

# Appendices

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The following Appendices are available online at the Wisconsin DNR website ([dnr.wi.gov](http://dnr.wi.gov)):

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# Appendix 4:

## RECREATION OPPORTUNITIES, TRENDS AND NEEDS, BY REGION

**Table 14: Existing recreation opportunities at county park properties**

Activities	REGIONS									Of the counties providing data, those that provide opportunities at their county park properties	
	Great Northwest	Northwoods	Upper Lake MI Coastal	Lake Winnebago Waters	Western Sands	Miss. River Corridor	Southern Gateways	Lower Lake MI Coastal	Number	Percent	
Bird/wildlife watching	5	9	6	10	4	3	6	5	48	100%	
Canoeing/kayaking	5	9	6	10	4	3	6	5	48	100%	
Nature photography	5	9	6	10	4	3	6	5	48	100%	
Use of picnic areas/day use areas/beach areas	5	9	6	10	4	3	6	5	48	100%	
Dog walking on trails	5	9	6	10	4	3	5	5	47	98%	
Snowshoeing	5	9	6	10	4	3	5	5	47	98%	
Fishing	5	9	6	10	4	3	5	5	47	98%	
Cross-country skiing - on ungroomed trails	5	9	6	10	4	3	4	5	46	96%	
Hiking/walking/running on trails	5	9	6	9	4	3	5	5	46	96%	
Snowmobiling	5	9	6	10	4	1	5	5	45	94%	
Gathering berries, mushrooms, etc.	5	9	4	10	4	3	5	5	45	94%	
Paddle boarding	5	9	6	10	4	2	5	4	45	94%	
Swimming in lakes/ponds/rivers	5	9	6	10	4	2	4	5	45	94%	
Motor boating (including pontoon boats)	4	9	6	10	3	2	6	3	43	90%	
Geocaching	5	7	6	9	3	3	5	4	42	88%	
Bicycling - mountain biking	5	9	6	8	2	3	3	3	39	81%	
Bicycling - recreational/rail-trail biking	4	9	5	8	1	3	4	5	39	81%	
Bicycling - winter/fat tire biking	4	7	6	7	2	3	3	4	36	75%	
Horseback riding	5	9	5	7	2	1	3	4	36	75%	
Hunting - migratory birds	5	9	4	6	4	2	2	4	36	75%	
Hunting - big game	5	9	4	5	4	2	2	4	35	73%	
Cross-country skiing - on groomed trails	5	9	6	7	1	2	2	2	34	71%	
Hunting - small game	5	9	3	5	4	2	2	4	34	71%	
Hunting - turkey	5	9	3	5	4	2	2	4	34	71%	
Camping - tent	5	9	3	4	4	2	4	3	34	71%	
Trapping	5	9	3	5	3	1	2	3	31	65%	
Camping - RV/pop-up	5	9	3	4	4	2	2	2	31	65%	
Sledding	2	6	3	7	2	2	4	3	29	60%	
Target firearm shooting at designated ranges	4	9	2	9	1	2	-	-	27	56%	
Riding ATVs or UTVs	5	9	4	2	3	-	2	1	26	54%	
Disc golf	1	5	5	6	1	1	3	3	25	52%	
Playing sports on athletic fields	1	4	5	5	1	3	3	2	24	50%	
Target archery at designated ranges	4	8	3	4	1	1	-	1	22	46%	
Visiting dog parks	1	3	3	5	4	1	1	3	21	44%	
Ice Skating	1	5	2	5	1	1	3	2	20	42%	
Riding dual-sport motorcycles	3	8	4	1	2	-	-	-	18	38%	
Driving 4WD vehicles	4	8	3	1	1	-	-	-	17	35%	
Playing sports on courts	1	3	2	5	2	1	-	2	16	33%	
Tennis	1	4	1	5	-	-	-	1	12	25%	
Visiting splash pads	1	3	1	2	3	-	-	-	10	21%	
<b>Counties in the region providing data</b>	<b>5</b>	<b>9</b>	<b>6</b>	<b>10</b>	<b>4</b>	<b>3</b>	<b>6</b>	<b>5</b>			

This table is based on responses to a questionnaire sent to all county park systems in 2018.

The values are number of responses for each region where opportunities are available.

Non-motorized trail activities
Motorized activities
Consumptive-related activities
Non-consumptive activities
Other recreation activities

**Table 15: Trends in recreation participation at county park properties**

This table is based on responses to a questionnaire sent to all county park systems in 2018.

The values are mean responses of trends in participation over the last five years *at county park properties* where opportunities are available.

Activity	REGION							STATE	
	Great Northwest	Northwoods	Upper Lake MI Coastal	Lake Winnebago Waters	Western Sands	Miss. River Corridor	Southern Gateways		Lower Lake MI Coastal
Bicycling - winter/fat tire biking	↑↑	↑↑↑	↑↑	↑↑↑	↑↑↑	↑↑↑	↑↑	↑↑↑	↑↑↑
Camping - RV/pop-up	↑↑	↑↑	↑↑↑	↑↑↑	↑↑↑	↑↑↑	↑↑↑	↑	↑↑↑
Bicycling - mountain biking	↑↑	↑↑	↑↑↑	↑↑↑	↑↑↑	↑↑↑	↑↑	↑↑↑	↑↑↑
Riding ATVs or UTVs	↑↑↑	↑↑↑	↑↑	↑↑	↑↑↑	↑↑↑	↑↑	*	↑↑↑
Canoeing/kayaking	↑	↑↑	↑↑	↑↑↑	↑↑	↑↑	↑↑↑	↑↑	↑↑
Bicycling - recreational/rail-trail biking	↑↑	↑	↑↑	↑↑↑	↑↑	↑↑	↑↑↑	↑↑	↑↑
Use of picnic areas/day use areas/beach areas	↑↑	↑	↑↑	↑↑	↑↑	↑↑	↑↑↑	↑↑	↑↑
Paddle boarding	↑↑	↑	↑↑	↑↑	↑↑	↑↑	↑↑↑	↑↑	↑↑
Dog walking on trails	↔	↑	↑↑	↑↑↑	↑↑	↑↑	↑↑↑	↑	↑↑
Hiking/walking/running on trails	↑	↑	↑↑	↑↑↑	↑↑	↑↑	↑↑↑	↑	↑↑
Fishing	↑	↔	↑↑	↑↑	↑	↑	↑↑	↑	↑↑
Motor boating (including pontoon boats)	↑	↔	↑↑	↑↑	↑	↑	↑↑	↔	↑
Snowshoeing	↔	↑↑	↑	↑	↑	↑	↑↑	↔	↑
Target firearm shooting at designated ranges	↑↑	↑	↔	↔	↑↑	↑↑	*	*	↑
Target archery at designated ranges	↑	↑	↑	↑↑	↔	↔	*	↑↑	↑
Bird/wildlife watching	↑	↔	↔	↑	↔	↔	↑↑	↑↑	↑
Nature photography	↑	↔	↔	↑↑	↔	↔	↑↑	↑	↑
Swimming in lakes/ponds/rivers	↑	↔	↑	↑↑	↔	↔	↑↑	↑	↑
Cross-country skiing - on groomed trails	↑	↑↑	↑↑	↔	↑	↑	*	↓	↑
Driving 4WD vehicles	↔	↔	↑	*	↑	↑	*	*	↔
Horseback riding	↑	↑↑	↑	↔	↑	↑	*	↓↓	↔
Gathering berries, mushrooms, etc.	↑	↔	↔	↔	↔	↔	↑↑	↔	↔
Hunting - turkey	↑	↑	↔	↔	↔	↔	↑↑	↓	↔
Camping - tent	↑	↔	↓↓	↑	↓	↓	↑↑↑	↑	↔
Hunting - small game	↔	↔	↓	↓	↔	↔	↑↑	↓	↔
Hunting - migratory birds	↔	↔	↑	↓	↔	↔	↔	↔	↔
Riding dual-sport motorcycles	↑	↑	↔	*	↓	↓	*	*	↔
Hunting - big game	↓	↓	↓	↓	↔	↔	↑↑	↓	↔
Cross-country skiing - on ungroomed trails	↔	↔	↔	↔	↔	↔	↓↓	↓↓	↓
Trapping	↔	↓	↔	↓	↔	↔	↓↓	↓↓	↓
Snowmobiling	↔	↑	↓	↓↓	↓↓	↓↓	↓↓	↓↓	↓↓

On County Park properties:	
Strong increase	↑↑↑
Moderate increase	↑↑
Slight increase	↑
About constant	↔
Slight decrease	↓
Moderate decrease	↓↓
Few or no opportunities	*

**Table 16: Top recreation needs at county park properties**

Activity	REGION								STATE average
	Great Northwest	Northwoods	Upper Lake MI Coastal	Lake Winnebago Waters	Western Sands	Mississippi River Corridor	Southern Gateways	Lower Lake MI Coastal	
Campsites	57%	67%	50%	50%	57%	100%	71%	29%	58%
Hiking/walking/running trails	43%	44%	50%	80%	57%	50%	29%	57%	53%
Bicycling trails - mountain biking	57%	56%	67%	50%	43%	50%	29%	57%	51%
Bicycling trails - recreational/rail-trail	29%	33%	50%	50%	29%	50%	57%	71%	46%
Motorized recreation trails	86%	89%	17%	50%	43%	0%	0%	14%	42%
Public shore access	29%	11%	67%	60%	43%	50%	14%	71%	42%
Dog parks	0%	0%	17%	30%	29%	75%	57%	71%	32%
Boat launches	43%	22%	33%	30%	14%	50%	14%	14%	26%
Playgrounds	29%	22%	50%	10%	43%	25%	29%	0%	25%
Hunting opportunities	0%	22%	0%	40%	57%	0%	14%	14%	21%
Picnic areas	29%	0%	17%	10%	14%	25%	29%	43%	19%
Disc golf courses	14%	11%	0%	0%	14%	25%	43%	29%	16%
Equestrian trails	14%	22%	33%	0%	14%	0%	14%	0%	12%
Shooting ranges	14%	11%	0%	10%	14%	0%	0%	0%	7%
Sports fields	0%	0%	17%	0%	0%	0%	0%	29%	5%
Sports courts	0%	11%	0%	0%	14%	0%	0%	0%	4%
Number of counties providing input	7	9	6	10	7	4	7	7	

This table is based on responses to a questionnaire sent to all county park systems in 2018.

The values are the percent of counties identifying the recreation activities as a top five need *on their properties*.

Percent of responding counties that identified the activity as being a top need on their properties	
High demand in the region	67% to 100%
Moderate demand in the region	33% to 66%
Low demand in the region	0% to 32%

**Table 17: Estimated potential change in statewide participation in selected nature-based recreation activities from 2020 to 2040**

This table combines the current participation rates for selected recreation activities by age group (as determined in the statewide survey - Appendix 6) and the projected populations in 2020 and 2040.

The table shows the estimated change in the number of people that would be participating in different activities ***if the rate of participation in 2020 and 2040 are the same as today***. This table includes the top 25 nature-based activities by their estimated growth.

Ranked by number of additional participants from 2020 to 2040		Ranked by percent change in additional participants from 2020 to 2040	
Activity	# of additional participants	Activity	Percent growth
Birding/wildlife watching at home	242,000	Birding/wildlife watching at home	8.60%
Picnicking/tailgating/cookout	231,000	Birding/wildlife watching away from home	7.70%
Visiting a nature center	209,000	Visiting a nature center	7.30%
Hiking/walking/running on trails	172,000	Nature photography	7.00%
Visiting a beach/beach walking	166,000	Gathering berries, mushrooms, etc.	6.90%
Birding/wildlife watching away from home	152,000	Picnicking/tailgating/cookout	6.30%
Nature photography	127,000	Visiting a beach/beach walking	5.30%
Fishing - any	124,000	Hiking/walking/running on trails	5.30%
Swimming in lakes/rivers/ponds	115,000	Motor boating	5.30%
Motor boating	113,000	Fishing - any	5.20%
Gathering berries, mushrooms, etc.	104,000	Hunting - any	5.20%
Bicycling on roads	92,000	Driving 4-WD vehicles on trails or routes	4.90%
Hunting - any	68,000	Target shooting	4.60%
Target shooting	64,000	Cross-country skiing	4.60%
Walking/running dogs on trails	55,000	Sailing	4.50%
Biking on rail-trails/developed trails	51,000	Swimming in lakes/rivers/ponds	4.50%
Canoeing/kayaking	51,000	Ice skating outdoors	4.20%
Ice fishing	40,000	Bicycling on roads	4.10%
RV camping	38,000	RV camping	3.90%
Waterskiing/tubing/wakeboarding	33,000	Ice fishing	3.70%
Target archery	31,000	Walking/running dogs on trails	3.60%
Tent camping	31,000	Riding ATV/UTVs on trails or routes	3.50%
Cross-country skiing	28,000	Target archery	3.40%
Ice skating outdoors	27,000	Waterskiing/tubing/wakeboarding	3.30%
Riding ATV/UTVs on trails or routes	26,000	Canoeing/kayaking	3.20%