7218	USGS	BWCA	Little Lk				7218	4/2/2014	3/23/2015	14	22	1.37	30.14		2	
7226	USGS	BWCA	Ensign Lk	active	217.052	satellite	7226	4/1/2014	3/31/2015	1905	394	1	394		4	chose to hand draw this one to accommodate avoidance of another pair that would have been 100% overlapped
7228	USGS	BWCA	Lake One				7228_7230	7/20/2014	11/4/2014	390	145	1	145			wolf dispersed before counts, but this appeared to be solid territory. Dispersed then joined wolf 7230 - pair's territory calculated separately below
7228/7230	USGS	BWCA	Unknown	active	217.117	satellite and VHF	7228_7230	11/3/2014	3/31/2015	649	77	1	77		2	
7235	USGS	BWCA	Garden Lk				7235	8/25/2014	3/23/2015	20	48	1.37	65.76		2	
7243	USGS	BWCA	Makwa	active	218.168	satellite	7243	10/2/2014	3/31/2015	1018	366	1	366		2	
										if<101 pts, average = 29.33333333		averages	188.77		5.05	
										if>100 pts, average = 1017.611111		min	27.4		2	
												max	717		13	
										# packs with <101 pts=	12					
										# packs with >100 pts=	36					

Loner wolf territories removed from Table

Wolf_ID(s)	Agency	Area	Pack_Name	Status	Freq	Collar Type	Telem_Folder	Date_First_Location	Date_Last_Location	#_MCP_Pts	MCP_Sq_Km	Scaling_Factor	Adjusted_Sq_Km	MCP_Sq_Mi	Min_Wolves	Max_Wolves	Comments
V021	VNP	I'Falls	NW Black Bay	active	164.731	VHF	V021	6/10/2014	3/27/2015	16	105	1	105		1	1	BO- multiple visuals of only one wolf
16148	UMD	Silver Bay	Cadotte/Bassett	active	165.916	satellite	16148	8/2/2014	3/31/2015	1263	818	1	818				
7215	USGS	BWCA	White Iron Lk				7215	4/2/2014	1/5/2015	24	88	1.37	120.56		1	1	
7241	USGS	BWCA													1		
7192	USGS	BWCA													1		
V022	VNP	I'Falls	South Black Bay	dead	164.940	VHF	V022	6/10/2014	12/17/2014	9	13	1.37	17.81				BO-Saw one uncollared wolf during winter, no other visuals before mortality
W14-2470	DNR	FDL	FDL Hqtrs	missing	166.270	satellite - only VHF works	W14-2470										no territory? Doesn't seem to have settled down after capture, dispersed to WI
16150	UMD	Silver Bay	Split Rock	active	165.834	satellite	16150	7/21/2014	3/31/2015	1915	475	1	475		1	2	pilot only had 1 count, "possibly 2"; location data suggests a wandering loner or pair, likely a part of pack 16144/16146









